

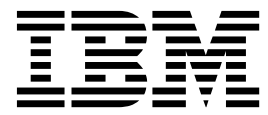
Monitoring Agent for WebSphere MQ
Version 7.3.0.11

Reference

IBM

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Note

Before using this information and the product it supports, read the information in "Notices" on page 319.

This edition applies to version 7.3.0.11 of the Monitoring Agent for WebSphere MQ and to all subsequent releases and modifications until otherwise indicated in new editions.

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Chapter 1. Monitoring Agent for WebSphere MQ

The Monitoring Agent for WebSphere MQ offers a central point of management for your IBM MQ environment or application.

The software provides a comprehensive means for gathering the information that is required to detect problems early and to prevent them. Information is standardized across the system. You can monitor multiple servers from a single console. By using the WebSphere MQ agent you can easily collect and analyze IBM MQ specific information.

Installing and configuring the agent

Install the monitoring agent on the system where the application that you want to monitor is located.

For more information, see the agent installation and configuration topics in IBM Knowledge Center:

- [IBM Cloud Application Performance Management](#)
- [IBM Cloud Application Performance Management, Private](#)

For supported operating systems, see [System Requirements](#) in the APM Developer Center.

Chapter 2. Dashboards

Open the Application Performance Dashboard in the Cloud APM console to see a status summary of all your applications. As you drill down to dashboards for specific applications and their supporting elements, more details are available about the selected item.

Use the WebSphere MQ agent dashboards to proactively monitor your IBM MQ deployment. Each dashboard page contains views with key performance indicators.

When an application that includes IBM MQ *managed resources* is selected, the navigator and the Status Overview tab show IBM MQ in the Components group:

- Click **Components** to see a single IBM MQ group widget that is displayed along with a group widget for every other data source type in the application.
- Click the IBM MQ subgroup to see a group widget for each managed resource in the application.
- Click inside a IBM MQ group widget or click a IBM MQ managed resource from the navigator Instances section to open a dashboard with KPIs from the selected managed resource.

For more information about the KPIs, click [?](#) in the view or click [?](#) in the dashboard banner.

Default dashboards

WebSphere MQ

Use the Summary dashboard to get the summary information about the current queue manager.

Channels Status Details

Use the Channels Status Details dashboard to get the status information about channels and queues.

Listeners Status Details

Use the Listeners Status Details dashboard to get the detailed information about the listeners.

MQ Errors Details

Use the MQ Errors Details dashboard to get the information about all error messages in the error log of a monitored queue manager.

MQ Summary Dashboard

Use the MQ Summary dashboard to identify high-level status of WebSphere MQ.

Queue Manager Events Details

Use the Queue Manager Events Details dashboard to get the detailed information about the queue manager events.

Queues Status Details

Use the Queues Status Details dashboard to detailed information about the queues.

Transmission Queues Details

Use the Transmission Queues Details dashboard to get the detailed information about the transmission queues.

Additional group widgets

These pop-up group widgets are displayed after you click a group widget for more details. Some group widgets have links to more granular information in a popup widget, described here.

Widgets for the Default dashboards

WebSphere MQ

Use the Summary dashboard to get the summary information about the current queue manager.

The following widgets are available in this dashboard:

Message Volume

The Message Volume widget displays a summary of transaction performance across all queue managers. For data is available in this widget, you must first enable transaction tracking for the agent on the Agent Configuration page.

The following KPIs for the widget are derived from the attributes as described:

- Failed requests: Shows the number of failed transactions for each monitoring interval in red; that is, the number of transactions that did not complete correctly, or reported an error during the monitoring interval.
- Good requests: Shows the number of good transactions for each monitoring interval in green; that is, the number of transactions that completed successfully.
- Slow requests: Shows the number of slow transactions for each monitoring interval in yellow.
- Timestamp: The time of collection of the data.

MQ Status

Provides summary information for the current queue manager.

The following KPIs for the widget are derived from the attributes as described:

- Channel initiator status: The status of the channel initiator reading. This data is derived from the Channel Initiator Status attribute in the Current Queue Manager Status data set.
- Channels not running: Channels that are not running.
- Command server status: The status of the command server. This data is derived from the Command Server Status attribute in the Current Queue Manager Status data set.
- Critical MQ errors: The identifier of the message in the error log of the queue manager. This data is derived from the Message ID attribute in the Error Log data set.
- Dead letter queue messages: The current depth of the dead letter queue. This data is derived from the DLQ Depth attribute in the Current Queue Manager Status data set.
- Indoubt channels: Channels that are in doubt.
- Listeners not running: All listeners that are stopped, being stopping, or unavailable.
- Queue manager connections: Indicates the current number of connection to the queue manager. The valid format is an integer. This data is derived from the Connection Count attribute in the Current Queue Manager Status data set.
- Queue manager events not reset: Current events on the queue manager that are not being handled.
- Queue manager hostname: The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. This data is derived from the Host Name attribute in the Current Queue Manager Status data set.
- Queue manager status: The current execution status of the queue manager. This data is derived from the MQ Manager Status attribute in the Current Queue Manager Status data set.
- Queues not being read: Queues that have messages but not opened by any application for input.

- Queues with high depth: The number of queues whose percentage of messages is higher than the specified QDEPTHHI parameter value for the queue. This data is derived from the High Depth Queue Count attribute in the Current Queue Manager Status data set.
- Server connections: The number of server connections. This data is derived from the Server Connections attribute in the Current Queue Manager Status data set.
- Services not running: Services that are not running.
- Transmission queue messages: The number of messages that are on transmission queues. This data is derived from the Total Transmission Queue Messages attribute in the Current Queue Manager Status data set.

Channels Status Details

Use the Channels Status Details dashboard to get the status information about channels and queues.

The following widgets are available in this dashboard:

Channels Status

Provides detailed information of channels status.

The following KPIs for the widget are derived from the attributes as described:

- Channel Name: Name of the channel. This data is derived from the Channel Name attribute in the Channel Status data set.
- Channel Type: Type of the channel. This data is derived from the Channel Type attribute in the Channel Status data set.
- Connection Name: Name of the connection. This is the connection name that is obtained using the MQSC DIS CHS command (see MQ documentation for further information about this command). This data is derived from the Connection Name attribute in the Channel Status data set.
- Remote Queue Manager: Name of the remote queue manager, or queue sharing group. This data is derived from the Remote Queue Manager Name attribute in the Channel Status data set.
- Start Date and Time: The date and time at which the channel is started. This data is derived from the Start Date and Time attribute in the Channel Status data set.
- Status: Status of the channel. This data is derived from the Channel Status attribute in the Channel Status data set.
- Transmission Queue: Name of the transmission queue. This data is derived from the Transmission Queue Name attribute in the Channel Status data set.

Queue Status

Provides detailed information about the transmission queues.

The following KPIs for the widget are derived from the attributes as described:

- Current Depth: Current depth of the queue. This data is derived from the Current Depth attribute in the Queue Data data set.
- Input Opens: Number of handles that are open for input. Only the handles for the queue managers sending back the information are returned, not for the whole group. This data is derived from the Input Opens attribute in the Queue Data data set.
- Output Opens: Number of handles that are open for output. Only the handles for the queue managers sending back the information are returned, not for the whole group. This data is derived from the Output Opens attribute in the Queue Data data set.
- Percent Full(%): Current depth full percentage with one decimal place. This data is derived from the Percent Full attribute in the Queue Data data set.
- Queue Name: The name of a queue that is managed by the selected queue manager. This data is derived from the Queue Name attribute in the Queue Data data set.

- Queue Type: Type of the queue. This data is derived from the Queue Type attribute in the Queue Data data set.
- Queue Usage: Usage of the queue. This data is derived from the Queue Usage attribute in the Queue Data data set.

Listeners Status Details

Use the Listeners Status Details dashboard to get the detailed information about the listeners.

The following widgets are available in this dashboard:

Listeners not Running

Provides detailed information about the listeners that are not running.

The following KPIs for the widget are derived from the attributes as described:

- Concurrent Connection Request Count: The number of concurrent connection requests that the listener supports. This data is derived from the Concurrent Connection Request Count attribute in the Listener Status data set.
- Listener Name: The name of the listener. This data is derived from the Listener Name attribute in the Listener Status data set.
- Port: The port number for TCP/IP. This is valid only when the transport type is TCP. This data is derived from the TCP Port attribute in the Listener Status data set.
- Process Identifier: The operating system process identifier that is associated with the listener. Valid format is an integer. This data is derived from the Process Identifier attribute in the Listener Status data set.
- Status: The current status of the listener. This data is derived from the Status attribute in the Listener Status data set.
- TCP IP Address: The listener IP address for the TCP protocol. If it is not defined, the listener listens on all configured IPv4 and IPv6 stacks. It is blank when not available. This data is derived from the TCP IP Address attribute in the Listener Status data set.
- Transport Type: The transmission protocol type. This data is derived from the Transport Type attribute in the Listener Status data set.

MQ Errors Details

Use the MQ Errors Details dashboard to get the information about all error messages in the error log of a monitored queue manager.

The following widgets are available in this dashboard:

MQ Errors

Provides detailed information about the errors.

The following KPIs for the widget are derived from the attributes as described:

- Installation Name: The name of the installation of the queue manager on which the error occurred. This data is derived from the Installation Name attribute in the Error Log data set.
- Involved Object: The name of the object that is associated with the reported message, if found in the message. The agent first scans the Message Text field and extracts text from between the first pair of single quotation marks that are found. If none are found, the monitoring agent next scans the Explanation field in the same way. If no text enclosed in single quotation marks is found, the Involved Object field is blank. This data is derived from the Involved Object attribute in the Error Log data set.
- Log Time: The date and time of the sample. This data is derived from the Log Date and Time attribute in the Error Log data set.
- Message ID: The identifier of the message in the error log of the queue manager. This data is derived from the Message ID attribute in the Error Log data set.
- Message Text: The text of the message in the error log of the queue manager. This data is derived from the Message Text U attribute in the Error Log data set.

- Program Name: The name of the program that encounter the error. This data is derived from the Program Name attribute in the Error Log data set.
- User Name: The name of the user ID that runs the program of errors. This data is derived from the User Name attribute in the Error Log data set.

MQ Summary Dashboard

Use the MQ Summary dashboard to identify high-level status of WebSphere MQ.

The following widgets are available in this dashboard:

Channels not Running - Latest 5

Provides a list of the latest five channel connections that are not running. The list is sorted in descending order of channel start date and time.

The following KPIs for the widget are derived from the attributes as described:

- Channel Name: Name of the channel. This data is derived from the Channel Name attribute in the Channel Status data set.
- Connection Name: Name of the connection. This is the connection name that is obtained using the MQSC DIS CHS command (see MQ documentation for further information about this command). This data is derived from the Connection Name attribute in the Channel Status data set.
- Status: Status of the channel. This data is derived from the Channel Status attribute in the Channel Status data set.

Critical MQ Errors - Latest 10

Provides a list of the latest ten critical errors with the message ID of AMQ9448, AMQ9409, AMQ9874, AMQ5008, and AMQ5053 by the log time.

The following KPIs for the widget are derived from the attributes as described:

- Log Time: The date and time of the sample. This data is derived from the Log Date and Time attribute in the Error Log data set.
- Message ID: The identifier of the message in the error log of the queue manager. This data is derived from the Message ID attribute in the Error Log data set.
- Message Text: The text of the message in the error log of the queue manager. This data is derived from the Message Text U attribute in the Error Log data set.

Indoubt Channels - Latest 5

Provides a summary of the latest five indoubt channel connections.

The following KPIs for the widget are derived from the attributes as described:

- Channel Name: Name of the channel. This data is derived from the Channel Name attribute in the Channel Status data set.
- Connection Name: Name of the connection. This is the connection name that is obtained using the MQSC DIS CHS command (see MQ documentation for further information about this command). This data is derived from the Connection Name attribute in the Channel Status data set.
- Status: Status of the channel. This data is derived from the Channel Status attribute in the Channel Status data set.

Listeners not Running - Latest 5

Displays the latest five listeners that are not running.

The following KPIs for the widget are derived from the attributes as described:

- Listener Name: The name of the listener. This data is derived from the Listener Name attribute in the Listener Status data set.
- Port: The port number for TCP/IP. This is valid only when the transport type is TCP. This data is derived from the TCP Port attribute in the Listener Status data set.

- **Status:** The current status of the listener. This data is derived from the Status attribute in the Listener Status data set.

MQ Service Status

Provides detailed information of the MQ services, including the attributes and status of existing MQ services.

The following KPIs for the widget are derived from the attributes as described:

- **Process Id:** The operating system process identifier associated with the service. This data is derived from the Process Id attribute in the Service Status data set.
- **Service Name:** The name of the service. This data is derived from the Service Name attribute in the Service Status data set.
- **Start Arguments:** The arguments to be passed to the user program at queue manager startup. This data is derived from the Start Arguments attribute in the Service Status data set.
- **Start Command:** The name of the program which is to run. This data is derived from the Start Command attribute in the Service Status data set.
- **Start Mode:** Specifies how the service is to be started and stopped. This data is derived from the Start Mode attribute in the Service Status data set.
- **Start Time:** The date and time when the service was started. This data is derived from the Start Date and Time attribute in the Service Status data set.
- **Status:** The current status of the process. This data is derived from the Status attribute in the Service Status data set.
- **Stderr:** The path to a file to which the standard error (stderr) of the service program is to be redirected. This data is derived from the Stderr Destination attribute in the Service Status data set.
- **Stdout:** The path to the file to which the standard output (stdout) of the service program is to be redirected. This data is derived from the Stdout Destination attribute in the Service Status data set.
- **Stop Arguments:** The arguments to be passed to the stop program when the service is requested to stop. This data is derived from the Stop Arguments attribute in the Service Status data set.
- **Stop Command:** The name of the program that is to run when the service is requested to stop. This data is derived from the Stop Command attribute in the Service Status data set.
- **Type:** The mode in which the service is to run. This data is derived from the Service Type attribute in the Service Status data set.

Queue in Use not being Read - Top 5

Provides a list of top five queues that have messages and are connected by one or more applications to put messages on the queue, but are not being read by any application.

The following KPIs for the widget are derived from the attributes as described:

- **Current Depth:** The number of messages that are currently on the queue; this includes both committed and uncommitted messages. This data is derived from the Current Depth attribute in the Queue Status data set.
- **Last Get Date and Time:** The date and time that the last message is destructively read from the queue. This data is derived from the Last Get Date and Time attribute in the Queue Status data set.
- **Queue Name:** The name of a queue that is managed by the selected queue manager. This attribute is required to be given in queries to this attribute group. The valid format is an alphanumeric string of up to 48 case-sensitive characters. This data is derived from the Queue Name attribute in the Queue Status data set.

Queue Manager Events - Latest 5

Provides a list of the latest five queue manager events.

The following KPIs for the widget are derived from the attributes as described:

- **Event Name:** The description of the outstanding MQ event (for example, Channel_Stopped). This data is derived from the Event attribute in the Current Events data set.
- **Event Time:** The time and date that the event is posted to the MQ event queue. This data is derived from the Event Date and Time attribute in the Current Events data set.

Queues by Percent Full(%) - Top 5

Provides a list of the top five queues by the current queue depth full percentage.

The following KPIs for the widget are derived from the attributes as described:

- **Current Depth:** Current depth of the queue. This data is derived from the Current Depth attribute in the Queue Data data set.
- **Percent Full(%):** Current depth full percentage with one decimal place. This data is derived from the Percent Full attribute in the Queue Data data set.
- **Queue Name:** The name of a queue that is managed by the selected queue manager. This data is derived from the Queue Name attribute in the Queue Data data set.

Transmission Queues - Top 10 By Depth

Provides a list of the top ten transmission queues with the highest queue depth.

The following KPIs for the widget are derived from the attributes as described:

- **Current Depth:** Current depth of the queue. This data is derived from the Current Depth attribute in the Queue Data data set.
- **Queue Name:** The name of a queue that is managed by the selected queue manager. This data is derived from the Queue Name attribute in the Queue Data data set.

Queue Manager Events Details

Use the Queue Manager Events Details dashboard to get the detailed information about the queue manager events.

The following widgets are available in this dashboard:

Queue Manager Events

Provides detailed information of the queue manager events that are not reset.

With the default queue manager configuration, several types of events are not monitored and displayed in the Queue Manager Events widget. You must first enable the queue manager to emit the related events, so that these events can be displayed in this widget.

The following types of events are not monitored and displayed with the default queue manager configuration. To enable the queue manager to emit the events, you must have the required authorities to run the corresponding ALTER QMGR commands.

- **Channel Events:** ALTER QMGR CHLEV(ENABLED)
- **Performance events:** ALTER QMGR PERFMEV(ENABLED)

You do not need to restart the queue manager or the agent for the changes to take effect.

The following KPIs for the widget are derived from the attributes as described:

- **Application Identifier:** The application identifier that is associated with the event or message. This data is derived from the Application Identifier attribute in the Current Events data set.
- **Application Type:** The application type that is associated with the event or message. The valid format is an integer. This data is derived from the Application Type attribute in the Current Events data set.

- **Event Name:** The description of the outstanding MQ event (for example, Channel_Stopped). This data is derived from the Event attribute in the Current Events data set.
- **Event Qualifier:** The condition that generates the event. This data is derived from the Event Qualifier attribute in the Current Events data set.
- **Event Time:** The time and date that the event is posted to the MQ event queue. This data is derived from the Event Date and Time attribute in the Current Events data set.
- **Resource Name:** The name of the MQ resource (channel or queue) on which the event occurs. The valid format is an alphanumeric string of up to 48 case-sensitive characters. This data is derived from the Resource Name attribute in the Current Events data set.

Queues Status Details

Use the Queues Status Details dashboard to detailed information about the queues.

The following widgets are available in this dashboard:

Messages for Queue

Displays the number of message put and the number of message read for the queue.

Note: If there are no put and get operations on the queue during the selected time span, no data is available in this widget.

The following KPIs for the widget are derived from the attributes as described:

- **Messages Put:** The number of messages that are put to the queue during the sampling interval. This data is derived from the Messages Put attribute in the Queue Statistics data set.
- **Messages Read:** The number of messages that are read and removed from the queue during the sampling interval. This data is derived from the Messages Read attribute in the Queue Statistics data set.
- **Time:** The time when the data is collected.

Messages Rate for Queue

Displays the rate per second of message put and message read for the queue.

Note: If there are no put and get operations on the queue during the selected time span, no data is available in this widget.

The following KPIs for the widget are derived from the attributes as described:

- **Messages Put per Second:** The rate per second of messages that are put to the queue. This data is derived from the Messages Put per Second attribute in the Queue Statistics data set.
- **Messages Read per Second:** The rate per second of messages that are read from the queue. This data is derived from the Messages Read per Second attribute in the Queue Statistics data set.
- **Time:** The time when the data is collected.

Oldest Message Age for Queue

Displays the oldest message age in seconds on the queue.

The following KPIs for the widget are derived from the attributes as described:

- **Oldest Message Age:** Age, in seconds, of the oldest message on the queue. The maximum displayable value is 999,999,999; if the age exceeds this value, 999,999,999 is displayed. This data is derived from the Oldest Message Age attribute in the Queue Status data set.
- **Time:** The time when the data is collected.

Queue Status

Provides detailed information of the queues status.

The following KPIs for the widget are derived from the attributes as described:

- **Current Depth:** Current depth of the queue. This data is derived from the Current Depth attribute in the Queue Data data set.
- **Input Opens:** Number of handles that are open for input. Only the handles for the queue managers sending back the information are returned, not for the whole group. This data is derived from the Input Opens attribute in the Queue Data data set.
- **Output Opens:** Number of handles that are open for output. Only the handles for the queue managers sending back the information are returned, not for the whole group. This data is derived from the Output Opens attribute in the Queue Data data set.
- **Percent Full(%):** Current depth full percentage with one decimal place. This data is derived from the Percent Full attribute in the Queue Data data set.
- **Queue Name:** The name of a queue that is managed by the selected queue manager. This data is derived from the Queue Name attribute in the Queue Data data set.
- **Queue Type:** Type of the queue. This data is derived from the Queue Type attribute in the Queue Data data set.
- **Queue Usage:** Usage of the queue. This data is derived from the Queue Usage attribute in the Queue Data data set.

Transmission Queues Details

Use the Transmission Queues Details dashboard to get the detailed information about the transmission queues.

The following widgets are available in this dashboard:

Channels Status

Provides detailed information of channels status.

The following KPIs for the widget are derived from the attributes as described:

- **Channel Name:** Name of the channel. This data is derived from the Channel Name attribute in the Channel Status data set.
- **Channel Type:** Type of the channel. This data is derived from the Channel Type attribute in the Channel Status data set.
- **Connection Name:** Name of the connection. This is the connection name that is obtained using the MQSC DIS CHS command (see MQ documentation for further information about this command). This data is derived from the Connection Name attribute in the Channel Status data set.
- **Remote Queue Manager:** Name of the remote queue manager, or queue sharing group. This data is derived from the Remote Queue Manager Name attribute in the Channel Status data set.
- **Start Date and Time:** The date and time at which the channel is started. This data is derived from the Start Date and Time attribute in the Channel Status data set.
- **Status:** Status of the channel. This data is derived from the Channel Status attribute in the Channel Status data set.
- **Transmission Queue:** Name of the transmission queue. This data is derived from the Transmission Queue Name attribute in the Channel Status data set.

Queue Status

Provides detailed information about the transmission queues.

The following KPIs for the widget are derived from the attributes as described:

- **Current Depth:** Current depth of the queue. This data is derived from the Current Depth attribute in the Queue Data data set.
- **Input Opens:** Number of handles that are open for input. Only the handles for the queue managers sending back the information are returned, not for the whole group. This data is derived from the Input Opens attribute in the Queue Data data set.

- **Output Opens:** Number of handles that are open for output. Only the handles for the queue managers sending back the information are returned, not for the whole group. This data is derived from the Output Opens attribute in the Queue Data data set.
- **Percent Full(%):** Current depth full percentage with one decimal place. This data is derived from the Percent Full attribute in the Queue Data data set.
- **Queue Name:** The name of a queue that is managed by the selected queue manager. This data is derived from the Queue Name attribute in the Queue Data data set.
- **Queue Type:** Type of the queue. This data is derived from the Queue Type attribute in the Queue Data data set.
- **Queue Usage:** Usage of the queue. This data is derived from the Queue Usage attribute in the Queue Data data set.

Additional group widgets

These pop-up group widgets are displayed after you click a group widget for more details. Some group widgets have links to more granular information in a popup widget, described here.

The following widgets are available in this dashboard:

Critical MQ Errors - Latest 5

Provides detailed information on the critical error.

The following KPIs for the widget are derived from the attributes as described:

- **Log Time:** The date and time of the sample. This data is derived from the Log Date and Time attribute in the Error Log data set.
- **Message ID:** The identifier of the message in the error log of the queue manager. This data is derived from the Message ID attribute in the Error Log data set.
- **Message Text:** The text of the message in the error log of the queue manager. This data is derived from the Message Text U attribute in the Error Log data set.

Indoubt Channel Connections - Latest 5

Provides detailed information on the channel status.

The following KPIs for the widget are derived from the attributes as described:

- **Channel Name:** Name of the channel. This data is derived from the Channel Name attribute in the Channel Status data set.
- **Connection Name:** Name of the connection. This is the connection name that is obtained using the MQSC DIS CHS command (see MQ documentation for further information about this command). This data is derived from the Connection Name attribute in the Channel Status data set.
- **Start Date and Time:** Date and time at which the last message is sent or MQI call is handled. Standard 16-character date/time format (CYYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. This data is derived from the Last Message Date and Time attribute in the Channel Status data set.
- **Status:** Status of the channel. This data is derived from the Channel Status attribute in the Channel Status data set.

MQ Cluster Channel Status

Provides the cluster channel information, including channel status and channel type.

The following KPIs for the widget are derived from the attributes as described:

- **Channel Name:** Name of the channel. This data is derived from the Channel Name attribute in the Channel Status data set.
- **Channel Status:** Status of the channel. This data is derived from the Channel Status attribute in the Channel Status data set.

- Channel Type: Type of the channel. This data is derived from the Channel Type attribute in the Channel Status data set.
- Connection Name: Name of the connection. This is the connection name that is obtained using the MQSC DIS CHS command (see MQ documentation for further information about this command). This data is derived from the Connection Name attribute in the Channel Status data set.
- Server: The managed system name of the agent. This data is derived from the Node attribute in the Channel Status data set.

MQ Cluster List

Provides the detailed status information of each queue manager in a WebSphere MQ cluster.

The following KPIs for the widget are derived from the attributes as described:

- Channel Initiator Status: The status of the channel initiator reading. This data is derived from the Channel Initiator Status attribute in the Current Queue Manager Status data set.
- Command Server Status: The status of the command server. This data is derived from the Command Server Status attribute in the Current Queue Manager Status data set.
- Server: The managed system name of the agent. This data is derived from the Node attribute in the Current Queue Manager Status data set.
- Status: The current execution status of the queue manager. This data is derived from the MQ Manager Status attribute in the Current Queue Manager Status data set.

MQ Cluster Queue Manager Status

Provides the status information of the cluster queue manager.

The following KPIs for the widget are derived from the attributes as described:

- Channel Name: The name of this channel. This data is derived from the Channel Name attribute in the Channel Data data set.
- Cluster Name: The name of the cluster that the channel belongs to. This data is derived from the Cluster attribute in the Channel Data data set.
- Queue Manager Name: The name of the cluster queue manager. This data is derived from the Cluster Queue Manager attribute in the Channel Data data set.
- Queue Manager Type: The function of the associated queue manager in the cluster. This data is derived from the Cluster Queue Manager Type attribute in the Channel Data data set.
- Suspend: Is the cluster queue manager suspended.

MQ Cluster Status

Provides the status information of the cluster queue manager.

The following KPIs for the widget are derived from the attributes as described:

- Channels in Running: Count of the channels in cluster queue manager that are running.
- Channels not Running: Count of the channels in cluster queue manager that are not running.
- Critical queue manager: The current execution status of the queue manager. This data is derived from the MQ Manager Status attribute in the Current Queue Manager Status data set.
- Normal queue manager: The current execution status of the queue manager. This data is derived from the MQ Manager Status attribute in the Current Queue Manager Status data set.
- NOSUSPEND queue manager: Count of the cluster queue managers that are not suspended.

- SUSPEND queue manager: Count of the cluster queue managers that are suspended.
- Transmission queue with messages: Count of the cluster channels that have messages in the transmission queue.
- Transmission queue with no messages: Count of the cluster channels that do not have messages in the transmission queue.
- Warning queue manager: The current execution status of the queue manager. This data is derived from the MQ Manager Status attribute in the Current Queue Manager Status data set.

MQ Instances

Provides an instance list in a WebSphere MQ cluster.

The following KPIs for the widget are derived from the attributes as described:

- Server: The managed system name of the agent. This data is derived from the Node attribute in the Current Queue Manager Status data set.
- Status: The current execution status of the queue manager. This data is derived from the MQ Manager Status attribute in the Current Queue Manager Status data set.

MQ Queue Properties

Displays information about the selected queue in the transaction topology. The data is collected by the agent in real-time when the query is issued, and reflects the most recent data values.

The following KPIs for the widget are derived from the attributes as described:

- Current Queue Depth: Current depth of the queue. This data is derived from the Current Depth attribute in the Queue Data data set.
- Host Name: The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. This data is derived from the Host Name attribute in the Queue Data data set.
- Oldest Message Age: Age, in seconds, of the oldest message on the queue. The maximum displayable value is 999,999,999; if the age exceeds this value, 999,999,999 is displayed. This data is derived from the Oldest Message Age attribute in the Queue Status data set.
- Percent Full: Current depth full percentage with one decimal place. This data is derived from the Percent Full attribute in the Queue Data data set.
- Queue Manager: The name that is assigned to this queue manager. This data is derived from the MQ Manager Name attribute in the Queue Data data set.
- Queue Name: The name of a queue that is managed by the selected queue manager. This data is derived from the Queue Name attribute in the Queue Data data set.

Queue Manager Event not Reset - Latest 5

Provides detailed information on the queue manager event.

The following KPIs for the widget are derived from the attributes as described:

- Event Name: The description of the outstanding MQ event (for example, Channel_Stopped). This data is derived from the Event attribute in the Current Events data set.
- Event Time: The time and date that the event is posted to the MQ event queue. This data is derived from the Event Date and Time attribute in the Current Events data set.
- Host Name: The name of the host system on which this event occurred (which is not necessarily the host system reporting the event). This data is derived from the Event Host Name attribute in the Current Events data set.
- MQ Manager Name: The name of the queue manager on which this event occurs. This data is derived from the Event MQ Manager Name attribute in the Current Events data set.

- **Resource Name:** The name of the MQ resource (channel or queue) on which the event occurs. The valid format is an alphanumeric string of up to 48 case-sensitive characters. This data is derived from the Resource Name attribute in the Current Events data set.

Queue Manager Status

Provides the status information of the queue manager.

The following KPIs for the widget are derived from the attributes as described:

- **Channel Initiator Status:** The status of the channel initiator reading. This data is derived from the Channel Initiator Status attribute in the Current Queue Manager Status data set.
- **Command Server Status:** The status of the command server. This data is derived from the Command Server Status attribute in the Current Queue Manager Status data set.
- **Queue Manager Status:** The current execution status of the queue manager. This data is derived from the MQ Manager Status attribute in the Current Queue Manager Status data set.

Queues with Oldest Message Age - Top 5

Provides a list of the top five queues by the oldest message age.

The following KPIs for the widget are derived from the attributes as described:

- **Age of Oldest Message in Seconds:** Age, in seconds, of the oldest message on the queue. The maximum displayable value is 999,999,999; if the age exceeds this value, 999,999,999 is displayed. This data is derived from the Oldest Message Age attribute in the Queue Status data set.
- **Queue Name:** The name of a queue that is managed by the selected queue manager. This attribute is required to be given in queries to this attribute group. The valid format is an alphanumeric string of up to 48 case-sensitive characters. This data is derived from the Queue Name attribute in the Queue Status data set.

Transmission Queue Messages Available

Provides a list of available transmission queue messages in a cluster.

The following KPIs for the widget are derived from the attributes as described:

- **Channel Name:** Name of the channel. This data is derived from the Channel Name attribute in the Channel Status data set.
- **Channel Status:** Status of the channel. This data is derived from the Channel Status attribute in the Channel Status data set.
- **Connection Name:** Name of the connection. This is the connection name that is obtained using the MQSC DIS CHS command (see MQ documentation for further information about this command). This data is derived from the Connection Name attribute in the Channel Status data set.
- **Server:** The managed system name of the agent. This data is derived from the Node attribute in the Channel Status data set.
- **Transmission Queue Messages Available:** Number of messages on the transmission queue that are available to the channel for the MQGET call. This data is derived from the Transmission Queue Messages Available attribute in the Channel Status data set.

Custom views


After you select an application that includes a IBM MQ managed resource, the **Custom Views** tab is available for displaying and building custom dashboard pages with attribute values from the WebSphere MQ agent. You can quickly build monitoring pages for an application and save them for viewing.

Only a subset of WebSphere MQ agent attributes, which are the most useful for reporting, are available for custom views. These attributes are shown in *italics* in Chapter 4, "Attributes," on page 25.

Chapter 3. Thresholds

Thresholds test for certain conditions on your managed resources, such as memory usage over 95%, and raise an event when the conditions have been met.

The agent comes with predefined thresholds that you can use to monitor your IBM MQ environment. You can create additional thresholds for the areas of interest.

After you click  **System Configuration** > **Threshold Manager**, select **WebSphere MQ** as the data source type to see all the available thresholds.

Predefined thresholds

The thresholds are organized in the Cloud APM console Threshold Manager by the data set for which they were written. The WebSphere MQ agent has the following predefined thresholds:

MQ_Channels_Indoubt

This situation monitors the number of monitored channel connections that are currently in doubt for the queue manager. It issues a warning alert when at least one channel is in doubt.

The default configuration has the following SQL syntax:

```
*IF *VALUE Current_Queue_Manager_Status.In_Doubt_Channel_Connections *GT 0 *AND *VALUE Current_Queue_Manager_Status.MQ_Manager_Status *EQ Running
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is WARNING.

The threshold is evaluated for each distinct value of the MQ_Manager_Name attribute.

This threshold uses the following attributes:

Current_Queue_Manager_Status.In_Doubt_Channel_Connections[URSTAT.CH_TDOUBT] (not visible in the UI), Current_Queue_Manager_Status.MQ_Manager_Status[URSTAT.QMSTATUS], Current_Queue_Manager_Status.MQ_Manager_Name[URSTAT.QMNAME].

MQ_Channel_Active_High

This situation monitors the number of active channel connections as percentage of the maximum number of active channels. It issues a warning alert when the percentage is greater than 80%.

The default configuration has the following SQL syntax:

```
*IF *VALUE Current_Queue_Manager_Status.Percent_Maximum_Active_Channels *GT 80
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is WARNING.

The threshold is evaluated for each distinct value of the MQ_Manager_Name attribute.

This threshold uses the following attributes:

Current_Queue_Manager_Status.Percent_Maximum_Active_Channels[URSTAT.ACTCHLSPCT] (not visible in the UI), Current_Queue_Manager_Status.MQ_Manager_Name[URSTAT.QMNAME].

MQ_Channel_Current_High

This situation monitors the the number of current channel connections as a percentage of the maximum number of current channels. It issues a warning alert when the percentage is greater than 80%.

The default configuration has the following SQL syntax:

*IF *VALUE Current_Queue_Manager_Status.Percent_Maximum_Channels *GT 80

This threshold is evaluated every 5 minutes.

The severity of this threshold is WARNING.

The threshold is evaluated for each distinct value of the MQ_Manager_Name attribute.

This threshold uses the following attributes:

Current_Queue_Manager_Status.Percent_Maximum_Channels[URSTAT.CURCHLSPCT] (not visible in the UI), Current_Queue_Manager_Status.MQ_Manager_Name[URSTAT.QMNAME].

MQ_Channel_Initiator_Crit

This situation monitors the status of the channel initiator reading. It issues a critical alert when the channel initiator server status is Stopped, Stopping, or Retrying.

The default configuration has the following SQL syntax:

```
*IF *VALUE Current_Queue_Manager_Status.Channel_Initiator_Status *EQ Retrying *OR *VALUE  
Current_Queue_Manager_Status.Channel_Initiator_Status *EQ Stopped *OR *VALUE  
Current_Queue_Manager_Status.Channel_Initiator_Status *EQ Stopping
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is CRITICAL.

The threshold is evaluated for each distinct value of the MQ_Manager_Name attribute.

This threshold uses the following attributes:

Current_Queue_Manager_Status.Channel_Initiator_Status[URSTAT.CHINIT],
Current_Queue_Manager_Status.MQ_Manager_Name[URSTAT.QMNAME].

MQ_Channel_Not_Running

This situation monitors the channel status and issues a critical alert when the channel is not running.

The default configuration has the following SQL syntax:

```
*IF *VALUE Channel_Status.Channel_Status *NE 3
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is WARNING.

The threshold is evaluated for each distinct value of the Channel_Name attribute.

This threshold uses the following attributes: Channel_Status.Channel_Status[HAN_ST.STATUS],
Channel_Status.Channel_Name[HAN_ST.CHNAME].

MQ_Channel_Out_Of_Sync

This situation monitors the error messages in the log and issues a warning alert when a channel is out of sync.

The default configuration has the following SQL syntax:

```
*IF *VALUE Error_Log.Message_ID *EQ AMQ9526
```

This threshold is evaluated every .

The severity of this threshold is WARNING.

The threshold is evaluated for each distinct value of the Message_ID attribute.

This threshold uses the following attributes: Error_Log.Message_ID[RRLOG.MSG_ID].

MQ_Channel_Stopped

This situation monitors the Channel_Stopped event and issues a critical alert when a channel stopped because of errors.

The default configuration has the following SQL syntax:

```
*IF *VALUE Current_Events.Event *EQ Channel_Stopped *AND *VALUE  
Current_Events.Event_Qualifier *NE Channel_Stopped_OK
```

This threshold is evaluated every 2 minutes.

The severity of this threshold is CRITICAL.

The threshold is evaluated for each distinct value of the Resource_Name attribute.

This threshold uses the following attributes: Current_Events.Event[VENTC.EVENT_NAME],
Current_Events.Event_Qualifier[VENTC.EVENT_QUAL],
Current_Events.Resource_Name[VENTC.EV_RESRC].

MQ_Cluster_QMgr_Suspended

This situation monitors the cluster queue manager and issues a warning alert when a cluster queue manager is suspended.

The default configuration has the following SQL syntax:

```
*IF *VALUE Channel_Data.Cluster_Qmgr_Suspend *EQ Yes
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is WARNING.

The threshold is evaluated for each distinct value of the Channel_Name attribute.

This threshold uses the following attributes:
Channel_Data.Cluster_Qmgr_Suspend[H_DATA.SUSPEND],
Channel_Data.Channel_Name[H_DATA.CHNAME].

MQ_Command_Server_Crit

This situation monitors the status of the command server and issues a critical alert when the command server status is Stopped, Stopping, or Retrying.

The default configuration has the following SQL syntax:

```
*IF *VALUE Current_Queue_Manager_Status.Command_Server_Status *EQ Stopped *OR *VALUE  
Current_Queue_Manager_Status.Command_Server_Status *EQ Stopping *OR *VALUE  
Current_Queue_Manager_Status.Command_Server_Status *EQ Retrying
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is CRITICAL.

The threshold is evaluated for each distinct value of the MQ_Manager_Name attribute.

This threshold uses the following attributes:
Current_Queue_Manager_Status.Command_Server_Status[URSTAT.CMDSERV],
Current_Queue_Manager_Status.MQ_Manager_Name[URSTAT.QMNAME].

MQ_Critical_MQ_Errors

This situation monitors the error messages in the log and issues a critical alert when critical WebSphere MQ errors are detected.

The default configuration has the following SQL syntax:

```
*IF *VALUE Error_Log.Message_ID *EQ AMQ9448 *OR *VALUE Error_Log.Message_ID *EQ AMQ9409  
*OR *VALUE Error_Log.Message_ID *EQ AMQ9874 *OR *VALUE Error_Log.Message_ID *EQ AMQ5008  
*OR *VALUE Error_Log.Message_ID *EQ AMQ5053
```

This threshold is evaluated every .

The severity of this threshold is CRITICAL.

The threshold is evaluated for each distinct value of the Message_ID attribute.

This threshold uses the following attributes: Error_Log.Message_ID[RRLOG.MSG_ID].

MQ_Dead_Letter

This situation monitors the number of messages that are currently stored in the dead-letter queue (DLQ) of the queue manager. It issues a warning alert when the dead letter queue is not empty.

The default configuration has the following SQL syntax:

```
*IF *VALUE Current_Queue_Manager_Status.DLQ_Depth *GT 0 *AND *VALUE  
Current_Queue_Manager_Status.MQ_Manager_Status *EQ Running
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is WARNING.

The threshold is evaluated for each distinct value of the MQ_Manager_Name attribute.

This threshold uses the following attributes:

```
Current_Queue_Manager_Status.DLQ_Depth[URSTAT.DLQDEPTH],  
Current_Queue_Manager_Status.MQ_Manager_Status[URSTAT.QMSTATUS],  
Current_Queue_Manager_Status.MQ_Manager_Name[URSTAT.QMNAME].
```

MQ_Listener_Not_Running

This situation monitors the listener status and issues a warning alert when the listener is not running.

The default configuration has the following SQL syntax:

```
*IF *VALUE Listener_Status.Status *NE 1 *AND *VALUE Listener_Status.Status *NE 2 *AND  
*VALUE Listener_Status.TCP_Port *GT 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is WARNING.

The threshold is evaluated for each distinct value of the Listener_Name attribute.

This threshold uses the following attributes: Listener_Status.Status[SSTATUS.STATUS],
Listener_Status.TCP_Port[SSTATUS.PORT], Listener_Status.Listener_Name[SSTATUS.LSNAME].

MQ_Old_Message_On_Queue

This situation monitors the age of the oldest message on the queue. It issues a warning alert when the age is greater than 60 seconds.

The default configuration has the following SQL syntax:

```
*IF *VALUE Queue_Status.Oldest_Message_Age *GT 60 *AND *REGEX Queue_Status.Queue_Name  
*NE "SYSTEM.*"
```

This threshold is evaluated every 15 minutes.

The severity of this threshold is WARNING.

The threshold is evaluated for each distinct value of the Queue_Name attribute.

This threshold uses the following attributes:

```
Queue_Status.Oldest_Message_Age[_QU_ST.MSGAGE],  
Queue_Status.Queue_Name[_QU_ST.QNAME].
```

MQ_PubSub_Problem

This situation monitors the status of the publish-subscribe engine and issues a critical alert when the status is Inactive or Error.

The default configuration has the following SQL syntax:

```
*IF *VALUE Publish_Subscribe_Status.Publish_Subscribe_Status *EQ Inactive *OR *VALUE  
Publish_Subscribe_Status.Publish_Subscribe_Status *EQ Error
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is CRITICAL.

The threshold is evaluated for each distinct value of the MQ_Manager_Name attribute.

This threshold uses the following attributes:

Publish_Subscribe_Status.Publish_Subscribe_Status[UBSUB.PSSTATUS] (not visible in the UI),

Publish_Subscribe_Status.MQ_Manager_Name[UBSUB.QMNAME] (not visible in the UI).

MQ_Queue_Depth_High

This situation monitors the Queue_Depth_High event and issues a warning alert when a queue exceeds its high depth threshold.

The default configuration has the following SQL syntax:

```
*IF *VALUE Current_Events.Event *EQ Queue_Depth_High
```

This threshold is evaluated every 2 minutes.

The severity of this threshold is WARNING.

The threshold is evaluated for each distinct value of the Resource_Name attribute.

This threshold uses the following attributes: Current_Events.Event[VENTC.EVENT_NAME],

Current_Events.Resource_Name[VENTC.EV_RESRC].

MQ_Queue_Full

This situation monitors the Queue_Full event and issues a critical alert when a queue is full.

The default configuration has the following SQL syntax:

```
*IF *VALUE Current_Events.Event *EQ Queue_Full
```

This threshold is evaluated every 2 minutes.

The severity of this threshold is CRITICAL.

The threshold is evaluated for each distinct value of the Resource_Name attribute.

This threshold uses the following attributes: Current_Events.Event[VENTC.EVENT_NAME],

Current_Events.Resource_Name[VENTC.EV_RESRC].

MQ_Queue_Manager_Crit

This situation monitors the current execution status of the queue manager, and issues a critical alert when the queue manager status is Stopped, Stopping, or Quiescing.

The default configuration has the following SQL syntax:

```
*IF *VALUE Current_Queue_Manager_Status.MQ_Manager_Status *EQ Stopped *OR *VALUE  
Current_Queue_Manager_Status.MQ_Manager_Status *EQ Quiescing *OR *VALUE  
Current_Queue_Manager_Status.MQ_Manager_Status *EQ Stopping
```

This threshold is evaluated every 1 minute.

The severity of this threshold is CRITICAL.

The threshold is evaluated for each distinct value of the MQ_Manager_Name attribute.

This threshold uses the following attributes:

Current_Queue_Manager_Status.MQ_Manager_Status[URSTAT.QMSTATUS],

Current_Queue_Manager_Status.MQ_Manager_Name[URSTAT.QMNAME].

MQ_Queue_Not_Being_Read

This situation monitors the number of messages that are currently on the queue and the number of handles that are currently open for input. It issues a warning alert when the queue is not being read.

The default configuration has the following SQL syntax:

```
*IF *VALUE Queue_Status.Current_Depth *GT 0 *AND *VALUE Queue_Status.Input_Opens *LT 1
*AND *VALUE Queue_Status.Output_Opens *GT 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is WARNING.

The threshold is evaluated for each distinct value of the Queue_Name attribute.

This threshold uses the following attributes: Queue_Status.Current_Depth[_QU_ST.CURDEPTH], Queue_Status.Input_Opens[_QU_ST.NINPUT], Queue_Status.Output_Opens[_QU_ST.NOUTPUT], Queue_Status.Queue_Name[_QU_ST.QNAME].

MQ_Queue_Service_Int_High

This situation monitors the Queue_Service_Interval_High event and issues a warning alert when a queue service time reaches the high threshold.

The default configuration has the following SQL syntax:

```
*IF *VALUE Current_Events.Event *EQ Queue_Service_Interval_High
```

This threshold is evaluated every 2 minutes.

The severity of this threshold is WARNING.

The threshold is evaluated for each distinct value of the Resource_Name attribute.

This threshold uses the following attributes: Current_Events.Event[VENTC.EVENT_NAME], Current_Events.Resource_Name[VENTC.EV_RESRC].

MQ_Transmission_Queue_Crit

This situation monitors the number of messages on transmission queues and issues a critical alert when the number exceeds 20.

The default configuration has the following SQL syntax:

```
*IF *VALUE Current_Queue_Manager_Status.Total_Transmission_Queue_Messages *GE 20
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is CRITICAL.

The threshold is evaluated for each distinct value of the MQ_Manager_Name attribute.

This threshold uses the following attributes:

Current_Queue_Manager_Status.Total_Transmission_Queue_Messages[URSTAT.TOTXMSG], Current_Queue_Manager_Status.MQ_Manager_Name[URSTAT.QMNAME].

MQ_Transmission_Queue_Warn

This situation monitors the number of messages on transmission queues and issues a warning alert when the number is between 5 and 20.

The default configuration has the following SQL syntax:

```
*IF *VALUE Current_Queue_Manager_Status.Total_Transmission_Queue_Messages *GE 5 *AND
*VALUE Current_Queue_Manager_Status.Total_Transmission_Queue_Messages *LT 20
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is WARNING.

The threshold is evaluated for each distinct value of the MQ_Manager_Name attribute.

This threshold uses the following attributes:

Current_Queue_Manager_Status.Total_Transmission_Queue_Messages[URSTAT.TOTXMSG], Current_Queue_Manager_Status.MQ_Manager_Name[URSTAT.QMNAME].

Customized thresholds

You can use the predefined thresholds as a starting point for event monitoring, and create your own thresholds as conditions arise that you want to monitor.

The WebSphere MQ agent has many data sets that you can use to create thresholds to monitor for specific conditions. For descriptions of the data sets, see Chapter 4, “Attributes,” on page 25.

Tip: The hover help for the Threshold Editor **Data set** field has a *Learn more* link to the attribute descriptions for the selected data set.

Chapter 4. Attributes

Attributes are the application properties that are being measured and reported by the Monitoring Agent for WebSphere MQ. Attributes make up the key performance indicators (KPIs) that are reported, and you can use them to create thresholds for conditions that you want to monitor.

About attributes

Attributes are organized into *data sets* (also referred to as *attribute groups*). The values can be selectively displayed in dashboards or used to define a threshold.

The most recent data sample of the attributes in the data set are used after you open a dashboard or start a threshold.

Dashboards

Only a subset of WebSphere MQ agent attributes is displayed in the dashboards. Queries to the dashboard data provider specify which attribute values to request from the managed resource. These attributes are shown in *italic* in this chapter. You can use these attributes to create the charts and tables in custom dashboard pages.

Thresholds

You can define thresholds that monitor the state of your operating system, database, or application and open an event when the threshold is exceeded. You use attributes to define thresholds that describe a condition that you want to test. After the threshold is started, the attribute values that are specified in the threshold are compared with the values collected by the WebSphere MQ agent. After the condition is met, an event is registered and you are alerted by indicators in the Application Performance Dashboard navigator, All My Applications summary boxes, and the Events tab.

The WebSphere MQ agent comes with *predefined thresholds* that are enabled and started with the agent. If you edit a predefined threshold, such as to change the condition or severity, it is no longer treated as a predefined threshold but considered a *custom threshold*.

All WebSphere MQ agent attributes, unless otherwise noted, can be used to create custom thresholds. The Events tab has a table of open events with information, including threshold name, severity, source, and display item. You can expand an event row to see the formula and drill down to the dashboard for the managed resource.

Some attributes names display differently in the Threshold Editor, as shown in parentheses after the name, such as "Object Count (OBJECT_COUNT)".

Historical data configurations

The WebSphere MQ agent collects historical data for key data sets that are shown in the dashboards. A dashboard page that includes historical views from the managed resource instance has a time selector tool for adjusting the time range. With line charts, you can also compare the values with a previous day, up to the number of days that have been saved.

Additional information about attributes

Note the following conditions:

- When no data can be collected for a data set, an empty result is returned (no rows of data)
- When a specific attribute cannot be collected, the value 0 or "" is returned unless otherwise specified in a particular attribute (for example, "N/A")
- Any numeric attribute value that is greater than the largest (positive or negative) number that can be represented by that type returns the corresponding maximum or minimum value (for example, the

maximum value for a 32-bit number is 2,147,483,647). These values are displayed as text values that are defined by the data set, such as “Value Exceeds Maximum” or “Value Exceeds Minimum”.

Numeric attributes have characteristics that are indicated in parentheses after the data type, such as “(32-bit numeric property)”. A numeric attribute value can be 32-bit or 64-bit or some other size. The value type can be gauge, which means it varies, like a speedometer; counter, which counts and always increases; or numeric property, such as disk size.

For a list of the data sets, a list of the attributes in each data set, and descriptions of the attributes in the WebSphere MQ agent, see “Data sets for the monitoring agent” and “Attribute descriptions” on page 29.

Data sets for the monitoring agent

The WebSphere MQ agent contains the following data sets.

- Data set name: Application Accounting
 - Table name: QMMQIACCT
 - Historical table name: KMQ_APPLICATION_ACCOUNTING or QMMQIACCT
- Data set name: Application Connections
 - Table name: QMCONNAPP
 - Historical table name: KMQ_APPLICATION_CONNECTIONS or QMCONNAPP
- Data set name: Channel Data
 - Table name: QMCH_DATA
 - Historical table name: KMQ_CHANNEL_DATA or QMCH_DATA
- Data set name: Channel Definition Details
 - Table name: QMCH_DEF
 - Historical table name: KMQ_CHANNEL_DEFINITION_DETAILS or QMCH_DEF
- Data set name: Channel Definitions
 - Table name: QMCHANNEL
 - Historical table name: KMQ_CHANNEL_DEFINITIONS or QMCHANNEL
- Data set name: Channel Long-Term History
 - Table name: QMCH_LH
 - Historical table name: KMQ_CHANNEL_LONG-TERM_HISTORY or QMCH_LH
- Data set name: Channel Short-Term History
 - Table name: QMCH_SH
 - Historical table name: KMQ_CHANNEL_SHORT-TERM_HISTORY or QMCH_SH
- Data set name: Channel Statistics
 - Table name: QMCHANS
 - Historical table name: KMQ_CHANNEL_STATISTICS or QMCHANS
- Data set name: Channel Status
 - Table name: QMCHAN_ST
 - Historical table name: KMQ_CHANNEL_STATUS or QMCHAN_ST
- Data set name: Channel Summary
 - Table name: QMCHAN_SUM
 - Historical table name: KMQ_CHANNEL_SUMMARY or QMCHAN_SUM
- Data set name: Connection Objects
 - Table name: QMCONNOBJ
 - Historical table name: KMQ_CONNECTION_OBJECTS or QMCONNOBJ

- Data set name: Current Events
 - Table name: QMEVENTC
 - Historical table name: KMQ_CURRENT_EVENTS or QMEVENTC
- Data set name: Current Queue Manager Status
 - Table name: QMCURSTAT
 - Historical table name: KMQ_CURRENT_QUEUE_MANAGER_STATUS or QMCURSTAT
- Data set name: Error Log
 - Table name: QMERRLOG
 - Historical table name: KMQ_ERROR_LOG or QMERRLOG
- Data set name: Event Archive
 - Table name: QMEVENTL
 - Historical table name: KMQ_EVENT_ARCHIVE or QMEVENTL
- Data set name: Event Details
 - Table name: QMEV_DET
 - Historical table name: KMQ_EVENT_DETAILS or QMEV_DET
- Data set name: Event History
 - Table name: QMEVENTH
 - Historical table name: KMQ_EVENT_HISTORY or QMEVENTH
- Data set name: Listener Status
 - Table name: QMLSSTATUS
 - Historical table name: KMQ_LISTENER_STATUS or QMLSSTATUS
- Data set name: Manager Definition Details
 - Table name: QMAN_DEF
 - Historical table name: KMQ_MANAGER_DEFINITION_DETAILS or QMAN_DEF
- Data set name: Managers
 - Table name: QMANAGER
 - Historical table name: KMQ_MANAGERS or QMANAGER
- Data set name: Message Data
 - Table name: QMMSG_DATA
 - Historical table name: KMQ_MESSAGE_DATA or QMMSG_DATA
- Data set name: Message Details
 - Table name: QMMSG_DET
 - Historical table name: KMQ_MESSAGE_DETAILS or QMMSG_DET
- Data set name: Message Statistics
 - Table name: QMMSG_STAT
 - Historical table name: KMQ_MESSAGE_STATISTICS or QMMSG_STAT
- Data set name: Message Summary
 - Table name: QMMSG_SUM
 - Historical table name: KMQ_MESSAGE_SUMMARY or QMMSG_SUM
- Data set name: MQ Action Log
 - Table name: QMACTLOG
 - Historical table name: KMQ_MQ_ACTION_LOG or QMACTLOG
- Data set name: MQ Channel Statistics
 - Table name: QMCH_STAT
 - Historical table name: KMQ_MQ_CHANNEL_STATISTICS or QMCH_STAT

- Data set name: MQ Queue Statistics
 - Table name: QMQ_STAT
 - Historical table name: KMQ_MQ_QUEUE_STATISTICS or QMQ_STAT
- Data set name: MQI Call Statistics Details
 - Table name: QMMQICDET
 - Historical table name: KMQ_MQI_CALL_STATISTICS_DETAILS or QMMQICDET
- Data set name: MQI Message Statistics Details
 - Table name: QMMQIMDET
 - Historical table name: KMQ_MQI_MESSAGE_STATISTICS_DETAILS or QMMQIMDET
- Data set name: MQI Statistics
 - Table name: QMMQISTAT
 - Historical table name: KMQ_MQI_STATISTICS or QMMQISTAT
- Data set name: MQSeries Events
 - Table name: QMEVENTP
 - Historical table name: KMQ_MQSERIES_EVENTS or QMEVENTP
- Data set name: Namelist
 - Table name: QMNAMELS
 - Historical table name: KMQ_NAMELIST or QMNAMELS
- Data set name: Object Attribute Details
 - Table name: QMATTR
 - Historical table name: KMQ_OBJECT_ATTRIBUTE_DETAILS or QMATTR
- Data set name: Publish Subscribe Status
 - Table name: QMPUBSUB
 - Historical table name: KMQ_PUBLISH_SUBSCRIBE_STATUS or QMPUBSUB
- Data set name: Queue Accounting
 - Table name: QMQ_ACCT
 - Historical table name: KMQ_QUEUE_ACCOUNTING or QMQ_ACCT
- Data set name: Queue Data
 - Table name: QMQ_DATA
 - Historical table name: KMQ_QUEUE_DATA or QMQ_DATA
- Data set name: Queue Definition Details
 - Table name: QMQ_DEF
 - Historical table name: KMQ_QUEUE_DEFINITION_DETAILS or QMQ_DEF
- Data set name: Queue Definitions
 - Table name: QMQQUEUE
 - Historical table name: KMQ_QUEUE_DEFINITIONS or QMQQUEUE
- Data set name: Queue Handle Status
 - Table name: QMQ_HDL_ST
 - Historical table name: KMQ_QUEUE_HANDLE_STATUS or QMQ_HDL_ST
- Data set name: Queue Long-Term History
 - Table name: QMQ_LH
 - Historical table name: KMQ_QUEUE_LONG-TERM_HISTORY or QMQ_LH
- Data set name: Queue Short Term History
 - Table name: QMQ_SH
 - Historical table name: KMQ_QUEUE_SHORT_TERM_HISTORY or QMQ_SH

- Data set name: Queue Statistics
 - Table name: QMQUEUES
 - Historical table name: KMQ_QUEUE_STATISTICS or QMQUEUES
- Data set name: Queue Status
 - Table name: QMQ_QU_ST
 - Historical table name: KMQ_QUEUE_STATUS or QMQ_QU_ST
- Data set name: Service Status
 - Table name: QMSVC_ST
 - Historical table name: KMQ_SERVICE_STATUS or QMSVC_ST
- Data set name: Subscription Definitions
 - Table name: QMSUBDEF
 - Historical table name: KMQ_SUBSCRIPTION_DEFINITIONS or QMSUBDEF
- Data set name: Subscription Status
 - Table name: QMSUBST
 - Historical table name: KMQ_SUBSCRIPTION_STATUS or QMSUBST
- Data set name: Telemetry Channels
 - Table name: QMCH_MQTT
 - Historical table name: KMQ_TELEMETRY_CHANNELS or QMCH_MQTT
- Data set name: Topic Definitions
 - Table name: QMTPCDEF
 - Historical table name: KMQ_TOPIC_DEFINITIONS or QMTPCDEF
- Data set name: Topic Publishers
 - Table name: QMTPCPUB
 - Historical table name: KMQ_TOPIC_PUBLISHERS or QMTPCPUB
- Data set name: Topic Status
 - Table name: QMTPCST
 - Historical table name: KMQ_TOPIC_STATUS or QMTPCST
- Data set name: Topic Subscribers
 - Table name: QMTPCSUB
 - Historical table name: KMQ_TOPIC_SUBSCRIBERS or QMTPCSUB

Attribute descriptions

Attributes in each WebSphere MQ agent data set collect data that the agent uses for monitoring.

The descriptions of the data sets contain information such as description, type, and names for each attribute in the data set. Some attributes are designated as key attributes, which are identifier attributes for the data set. An attribute in *italic* indicates that it is available for display in the Cloud APM console dashboards.

Application Accounting data set

The Application Accounting attributes provide the information related to the number of MQI requests that are executed using a connection to a queue manager. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports).

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Application Name

Name of the application. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: APPLICATION_NAME or APP_NAME (historical name), Application Name (caption), Application_Name (attribute name), and APP_NAME (column name).

Backout Count

Number of backouts that are processed, including implicit backouts. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BACKOUT_COUNT or BACKOUT_C (historical name), Backout Count (caption), Backout_Count (attribute name), and BACKOUT_C (column name).

Backout Rate

The rate per second of backouts that are processed, including implicit backouts. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BACKOUT_RATE or BACKOUT_R (historical name), Backout Rate (caption), Backout_Rate (attribute name), and BACKOUT_R (column name).

Browse Byte Rate

The rate per second of bytes that are got nondestructively. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_BYTE_RATE or BRWS_B_R (historical name), Browse Byte Rate (caption), Browse_Byte_Rate (attribute name), and BRWS_B_R (column name).

Browse Bytes

Total number of bytes that are got non-destructively. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_BYTES_64BIT or BRWS_B_C64 (historical name), Browse Bytes (caption), Browse_Bytes_64bit (attribute name), and BRWS_B_C64 (column name).

Browse Bytes (Deprecated)

Total number of bytes that are got nondestructively. The type is string.

The following names are defined for this attribute: BROWSE_BYTES or BRWS_B_CS (historical name), Browse Bytes (Deprecated) (caption), Browse_Bytes (attribute name), and BRWS_B_CS (column name).

Browse Count

Number of non-destructive gets for messages. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_COUNT or BRWS_C (historical name), Browse Count (caption), Browse_Count (attribute name), and BRWS_C (column name).

Browse Fail Count

Number of unsuccessful non-destructive gets. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_FAIL_COUNT or BRWS_FL_C (historical name), Browse Fail Count (caption), Browse_Fail_Count (attribute name), and BRWS_FL_C (column name).

Browse Fail Rate

Rate per second of unsuccessful non-destructive gets. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_FAIL_RATE or BRWS_FL_R (historical name), Browse Fail Rate (caption), Browse_Fail_Rate (attribute name), and BRWS_FL_R (column name).

Browse Rate

Rate per second of non-destructive gets for messages. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_RATE or BRWS_R (historical name), Browse Rate (caption), Browse_Rate (attribute name), and BRWS_R (column name).

Channel Name

Name of this channel. The type is string.

The following names are defined for this attribute: CHANNEL_NAME or CHNAME (historical name), Channel Name (caption), Channel_Name (attribute name), and CHNAME (column name).

Close Count

Number of objects that are closed. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLOSE_COUNT or CLS_C (historical name), Close Count (caption), Close_Count (attribute name), and CLS_C (column name).

Close Fail Count

Number of objects that are closed with failure. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLOSE_FAIL_COUNT or CFL_C (historical name), Close Fail Count (caption), Close_Fail_Count (attribute name), and CFL_C (column name).

Close Fail Rate

Rate per second of unsuccessful attempts to close queue objects. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLOSE_FAIL_RATE or CFL_R (historical name), Close Fail Rate (caption), Close_Fail_Rate (attribute name), and CFL_R (column name).

Close Rate

Rate per second of objects that are closed. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLOSE_RATE or CLS_R (historical name), Close Rate (caption), Close_Rate (attribute name), and CLS_R (column name).

Command Level

Command level of the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `COMMAND_LEVEL` or `CMD_LEVEL` (historical name), `Command Level` (caption), `Command_Level` (attribute name), and `CMD_LEVEL` (column name).

Commit Count

Number of successful transactions. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `COMMIT_COUNT` or `COMMIT_C` (historical name), `Commit Count` (caption), `Commit_Count` (attribute name), and `COMMIT_C` (column name).

Commit Fail Count

Number of unsuccessful attempts to complete a transaction. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `COMMIT_FAIL_COUNT` or `CMMT_FL_C` (historical name), `Commit Fail Count` (caption), `Commit_Fail_Count` (attribute name), and `CMMT_FL_C` (column name).

Commit Fail Rate

Rate per second of unsuccessful attempts to complete a transaction. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `COMMIT_FAIL_RATE` or `CMMT_FL_R` (historical name), `Commit Fail Rate` (caption), `Commit_Fail_Rate` (attribute name), and `CMMT_FL_R` (column name).

Commit Rate

Rate per second of successful transactions. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `COMMIT_RATE` or `COMMIT_R` (historical name), `Commit Rate` (caption), `Commit_Rate` (attribute name), and `COMMIT_R` (column name).

Connect Date & Time

Date and time of the MQCONN operation. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `CONNECT_DATE_AND_TIME` or `CONN_DTTM` (historical name), `Connect Date & Time` (caption), `Connect_Date_and_Time` (attribute name), and `CONN_DTTM` (column name).

Connection ID

Connection identifier for the MQ connection. The type is string.

The following names are defined for this attribute: `CONNECTION_IDENTIFIER` or `CONNID` (historical name), `Connection ID` (caption), `Connection_Identifier` (attribute name), and `CONNID` (column name).

Connection Name

Connection name for the client connection. The type is string.

The following names are defined for this attribute: CONNECTION_NAME or CONN_NAME (historical name), Connection Name (caption), Connection_Name (attribute name), and CONN_NAME (column name).

Disconnect Date & Time

Date and time of the MQDISC operation. Standard 16-character date/time format (CYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for year; MM stands for month; DD stands for day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DISCONNECT_DATE_AND_TIME or DISC_DTTM (historical name), Disconnect Date & Time (caption), Disconnect_Date_and_Time (attribute name), and DISC_DTTM (column name).

Disconnect Type

Type of disconnection. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (-1), Normal (0), Implicit (1), QMgr (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DISCONNECT_TYPE or DISC_TYPE (historical name), Disconnect Type (caption), Disconnect_Type (attribute name), and DISC_TYPE (column name).

Get Byte Rate

Rate per second of bytes that are got destructively. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_BYTE_RATE or GET_B_R (historical name), Get Byte Rate (caption), Get_Byte_Rate (attribute name), and GET_B_R (column name).

Get Bytes

Total number of bytes that are got destructively. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_BYTES_64BIT or GET_B_C64 (historical name), Get Bytes (caption), Get_Bytes_64bit (attribute name), and GET_B_C64 (column name).

Get Bytes (Deprecated)

Total number of bytes that are got destructively. The type is string.

The following names are defined for this attribute: GET_BYTES or GET_B_CS (historical name), Get Bytes (Deprecated) (caption), Get_Bytes (attribute name), and GET_B_CS (column name).

Get Count

Number of gets. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_COUNT or GET_C (historical name), Get Count (caption), Get_Count (attribute name), and GET_C (column name).

Get Fail Count

Number of unsuccessful destructive gets. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_FAIL_COUNT or GET_FL_C (historical name), Get Fail Count (caption), Get_Fail_Count (attribute name), and GET_FL_C (column name).

Get Fail Rate

Rate per second of unsuccessful destructive gets. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_FAIL_RATE or GET_FL_R (historical name), Get Fail Rate (caption), Get_Fail_Rate (attribute name), and GET_FL_R (column name).

Get Rate

Rate per second of destructive gets. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_RATE or GET_R (historical name), Get Rate (caption), Get_Rate (attribute name), and GET_R (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Inquire Count

Number of successful inquiries for objects. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INQUIRE_COUNT or INQ_C (historical name), Inquire Count (caption), Inquire_Count (attribute name), and INQ_C (column name).

Inquire Fail Count

Number of unsuccessful attempts to inquire objects. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INQUIRE_FAIL_COUNT or IFL_C (historical name), Inquire Fail Count (caption), Inquire_Fail_Count (attribute name), and IFL_C (column name).

Inquire Fail Rate

Rate per second of unsuccessful attempts to inquire objects. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INQUIRE_FAIL_RATE or IFL_R (historical name), Inquire Fail Rate (caption), Inquire_Fail_Rate (attribute name), and IFL_R (column name).

Inquire Rate

Rate per second of successful inquires for objects. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INQUIRE_RATE or INQ_R (historical name), Inquire Rate (caption), Inquire_Rate (attribute name), and INQ_R (column name).

Interval End Date & Time

Date and time of the end of the monitoring period. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_END_DATE_AND_TIME or INTED_DTTM (historical name), Interval End Date & Time (caption), Interval_End_Date_and_Time (attribute name), and INTED_DTTM (column name).

Interval Start Date & Time

Date and time of the start of the monitoring period. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_START_DATE_AND_TIME or INTST_DTTM (historical name), Interval Start Date & Time (caption), Interval_Start_Date_and_Time (attribute name), and INTST_DTTM (column name).

Interval Time

Seconds of interval time. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_TIME or INTRVL_TM (historical name), Interval Time (caption), Interval_Time (attribute name), and INTRVL_TM (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Open Count

Number of objects that are opened. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_COUNT or OPN_C (historical name), Open Count (caption), Open_Count (attribute name), and OPN_C (column name).

Open Fail Count

Number of objects that are opened with failure. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_FAIL_COUNT or OFL_C (historical name), Open Fail Count (caption), Open_Fail_Count (attribute name), and OFL_C (column name).

Open Fail Rate

Rate per second of unsuccessful attempts to open objects. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_FAIL_RATE or OFL_R (historical name), Open Fail Rate (caption), Open_Fail_Rate (attribute name), and OFL_R (column name).

Open Rate

Rate per second of objects that are opened. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_RATE or OPN_R (historical name), Open Rate (caption), Open_Rate (attribute name), and OPN_R (column name).

Process ID

Operating system process identifier of the application. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PROCESS_IDENTIFIER or APP_PID (historical name), Process ID (caption), Process_Identifier (attribute name), and APP_PID (column name).

Put Byte Rate

Rate per second of bytes that are put for messages. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_BYTE_RATE or PUT_B_R (historical name), Put Byte Rate (caption), Put_Byte_Rate (attribute name), and PUT_B_R (column name).

Put Bytes

Total number of bytes that are put for messages. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_BYTES_64BIT or PUT_B_C64 (historical name), Put Bytes (caption), Put_Bytes_64bit (attribute name), and PUT_B_C64 (column name).

Put Bytes (Deprecated)

Total number of bytes that are put for messages. The type is string.

The following names are defined for this attribute: PUT_BYTES or PUT_B_CS (historical name), Put Bytes (Deprecated) (caption), Put_Bytes (attribute name), and PUT_B_CS (column name).

Put Count

Number of puts. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_COUNT or PUT_C (historical name), Put Count (caption), Put_Count (attribute name), and PUT_C (column name).

Put Fail Count

Number of unsuccessful attempts to put a message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_FAIL_COUNT or PUT_FAIL_C (historical name), Put Fail Count (caption), Put_Fail_Count (attribute name), and PUT_FAIL_C (column name).

Put Fail Rate

Rate per second of unsuccessful attempts to put a message. The valid format is a floating point number. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_FAIL_RATE or PUT_FAIL_R (historical name), Put Fail Rate (caption), Put_Fail_Rate (attribute name), and PUT_FAIL_R (column name).

Put Rate

Rate per second of messages that are successfully put to a queue. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_RATE or PUT_R (historical name), Put Rate (caption), Put_Rate (attribute name), and PUT_R (column name).

Put1 Count

Number of messages that are put by the MQPUT1 call. The type is integer (32-bit numeric

property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_COUNT or PUT1_C (historical name), Put1 Count (caption), Put1_Count (attribute name), and PUT1_C (column name).

Put1 Fail Count

Number of unsuccessful attempts to put a message using MQPUT1 calls. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_FAIL_COUNT or PUT1_FL_C (historical name), Put1 Fail Count (caption), Put1_Fail_Count (attribute name), and PUT1_FL_C (column name).

Put1 Fail Rate

Rate per second of unsuccessful attempts to put a message using MQPUT1 calls. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_FAIL_RATE or PUT1_FL_R (historical name), Put1 Fail Rate (caption), Put1_Fail_Rate (attribute name), and PUT1_FL_R (column name).

Put1 Rate

Rate per second of messages that are put to queue by the MQPUT1 call. The valid format is a floating point number. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_RATE or PUT1_R (historical name), Put1 Rate (caption), Put1_Rate (attribute name), and PUT1_R (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Query Type

Type of a SQL query. Current = 0, Recent = 1, and Historical = 2. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Current (0), Recent (1), Historical (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUERY_TYPE or QUERYTYPE (historical name), Query Type (caption), Query_Type (attribute name), and QUERYTYPE (column name).

Sample Handle

Handle for a sample data record. The valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SAMPLE_HANDLE or SAMPHDL (historical name), Sample Handle (caption), Sample_Handle (attribute name), and SAMPHDL (column name).

Sequence Number

Sequence number. The type is integer (32-bit counter) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SEQUENCE_NUMBER or SEQ_NUM (historical name), Sequence Number (caption), Sequence_Number (attribute name), and SEQ_NUM (column name).

Set Count

Number of successful MQSET calls. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SET_COUNT or SET_C (historical name), Set Count (caption), Set_Count (attribute name), and SET_C (column name).

Set Fail Count

Number of unsuccessful MQSET calls. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SET_FAIL_COUNT or SFL_C (historical name), Set Fail Count (caption), Set_Fail_Count (attribute name), and SFL_C (column name).

Set Fail Rate

Rate per second of unsuccessful MQSET calls. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SET_FAIL_RATE or SFL_R (historical name), Set Fail Rate (caption), Set_Fail_Rate (attribute name), and SFL_R (column name).

Set Rate

Rate per second of successful MQSET calls. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SET_RATE or SET_R (historical name), Set Rate (caption), Set_Rate (attribute name), and SET_R (column name).

Thread ID

Thread identifier of the connection in the application. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: THREAD_IDENTIFIER or APP_TID (historical name), Thread ID (caption), Thread_Identifier (attribute name), and APP_TID (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

User ID

User identifier of the application. The type is string.

The following names are defined for this attribute: USER_IDENTIFIER or USER_ID (historical name), User ID (caption), User_Identifier (attribute name), and USER_ID (column name).

Application Connections data set

The Application Connections attributes provide connection information about the applications that are connected to the queue manager. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Address Space ID

Not applicable to the current monitoring agent. The address space identifier of the application that makes the connection. This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: ADDRESS_SPACE_IDENTIFIER or ASID (historical name), Address Space ID (caption), Address_Space_Identifier (attribute name), and ASID (column name).

Appl Type

Type of the application that is connected to the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (-1), NoContext (0), CICS (1), MVS (2), IMS (3), OS2 (4), DOS (5), UNIX (6), QMGR (7), OS400 (8), WINDOWS (9), CICS VSE (10), WINDOWS NT (11), VMS (12), GUARDIAN (13), VOS (14), IMS BRIDGE (19), XCF (20), CICS BRIDGE (21), NOTES AGENT (22), USER (25), BROKER (26), QMGR PUBLISH (27), JAVA (28), DQM (29), CHINIT (30), WLM (31), BATCH (32), RRS BATCH (33), SIB (34), SYSTEMEXT (35), MCAST PUBLISH (36), SYSTEM (101), USER FIRST (65536). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: APPLICATION_TYPE or APPLTYPE (historical name), Appl Type (caption), Application_Type (attribute name), and APPLTYPE (column name).

Application Tag

Tag of the application that is connected to the queue manager. The type is string.

The following names are defined for this attribute: APPLICATION_TAG or APPLTAG (historical name), Application Tag (caption), Application_Tag (attribute name), and APPLTAG (column name).

Asynch State

The state of asynchronous consumption on this connection handle. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (255), None (0), Started (1), StartWait (2), Stopped (3), Suspended (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ASYNCHRONOUS_STATE or ASTATE (historical name), Asynch State (caption), Asynchronous_State (attribute name), and ASTATE (column name).

Channel Name

The name of this channel. The type is string.

The following names are defined for this attribute: CHANNEL_NAME or CHANNEL (historical name), Channel Name (caption), Channel_Name (attribute name), and CHANNEL (column name).

CICS Region Name

Not applicable to the current monitoring agent. The CICS region name if the Appl Type attribute is CICS ; otherwise, it is blank. This attribute is for CICS applications on z/OS systems only. The type is string.

The following names are defined for this attribute: CICS_REGION_NAME or CICSREG (historical name), CICS Region Name (caption), CICS_Region_Name (attribute name), and CICSREG (column name).

CICS Task No

Not applicable to the current monitoring agent. A 7-digit CICS task number. This attribute is valid when the application type has the value CICS . This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: CICS_TASK_NUMBER or TASKNO (historical name), CICS Task No (caption), CICS_Task_Number (attribute name), and TASKNO (column name).

CICS Trans ID

Not applicable to the current monitoring agent. A 4-character CICS transaction identifier. This attribute is valid when the application type has the value of CICS. This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: CICS_TRANSACTION_IDENTIFIER or TRANSID (historical name), CICS Trans ID (caption), CICS_Transaction_Identifier (attribute name), and TRANSID (column name).

Conn ID Prefix (EXTCONN)

Character hexadecimal representation of the prefix of connection ID. The type is string.

The following names are defined for this attribute: CONNECTION_IDENTIFIER_PREFIX or EXTCONN (historical name), Conn ID Prefix (EXTCONN) (caption), Connection_Identifier_Prefix (attribute name), and EXTCONN (column name).

Conn ID Suffix (CONN)

Character hexadecimal representation of the suffix of connection ID. The type is string.

The following names are defined for this attribute: CONNECTION_IDENTIFIER_SUFFIX or CONN (historical name), Conn ID Suffix (CONN) (caption), Connection_Identifier_Suffix (attribute name), and CONN (column name).

Connection ID

Identifier of the connections. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: CONNECTION_IDENTIFIER or CONNID (historical name), Connection ID (caption), Connection_Identifier (attribute name), and CONNID (column name).

Connection Name

The connection name that is associated with the channel that owns the connection. If there is no channel associated with the connection, this attribute is blank. The valid format is an alphanumeric string of up to 264 case-sensitive characters. The type is string.

The following names are defined for this attribute: CONNECTION_NAME or CONNAME (historical name), Connection Name (caption), Connection_Name (attribute name), and CONNAME (column name).

Connection Options

The connection options that are currently in force for the application connection. The type is string.

The following names are defined for this attribute: CONNECTION_OPTIONS or CONNOPTS (historical name), Connection Options (caption), Connection_Options (attribute name), and CONNOPTS (column name).

External Unit of Recovery ID

The external unit of recovery identifier that is associated with the connection. Its format is determined by the value of external unit of recovery type. The type is string.

The following names are defined for this attribute: EXTERNAL_UNIT_OF_RECOVERY_IDENTIFIER or EXTURID (historical name), External Unit of Recovery ID (caption), External_Unit_of_Recovery_Identifier (attribute name), and EXTURID (column name).

External Unit of Recovery Type

The type of unit of recovery that is identified by the queue manager. The external unit of recovery type identifies the external unit of recovery ID type and not the type of the transaction

coordinator. When the external unit of recovery type is QMGR, the associated identifier is in the queue manager unit of recovery ID (and not the external unit of recovery ID). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), QMgr (0), CICS (1), RRS (2), IMS (3), XA (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EXTERNAL_UNIT_OF_RECOVERY_TYPE or URTYPE (historical name), External Unit of Recovery Type (caption), External_Unit_of_Recovery_Type (attribute name), and URTYPE (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

IMS PSB Name

Not applicable to the current monitoring agent. The name of the program specification block (PSB) that is associated with the running IMS transaction. You can use the IMS PSD Name and IMS PST ID to purge the transaction using IMS commands. The attribute is valid only when the application type has the value IMS . This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: IMS_PROGRAM_SPECIFICATION_BLOCK or PSBNAME (historical name), IMS PSB Name (caption), IMS_Program_Specification_Block (attribute name), and PSBNAME (column name).

IMS PST ID

Not applicable to the current monitoring agent. The IMS program specification table (PST) region identifier for the connected IMS region. The attribute is valid only when the application type has the value of IMS. This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: IMS_PROGRAM_SPECIFICATION_TABLE or PSTID (historical name), IMS PST ID (caption), IMS_Program_Specification_Table (attribute name), and PSTID (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Origin Name

Not applicable to the current monitoring agent. The origin name that identifies the originator of the unit of recovery. This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: ORIGIN_NAME or ORIGINNAME (historical name), Origin Name (caption), Origin_Name (attribute name), and ORIGINNAME (column name).

Origin UOW ID

Not applicable to the current monitoring agent. The unit of recovery identifier that is assigned by the originator. Set only if the value of UOW state is UNRESOLVED. This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: ORIGIN_UOW_IDENTIFIER or NID (historical name), Origin UOW ID (caption), Origin_UOW_Identifier (attribute name), and NID (column name).

Process ID

Not applicable to the current monitoring agent. The process identifier of the application that is connected to the queue manager. This attribute is for non Compaq NSK and z/OS systems. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PROCESS_IDENTIFIER or PID (historical name), Process ID (caption), Process_Identifier (attribute name), and PID (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

QMgr Unit of Recovery ID

The unit of recovery identifier that is assigned by the queue manager. On distributed systems, this is an 8-byte transaction identifier, displayed as m. n , where m and n are the decimal representation of the first and last 4 bytes of the transaction identifier. The type is string.

The following names are defined for this attribute: QUEUE_MANAGER_UNIT_OF_RECOVERY_IDENTIFIER or QMURID (historical name), QMgr Unit of Recovery ID (caption), Queue_Manager_Unit_of_Recovery_Identifier (attribute name), and QMURID (column name).

Thread ID

The thread identifier within the application process that has opened the specified queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: THREAD_IDENTIFIER or TID (historical name), Thread ID (caption), Thread_Identifier (attribute name), and TID (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

UOW Log Start Date & Time

The date and time that the transaction that is associated with the current connection first writes to the log. Standard 16-character date/time format (CYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: UOW_LOG_START_DATE_AND_TIME or UOWLOGD_T (historical name), UOW Log Start Date & Time (caption), UOW_Log_Start_Date_and_Time (attribute name), and UOWLOGD_T (column name).

UOW Log Start Extent

The name of the first extent that is required to recover the transaction. The type is string.

The following names are defined for this attribute: UOW_LOG_START_EXTENT or UOWLOG (historical name), UOW Log Start Extent (caption), UOW_Log_Start_Extent (attribute name), and UOWLOG (column name).

UOW Start Date & Time

The date and time that the transaction that is associated with the current connection is started. The valid format is the standard 16-character date/time format (CYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands

for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: UOW_START_DATE_AND_TIME or UOWSTD_T (historical name), UOW Start Date & Time (caption), UOW_Start_Date_and_Time (attribute name), and UOWSTD_T (column name).

UOW State

The state of the unit of work. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Active (1), Prepared (2), Unresolved (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: UOW_STATE or UOWSTATE (historical name), UOW State (caption), UOW_State (attribute name), and UOWSTATE (column name).

User ID

The user identifier that is associated with the connection. The attribute does not have a value when the application type has the value SYSTEM. The type is string.

The following names are defined for this attribute: USER_IDENTIFIER or USERID (historical name), User ID (caption), USER_Identifier (attribute name), and USERID (column name).

Channel Data data set

The Channel Data attributes provide detailed information about a channel. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values. A data sample is sent to the server every minute and is maintained for 8 days by default.

The attributes shown in *italic* are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Channel Name

The name of this channel. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: CHANNEL_NAME or CHNAME (historical name), *Channel Name* (caption), Channel_Name (attribute name), and CHNAME (column name).

Channel Type

The type that is assigned to the channel (SDR for sender, SVR for server, RCVR for receiver, RQSTR for requester, CLNTCONN for client connection, SVRCONN for server connection, CLUSRCVR for cluster receiver, CLUSSDR for cluster sender, ClusQmgr for cluster queue manager) when it is created. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), SDR (1), SVR (2), RCVR (3), RQSTR (4), CLNTCONN (6), SVRCONN (7), CLUSRCVR (8), CLUSSDR (9), ClusQmgr (254). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_TYPE or CHTYPE (historical name), *Channel Type* (caption), Channel_Type (attribute name), and CHTYPE (column name).

Cluster Qmgr Suspend

Indicates whether the cluster queue manager is suspended. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_QMGR_SUSPEND or SUSPEND (historical name), *Cluster Qmgr Suspend* (caption), Cluster_Qmgr_Suspend (attribute name), and SUSPEND (column name).

Cluster QMgr Type

The function of the associated queue manager in the cluster. The type is integer (32-bit numeric

property) with enumerated values. The following values are defined: Normal (0), Repository (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_QUEUE_MANAGER_TYPE or CLQMTYPE (historical name), *Cluster QMgr Type* (caption), Cluster_Queue_Manager_Type (attribute name), and CLQMTYPE (column name).

Cluster QMgr

The name of the cluster queue manager. The type is string.

The following names are defined for this attribute: CLUSTER_QUEUE_MANAGER or CLUSQMGR (historical name), *Cluster QMgr* (caption), Cluster_Queue_Manager (attribute name), and CLUSQMGR (column name).

Cluster The name of the cluster that the channel belongs to. The type is string.

The following names are defined for this attribute: CLUSTER (historical name), *Cluster* (caption), Cluster (attribute name), and CLUSTER (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), *QMgr Name* (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Alter Date & Time

The date and time that channel definition is last altered. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ALTER_DATE_AND_TIME or ALTDAT_TIM (historical name), Alter Date & Time (caption), Alter_Date_and_Time (attribute name), and ALTDAT_TIM (column name).

Batch Size

The maximum number of messages that this channel processes before a checkpoint is taken; that is, the size of logical unit of work (LUW) of this channel. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BATCH_SIZE or CHBATSIZE (historical name), Batch Size (caption), Batch_Size (attribute name), and CHBATSIZE (column name).

Channel Description

The description of this channel. This attribute is not available for CICS channels. The type is string.

The following names are defined for this attribute: CHANNEL_DESCRIPTION_U or UCHDESC (historical name), Channel Description (caption), Channel_Description_U (attribute name), and UCHDESC (column name).

Cluster Channel Definition Type

Indicates how this channel is defined. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Explicit Cluster-Sender (1), Automatic Cluster-Sender (2), Explicit Cluster-Receiver (3), Explicit/Auto Cluster-Sender (4), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_CHANNEL_DEFINITION_TYPE or CLDEFTYPE (historical name), Cluster Channel Definition Type (caption), Cluster_Channel_Definition_Type (attribute name), and CLDEFTYPE (column name).

Cluster Date & Time

The date and time that this cluster channel definition is made available. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_DATE_AND_TIME or CLDAT_TIM (historical name), Cluster Date & Time (caption), Cluster_Date_and_Time (attribute name), and CLDAT_TIM (column name).

Cluster Namelist

The name of the namelist that specifies a list of clusters that the channel belongs to. The type is string.

The following names are defined for this attribute: CLUSTER_NAMELIST or CLUSNL (historical name), Cluster Namelist (caption), Cluster_Namelist (attribute name), and CLUSNL (column name).

Connection Name

The name of the physical or logical connection that this channel uses to transmit or receive data. This name is formed from the connection type (IP for TCP/IP, LU for LU6. 2, or NETBIOS) and the connection address. If multiple connections are configured for the channel, this attribute is displayed as a comma separated list of names of systems for the stated Transport Type attribute. The type is string.

The following names are defined for this attribute: CONNECTION_NAME or CHCONNAM (historical name), Connection Name (caption), Connection_Name (attribute name), and CHCONNAM (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Maximum Msg Len

The longest message length that this channel can accommodate. The length must be less than or equal to 104857600. Zero indicates that the channel uses the same maximum message length as the queue manager that it belongs to. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MAXIMUM_MESSAGE_LENGTH or CHMAXML (historical name), Maximum Msg Len (caption), Maximum_Message_Length (attribute name), and CHMAXML (column name).

QSG Disp

Not applicable to the current monitoring agent. Disposition in the queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), Qmgr (0), Copy (1), Group (3), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QSG_DISPOSITION or QSGDISP (historical name), QSG Disp (caption), QSG_Disposition (attribute name), and QSGDISP (column name).

QSG Name

Not application to the current monitoring agent. The name of the queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: QSG_NAME or QSGNAME (historical name), QSG Name (caption), QSG_Name (attribute name), and QSGNAME (column name).

Transport Type

The transmission type (LU62, TCP for TCP/IP, NETBIOS, or CICS). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: LOCAL (0), LU62 (1), TCP (2), NETBIOS (3), SPX (4), DECNET (5), UDP (6), CICS (100). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRANSPORT_TYPE or CHTRTYPE (historical name), Transport Type (caption), Transport_Type (attribute name), and CHTRTYPE (column name).

Channel Definition Details data set

The Channel Definition Details attributes provide detailed information about the channel parameters, including name, description, and value. These attributes are informational only; they cannot be used to create situations. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Affinity

The client channel definition that the client applications use to connect to the queue manager if multiple connections are available. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Preferred (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: AFFINITY (historical name), Affinity (caption), Affinity (attribute name), and AFFINITY (column name).

Batch Data Limit

The amount of data that is sent through a channel before taking a sync point. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BATCH_DATA_LIMIT or BATCHLIM (historical name), Batch Data Limit (caption), Batch_Data_Limit (attribute name), and BATCHLIM (column name).

Channel Name

The name of this channel. The type is string.

The following names are defined for this attribute: CHANNEL_NAME or CHNAME (historical name), Channel Name (caption), Channel_Name (attribute name), and CHNAME (column name).

Channel Type

The type of the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: SDR (1), SVR (2), RCVR (3), RQSTR (4), ALL (5), CLNTCONN (6), SVRCONN (7), CLUSRCVR (8), CLUSSDR (9), ClusQmgr (254). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_TYPE or CHLTYPE (historical name), Channel Type (caption), Channel_Type (attribute name), and CHLTYPE (column name).

Client Channel Weight

A weighting to influence which client-connection channel definition is used. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLIENT_CHANNEL_WEIGHT or CLNTWGHT (historical name), Client Channel Weight (caption), Client_Channel_Weight (attribute name), and CLNTWGHT (column name).

Cluster

The name of the cluster to which the channel belongs. The type is string.

The following names are defined for this attribute: CLUSTER (historical name), Cluster (caption), Cluster (attribute name), and CLUSTER (column name).

Cluster Definition Type

Indicates how channel is defined in the cluster. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Explicit Cluster-Sender (1), Automatic Cluster-Sender (2), Explicit Cluster-Receiver (3), Explicit/Auto Cluster-Sender (4), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_DEFINITION_TYPE or DEFTYPE (historical name), Cluster Definition Type (caption), Cluster_Definition_Type (attribute name), and DEFTYPE (column name).

Cluster QMgr

The name of the cluster queue manager. The type is string.

The following names are defined for this attribute: CLUSTER_QUEUE_MANAGER or CLUSQMGR (historical name), Cluster QMgr (caption), Cluster_Queue_Manager (attribute name), and CLUSQMGR (column name).

Cluster Qmgr Suspend

Indicates whether to suspend the cluster queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_QMGR_SUSPEND or SUSPEND (historical name), Cluster Qmgr Suspend (caption), Cluster_Qmgr_Suspend (attribute name), and SUSPEND (column name).

Cluster Queue Manager Type

The function of associated queue manager in cluster. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Normal (0), Repository (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_QUEUE_MANAGER_TYPE or QMTYPE (historical name), Cluster Queue Manager Type (caption), Cluster_Queue_Manager_Type (attribute name), and QMTYPE (column name).

Default Reconnection

The default reconnection attribute value for a client connection channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), No (0), Yes (1), Qmgr (2), Disabled (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_RECONNECTION or DEFRECON (historical name), Default Reconnection (caption), Default_Reconnection (attribute name), and DEFRECON (column name).

Header Compression Value

The header data compression technique used by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), ANY (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: HEADER_COMPRESSION_VALUE or COMPHDR (historical name), Header Compression Value (caption), Header_Compression_Value (attribute name), and COMPHDR (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Keep Alive Interval

The timeout value for a channel. If the channel is idle for the length of time that is specified by this attribute (in seconds), the queue polls the other queue that is connected to the channel to ensure that the connection is still functioning. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Auto (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: KEEP_ALIVE_INTERVAL or KAINTE (historical name), Keep Alive Interval (caption), Keep_Alive_Interval (attribute name), and KAINTE (column name).

Maximum Instances

The maximum number of simultaneous instances of a server-connection channel that can be started. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MAXIMUM_INSTANCES or MAXINST (historical name), Maximum Instances (caption), Maximum_Instances (attribute name), and MAXINST (column name).

Maximum Instances Per Client

The maximum number of simultaneous instances of a server-connection channel that can be started from a single client. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MAXIMUM_INSTANCES_PER_CLIENT or MAXINSTC (historical name), Maximum Instances Per Client (caption), Maximum_Instances_Per_Client (attribute name), and MAXINSTC (column name).

MCA Program Type

Indicates the message channel agent (MCA) program runs as a thread or as a process. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Process (1), Thread (2), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MCA_PROGRAM_TYPE or MCATYPE (historical name), MCA Program Type (caption), MCA_Program_Type (attribute name), and MCATYPE (column name).

Message Compression Value

The message header data compression technique used by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0),

Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), ANY (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_COMPRESSION_VALUE or COMPMSG (historical name), Message Compression Value (caption), Message_Compression_Value (attribute name), and COMPMSG (column name).

Monitoring Channel Level

Specifies the level of monitoring data collection for the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Queue Manager (-3), n/a (-1), Off (0), Low (17), Moderate (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MONITORING_CHANNEL_LEVEL or MONCHL (historical name), Monitoring Channel Level (caption), Monitoring_Channel_Level (attribute name), and MONCHL (column name).

Note The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Non Persist Msg Speed

The speed at which nonpersistent messages travel through the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Normal (1), Fast (2), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NON_PERSIST_MSG_SPEED or NPMSPEED (historical name), Non Persist Msg Speed (caption), Non_Persist_Msg_Speed (attribute name), and NPMSPEED (column name).

Parameter Description

The description of the parameter. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Channel name (1), Channel type (2), Connection name (3), Transport type (4), Description (5), Max msgs for checkpoint (6), Maximum message length (7), Transmission queue name (8), Sending MCA convert data (9), Max xmitq msg wait in s. (10), Max long retry attempts (11), Long retry wait in s. (12), Message channel agent (13), MCA program type (14), MCA user identifier (15), LU 6.2 mode name (16), Message exit user data (17), Message exit name (18), MCA SNA session password (19), Put authority userid (20), Receive exit user data (21), Receive exit name (22), Security exit user data (23), Security exit name (24), Send exit user data (25), Send exit name (26), Sequence number wrap (27), Max short retry attempts (28), Short retry wait in s. (29), Transaction program name (30), Task user identifier (31), Client connection Qmgr (32), Sequential delivery (33), Maximum transmission size (34), Retry count (35), Retry fast interval in s. (36), Retry slow interval in s. (37), MCA transaction ID (38), Target system identifier (39), CICS profile name (40), CICS region (41), Batch interval in ms. (42), Heartbeat interval in s. (43), Message retry exit user data (44), Message retry exit name (45), Message retry count (46), Message retry interval in ms. (47), Non-persistent message speed (48), Cluster name (49), Cluster namelist (50), Network connection priority (51), Cluster queue manager (52), Cluster queue manager type (53), Suspend indicator (54), Cluster channel definition type (55), Internal queue manager name (56), Batch heartbeat (57), Local address (58), Keep alive interval (59), SSL client authentication (60), SSL cipher specification (61), SSL peer name (62), Header compression technique (63), Message compression technique (64), Monitoring channel level (65), Statistics channel level (66), Cluster workload priority (67), Cluster workload rank (68), Cluster workload weight (69), Sharing Conversations (70), Property Control (71), Maximum Instances (72), Maximum Instances Per Client (73), Client Channel Weight (74), Connection Affinity (75), Default Reconnection (76), Batch Data Limit (77), Pending Reset Sequence Number (78), Use DLQ (79). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PARAMETER_DESCRIPTION` or `PARM_DESC` (historical name), Parameter Description (caption), `Parameter_Description` (attribute name), and `PARM_DESC` (column name).

Parameter Name

The name of the parameter. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: CHANNEL (1), CHLTYPE (2), CONNAME (3), TRPTYPE (4), DESCR (5), BATCHSZ (6), MAXMSG (7), XMITQ (8), CONVERT (9), DISCINT (10), LONGRTY (11), LONGTMR (12), MCANAME (13), MCATYPE (14), MCAUSER (15), MODENAME (16), MSGDATA (17), MSGEXIT (18), PASSWORD (19), PUTAUT (20), RCVDATA (21), RCVEXIT (22), SCYDATA (23), SCYEXIT (24), SENDDATA (25), SENDEXIT (26), SEQWRAP (27), SHORTRTY (28), SHORTTMR (29), TPNAME (30), USERID (31), QMNAME (32), DELIVER (33), MAXXMIT (34), RETRY (35), FASTTMR (36), SLOWTMR (37), TRANSID (38), TARGET (39), PROFILE (40), APPLID (41), BATCHINT (42), HBINT (43), MRDATA (44), MREXIT (45), MRRTY (46), MRTMR (47), NPMSPEED (48), CLUSTER (49), CLUSNL (50), NETPRTY (51), CLUSQMGR (52), QMTYPE (53), SUSPEND (54), DEFTYPE (55), QMID (56), BATCHHB (57), LOCLADDR (58), KAIN (59), SSLCAUTH (60), SSLCIPH (61), SSLPEER (62), COMPHDR (63), COMPMSG (64), MONCHL (65), STATCHL (66), CLWLPRTY (67), CLWLRANK (68), CLWLWGHT (69), SHARECNV (70), PROPCTL (71), MAXINST (72), MAXINSTC (73), CLNTWGHT (74), AFFINITY (75), DEFRECON (76), BATCHLIM (77), RESETSEQ (78), USEDQ (79). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PARAMETER_NAME` or `PARM_NAME` (historical name), Parameter Name (caption), `Parameter_Name` (attribute name), and `PARM_NAME` (column name).

Parameter Type

The type of the parameter. The type is string.

The following names are defined for this attribute: `PARAMETER_TYPE` or `PARM_TYPE` (historical name), Parameter Type (caption), `Parameter_Type` (attribute name), and `PARM_TYPE` (column name).

Parameter Value

The value of the parameter. The valid format is an alphanumeric string of up to 264 characters. The type is string.

The following names are defined for this attribute: `PARAMETER_VALUE_U` or `UPARM_VAL` (historical name), Parameter Value (caption), `Parameter_Value_U` (attribute name), and `UPARM_VAL` (column name).

Parameter Value (Deprecated)

The value of the parameter. The valid format is an alphanumeric string of up to 264 characters. The type is string.

The following names are defined for this attribute: `PARAMETER_VALUE` or `PARM_VALUE` (historical name), Parameter Value (Deprecated) (caption), `Parameter_Value` (attribute name), and `PARM_VALUE` (column name).

Pending Reset Sequence Number

The sequence number from an outstanding request and it indicates a user `RESET CHANNEL` command request is outstanding. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), No (0). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PENDING_RESET_SEQUENCE_NUMBER` or `RESETSEQ` (historical name), Pending Reset Sequence Number (caption), `Pending_Reset_Sequence_Number` (attribute name), and `RESETSEQ` (column name).

Property Control

Specifies what happens to properties of messages when the message is about to be sent to the

queue manager that does not understand the concept of a property descriptor. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Compatibility (0), None (1), All (2), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PROPERTY_CONTROL or PROPCTL (historical name), Property Control (caption), Property_Control (attribute name), and PROPCTL (column name).

Put Authority

Specifies the type of security processing to be carried out by the MCA. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: DEF (1), CTX (2), MCA (3), PRO (100). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_AUTHORITY or PUTAUT (historical name), Put Authority (caption), Put_Authority (attribute name), and PUTAUT (column name).

QMgr Name

The name that is assigned to this queue manager. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Sending MCA Convert

Indicates whether the sending MCA is to convert the message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SENDING_MCA_CONVERT or CONVERT (historical name), Sending MCA Convert (caption), Sending_MCA_Convert (attribute name), and CONVERT (column name).

Sequential Delivery

Specifies whether sequential delivery applies. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SEQUENTIAL_DELIVERY or DELIVER (historical name), Sequential Delivery (caption), Sequential_Delivery (attribute name), and DELIVER (column name).

Sharing Conversations

The maximum number of conversations that can be shared per TCP/IP socket. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHARING_CONVERSATIONS or SHARECNV (historical name), Sharing Conversations (caption), Sharing_Conversations (attribute name), and SHARECNV (column name).

SSL Client Authentication

Indicates whether the channel needs to receive and authenticate a TLS certificate from a TLS client. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Required (0), Optional (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SSL_CLIENT_AUTHENTICATION or SSLCAUTH (historical name), SSL Client Authentication (caption), SSL_Client_Authentication (attribute name), and SSLCAUTH (column name).

Statistics Channel Level

The level of statistics data collection for the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Queue Manager (-3), n/a (-1), Off (0), Low (17), Moderate (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: STATISTICS_CHANNEL_LEVEL or STATCHL (historical name), Statistics Channel Level (caption), Statistics_Channel_Level (attribute name), and STATCHL (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Transport Type

The transmission protocol type. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Local (0), LU62 (1), TCP (2), NETBIOS (3), SPX (4), DECNET (5), UDP (6), CICS (100). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRANSPORT_TYPE or TRPTYPE (historical name), Transport Type (caption), Transport_Type (attribute name), and TRPTYPE (column name).

Use DLQ

Specifies whether the dead-letter queue is used when messages cannot be delivered by channels. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), AsParent (0), No (1), Yes (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: USE_DLQ or USEDQLQ (historical name), Use DLQ (caption), Use_DLQ (attribute name), and USEDQLQ (column name).

Channel Definitions data set

The Channel Definitions attributes provide definition parameters for the channels that belong to a queue manager. This data is collected at five-minute intervals.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Alter Date & Time

The date and time that the channel definition is last altered. Standard 16-character date/time format (CYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ALTER_DATE_AND_TIME or ALTDAT_TIM (historical name), Alter Date & Time (caption), Alter_Date_and_Time (attribute name), and ALTDAT_TIM (column name).

Batch Size

The maximum number of messages that this channel processes before a checkpoint is taken; that is, the size of the logical unit of work (LUW) of the channel. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BATCH_SIZE or CHBATSIZE (historical name), Batch Size (caption), Batch_Size (attribute name), and CHBATSIZE (column name).

Channel Description

The description of this channel. This attribute is not available for CICS channels. The type is string.

The following names are defined for this attribute: CHANNEL_DESCRIPTION_U or UCHDESC (historical name), Channel Description (caption), Channel_Description_U (attribute name), and UCHDESC (column name).

Channel Description (Deprecated)

The description of this channel. This attribute is not available for CICS channels. The type is string.

The following names are defined for this attribute: CHANNEL_DESCRIPTION or CHDESC (historical name), Channel Description (Deprecated) (caption), Channel_Description (attribute name), and CHDESC (column name).

Channel Name

The name of this channel. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: CHANNEL_NAME or CHNAME (historical name), Channel Name (caption), Channel_Name (attribute name), and CHNAME (column name).

Channel Type

The type that is assigned to the channel when it is created. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), SDR (1), SVR (2), RCVR (3), RQSTR (4), CLNTCONN (6), SVRCONN (7), CLUSRCVR (8), CLUSSDR (9), ClusQmgr (254). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_TYPE or CHTYPE (historical name), Channel Type (caption), Channel_Type (attribute name), and CHTYPE (column name).

Cluster

The name of the cluster to which the channel belongs. The type is string.

The following names are defined for this attribute: CLUSTER (historical name), Cluster (caption), Cluster (attribute name), and CLUSTER (column name).

Cluster Channel Definition Type

Indicates how this channel is defined. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Explicit Cluster-Sender (1), Automatic Cluster-Sender (2), Explicit Cluster-Receiver (3), Explicit/Auto Cluster-Sender (4), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_CHANNEL_DEFINITION_TYPE or CLDEFTYPE (historical name), Cluster Channel Definition Type (caption), Cluster_Channel_Definition_Type (attribute name), and CLDEFTYPE (column name).

Cluster Date & Time

The date and time that this cluster channel definition is made available. Standard 16-character date/time format (CYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_DATE_AND_TIME or CLDAT_TIM (historical name), Cluster Date & Time (caption), Cluster_Date_and_Time (attribute name), and CLDAT_TIM (column name).

Cluster Namelist

The name of the namelist that specifies a list of clusters to which the channel belongs. The type is string.

The following names are defined for this attribute: CLUSTER_NAMELIST or CLUSNL (historical name), Cluster Namelist (caption), Cluster_Namelist (attribute name), and CLUSNL (column name).

Cluster QMgr

The name of the cluster queue manager. The type is string.

The following names are defined for this attribute: CLUSTER_QUEUE_MANAGER or CLUSQMGR (historical name), Cluster QMgr (caption), Cluster_Queue_Manager (attribute name), and CLUSQMGR (column name).

Cluster Qmgr Suspend

Indicates whether the cluster queue manager is suspended. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_QMGR_SUSPEND or SUSPEND (historical name), Cluster Qmgr Suspend (caption), Cluster_Qmgr_Suspend (attribute name), and SUSPEND (column name).

Cluster QMgr Type

The function of the associated queue manager in the cluster. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Normal (0), Repository (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_QUEUE_MANAGER_TYPE or CLQMTYPE (historical name), Cluster QMgr Type (caption), Cluster_Queue_Manager_Type (attribute name), and CLQMTYPE (column name).

Connection Name

The name of the physical or logical connection that this channel uses to transmit or receive data. This name is formed from the connection type (IP for TCP/IP, LU for LU6. 2, or NETBIOS) and the connection address. If multiple connections are configured for the channel, this attribute is displayed as a comma separated list of names of systems for the stated Transport Type attribute. The type is string.

The following names are defined for this attribute: CONNECTION_NAME or CHCONNAM (historical name), Connection Name (caption), Connection_Name (attribute name), and CHCONNAM (column name).

Cur Defn

Indicates whether the queue or channel is currently defined on the monitored queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENTLY_DEFINED or CHDEFSTATE (historical name), Cur Defn (caption), Currently_Defined (attribute name), and CHDEFSTATE (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Maximum Msg Len

The longest message that this channel can accommodate. The length must be less than or equal to 104857600. Zero indicates that the channel uses the same maximum message length as the queue

manager it belongs to. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `MAXIMUM_MESSAGE_LENGTH` or `CHMAXML` (historical name), `Maximum Msg Len` (caption), `Maximum_Message_Length` (attribute name), and `CHMAXML` (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `NODE` (historical name), `Node` (caption), `ORIGINNODE` (attribute name), and `ORIGINNODE` (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `MQ_MANAGER_NAME` or `QMNAME` (historical name), `QMgr Name` (caption), `MQ_Manager_Name` (attribute name), and `QMNAME` (column name).

QSG Disp

Not applicable to the current monitoring agent. Disposition in the queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), `Qmgr` (0), `Copy` (1), `Group` (3), `Unknown` (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QSG_DISPOSITION` or `QSGDISP` (historical name), `QSG Disp` (caption), `QSG_Disposition` (attribute name), and `QSGDISP` (column name).

QSG Name

Not applicable to the current monitoring agent. The name of the queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: `QSG_NAME` or `QSGNAME` (historical name), `QSG Name` (caption), `QSG_Name` (attribute name), and `QSGNAME` (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: `TIMESTAMP` (historical name), `Timestamp` (caption), `Timestamp` (attribute name), and `TIMESTAMP` (column name).

Transport Type

The transmission type (`LU62`, `TCP` for `TCP/IP`, `NETBIOS`, or `CICS`). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), `LOCAL` (0), `LU62` (1), `TCP` (2), `NETBIOS` (3), `SPX` (4), `DECNET` (5), `UDP` (6), `CICS` (100). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `TRANSPORT_TYPE` or `CHTRTYPE` (historical name), `Transport Type` (caption), `Transport_Type` (attribute name), and `CHTRTYPE` (column name).

Channel Long-Term History data set

The Channel Long-Term History attributes provide channel performance information for each monitored channel within a queue manager. These attributes are informational only; they cannot be used to create situations. This data is collected at five-minute intervals. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default.

The attributes shown in *italic* are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Batches Complete

The number of logical units of work (LUWs) that this channel has processed after it is initialized. This attribute is not available for CICS channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: BATCHES_COMPLETE or CHBATCMP (historical name), *Batches Complete* (caption), Batches_Complete (attribute name), and CHBATCMP (column name).

Bytes Received

The total number of bytes that are received during the current interval or aggregation period. The type is integer (64-bit numeric property).

The following names are defined for this attribute: BYTES_RECEIVED_64BIT or CHBYRV_C64 (historical name), *Bytes Received* (caption), Bytes_Received_64bit (attribute name), and CHBYRV_C64 (column name).

Bytes Sent

The total number of bytes that are sent during the current interval or aggregation period. The type is integer (64-bit numeric property).

The following names are defined for this attribute: BYTES_SENT_64BIT or CHBYST_C64 (historical name), *Bytes Sent* (caption), Bytes_Sent_64bit (attribute name), and CHBYST_C64 (column name).

Channel Name

The name of this channel. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: CHANNEL_NAME or CHNAME (historical name), *Channel Name* (caption), Channel_Name (attribute name), and CHNAME (column name).

Channel Status

The current operational status of the channel. "n/a" means the channel is not currently active (thus no short-term history data is available) but was active in the recent past (thus long-term history data is available). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), Binding (1), Starting (2), Running (3), Stopping (4), Retrying (5), Stopped (6), Requesting (7), Paused (8), Initializing (13), Switching (14), Inactive (101), Conn Not Def (200), Out Service (201), Going Out (202), Released (203), Obtaining (204), Acquired (205), Freeing (206), Available (207), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_STATUS or CHSTATUS (historical name), *Channel Status* (caption), Channel_Status (attribute name), and CHSTATUS (column name).

Connection Name

The name of the physical or logical connection that this channel uses to transmit or receive data. This name is formed from the connection type (IP for TCP/IP, LU for LU6. 2, or NETBIOS) and the connection address. If multiple connections are configured for the channel, this attribute is displayed as a comma separated list of system names. The type is string.

The following names are defined for this attribute: CONNECTION_NAME or CHCONNAM (historical name), *Connection Name* (caption), Connection_Name (attribute name), and CHCONNAM (column name).

In-Doubt Status

Indicates whether this channel is in doubt. A channel is considered in doubt when a logical unit of work (LUW) has been sent and the channel is waiting for an acknowledgment that the LUW has been successfully received. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: IN-DOUBT_STATUS or CHINDOUBT (historical name), *In-Doubt Status* (caption), In-Doubt_Status (attribute name), and CHINDOUBT (column name).

Message Count

The number of messages that are sent or received on this channel during the current interval or aggregation period. For the Interval Summary row in the Recent Channel report, this count is the sum of all the message counts in the subsequent rows. This attribute is not available for CICS channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MESSAGE_COUNT or CHMSGS (historical name), *Message Count* (caption), Message_Count (attribute name), and CHMSGS (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), *QMgr Name* (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Sample Date & Time

The date and time of the sample. The type is timestamp.

The following names are defined for this attribute: SAMPLE_DATE_AND_TIME or SDATE_TIME (historical name), *Sample Date & Time* (caption), Sample_Date_and_Time (attribute name), and SDATE_TIME (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Transmit KB/Sec

The transmission rate (in kilobytes per second) over the latest interval. This attribute is not available for CICS channels. The type is real number (32-bit gauge) with two decimal places of precision.

The following names are defined for this attribute: TRANSMIT_KILOBYTES_PER_SECOND or CHRATE (historical name), *Transmit KB/Sec* (caption), Transmit_Kilobytes_per_Second (attribute name), and CHRATE (column name).

XmitQ Depth

The number of messages on the transmission queue that are associated with this channel. The type is integer (32-bit gauge).

The following names are defined for this attribute: TRANSMISSION_QUEUE_DEPTH or CHXMITQD (historical name), *XmitQ Depth* (caption), Transmission_Queue_Depth (attribute name), and CHXMITQD (column name).

Buffers Received

The total number of buffers that are received during the current interval or aggregation period. The type is integer (32-bit numeric property).

The following names are defined for this attribute: BUFFERS_RECEIVED or CHABURCV (historical name), *Buffers Received* (caption), Buffers_Received (attribute name), and CHABURCV (column name).

Buffers Sent

The total number of buffers that are sent during the current interval or aggregation period. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `BUFFERS_SENT` or `CHABUSNT` (historical name), `Buffers Sent` (caption), `Buffers_Sent` (attribute name), and `CHABUSNT` (column name).

Bytes Received (Deprecated)

The total number of bytes that are received during the current interval or aggregation period. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `BYTES_RECEIVED` or `CHABYRCV` (historical name), `Bytes Received (Deprecated)` (caption), `Bytes_Received` (attribute name), and `CHABYRCV` (column name).

Bytes Sent (Deprecated)

The total number of bytes that are sent during the current interval or aggregation period. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `BYTES_SENT` or `CHABYSNT` (historical name), `Bytes Sent (Deprecated)` (caption), `Bytes_Sent` (attribute name), and `CHABYSNT` (column name).

Channel Type

The type that is assigned to the channel (SDR for sender, SVR for server, RCVR for receiver, RQSTR for requester, CLNTCONN for client connection, SVRCONN for server connection, CLUSRCVR for cluster receiver, or CLUSSDR for cluster sender) when it is created. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), SDR (1), SVR (2), RCVR (3), RQSTR (4), CLNTCONN (6), SVRCONN (7), CLUSRCVR (8), CLUSSDR (9). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `CHANNEL_TYPE` or `CHTYPE` (historical name), `Channel Type` (caption), `Channel_Type` (attribute name), and `CHTYPE` (column name).

Cur Defn

Indicates whether the queue or channel is currently defined on the monitored queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `CURRENTLY_DEFINED` or `CHDEFSTATE` (historical name), `Cur Defn` (caption), `Currently_Defined` (attribute name), and `CHDEFSTATE` (column name).

CurBatch LUW ID

The identifier that is assigned to the current logical unit of work (LUW). If a sender channel is in doubt, this is the problem batch. This attribute is not available for CICS channels. The type is string.

The following names are defined for this attribute: `CURRENT_BATCH_LUW_ID` or `CHCURLUWID` (historical name), `CurBatch LUW ID` (caption), `Current_Batch_LUW_ID` (attribute name), and `CHCURLUWID` (column name).

CurBatch Messages

The number of messages that are processed for the current logical unit of work (LUW). If a sender channel is in doubt, this is the number of messages that are currently in doubt. This attribute is not available for CICS channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `CURRENT_BATCH_MESSAGES` or `CHCURMSG` (historical name), `CurBatch Messages` (caption), `Current_Batch_Messages` (attribute name), and `CHCURMSG` (column name).

CurMsg SeqNo

The number of the last message that is sent for the logical unit of work (LUW) that the in-doubt channel is currently processing. This attribute is not available for CICS channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CURRENT_MESSAGE_SEQUENCE_NUMBER or CHCURSEQNO (historical name), CurMsg SeqNo (caption), Current_Message_Sequence_Number (attribute name), and CHCURSEQNO (column name).

Current Action State

The current action that is being performed by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Other (0), End Of Batch (100), Sending (200), Receiving (300), Serializing (400), Resynching (500), Heartbeating (600), Security exit (700), Receive exit (800), Sending exit (900), Message exit (1000), Retry exit (1100), Channel definition exit (1200), Net connection (1250), SSL hand shaking (1300), Name server (1400), MQPut (1500), MQGet (1600), MQI Call (1700), Compressing (1800). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENT_ACTION_STATE or SUBSTATE (historical name), Current Action State (caption), Current_Action_State (attribute name), and SUBSTATE (column name).

Default Header Compression

The default techniques for header data compression that are supported by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_HEADER_COMPRESSION_VALUE or DFTCOMPHDR (historical name), Default Header Compression (caption), Default_Header_Compression_Value (attribute name), and DFTCOMPHDR (column name).

Default Message Compression

The default techniques for message data compression that are supported by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_MESSAGE_COMPRESSION_VALUE or DFTCOMMSG (historical name), Default Message Compression (caption), Default_Message_Compression_Value (attribute name), and DFTCOMMSG (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Interval Length

The interval time over which statistics were taken. The type is string.

The following names are defined for this attribute: INTERVAL_LENGTH or INT_TIMEC (historical name), Interval Length (caption), Interval_Length (attribute name), and INT_TIMEC (column name).

Interval Time

The size of the current sampling interval, in hundredths of seconds. For example, .50 is half a second. This value is determined by the control parameters that are set when configuring the

monitoring agent; it is usually specified as 60.00 (60 seconds). The type is real number (32-bit numeric property) with two decimal places of precision.

The following names are defined for this attribute: INTERVAL_TIME or INT_TIME (historical name), Interval Time (caption), Interval_Time (attribute name), and INT_TIME (column name).

Last Header Compression

The last techniques for header data compression that are supported by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_HEADER_COMPRESSION_VALUE or LSTCOMHDR (historical name), Last Header Compression (caption), Last_Header_Compression_Value (attribute name), and LSTCOMHDR (column name).

Last Message Compression

The last techniques for message data compression that are supported by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_MESSAGE_COMPRESSION_VALUE or LSTCOMMSG (historical name), Last Message Compression (caption), Last_Message_Compression_Value (attribute name), and LSTCOMMSG (column name).

Last Send Date & Time

The date and time that the last message is sent to the current channel/connection name combination. This attribute is not available for CICS channels. Standard 16-character date/time format (CYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_MESSAGE_DATE_AND_TIME or CHLM_DTTM (historical name), Last Send Date & Time (caption), Last_Message_Date_and_Time (attribute name), and CHLM_DTTM (column name).

Local Address

The local communications address for the channel. The value returned depends on the TRPRYPE value of the channel (currently only TCP/IP is supported). The type is string.

The following names are defined for this attribute: LOCAL_COMMUNICATIONS_ADDRESS or LOCLADDR (historical name), Local Address (caption), Local_Communications_Address (attribute name), and LOCLADDR (column name).

Long Term Batch Size

The long-term number of messages in a batch. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_RECENT_BATCH_SIZE or LTBACHZ (historical name), Long Term Batch Size (caption), Long_Term_Recent_Batch_Size (attribute name), and LTBACHZ (column name).

Long Term Compression Rate

Long-term compression rate that is achieved to the nearest percentage. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_COMPRESSION_RATE or LTCOMPRATE (historical name), Long Term Compression Rate (caption), Long_Term_Compression_Rate (attribute name), and LTCOMPRATE (column name).

Long Term Compression Time

Long-term amount of time per message, in microseconds, spent during compression or decompression. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_COMPRESSION_TIME or LTCOMPTIME (historical name), Long Term Compression Time (caption), Long_Term_Compression_Time (attribute name), and LTCOMPTIME (column name).

Long Term Exit Time

Long term of the time that is taken executing user exits per message. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_EXIT_TIME or LTEXTTIME (historical name), Long Term Exit Time (caption), Long_Term_Exit_Time (attribute name), and LTEXTTIME (column name).

Long Term Net Time

Long term time of a network operation. The amount of time, in microseconds, to send a request to the remote end of the channel and receive a response. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_NET_TIME or LTNETTIME (historical name), Long Term Net Time (caption), Long_Term_Net_Time (attribute name), and LTNETTIME (column name).

Long Term XmitQ Time

The long-term transmission queue time. The time, in microseconds, that messages remain on the transmission queue before being retrieved. The time is measured from when the message is put onto the transmission queue until it is retrieved to be sent on the channel and, therefore, includes any interval that is caused by a delay in the putting applications. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_TRANSMIT_QUEUE_TIME or LTXQTIME (historical name), Long Term XmitQ Time (caption), Long_Term_Transmit_Queue_Time (attribute name), and LTXQTIME (column name).

LUW Last Committed

The identifier of the last-committed logical unit of work (LUW). The type is string.

The following names are defined for this attribute: LUW_ID_LAST_COMMITTED or CHLSTLUWID (historical name), LUW Last Committed (caption), LUW_ID_Last_Committed (attribute name), and CHLSTLUWID (column name).

MCA Job Name

The MCA job name string that is associated with a channel that uniquely identifies that channel. This name is provided to differentiate (along with Connection Name) between multiple active channel connections that can be defined to the same queue manager. The type is string.

The following names are defined for this attribute: MCA_JOB_NAME or MCAJOBNM (historical name), MCA Job Name (caption), MCA_Job_Name (attribute name), and MCAJOBNM (column name).

MCA Status

The status of the message channel agent. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Stopped (0), Running (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MCA_STATUS or MCASTAT (historical name), MCA Status (caption), MCA_Status (attribute name), and MCASTAT (column name).

Remote Partner Application Name

The name of the client application at the remote end of the channel. This parameter applies only to server-connection channels. The type is string.

The following names are defined for this attribute: REMOTE_PARTNER_APPLICATION_NAME or RAPPLTAG (historical name), Remote Partner Application Name (caption), Remote_Partner_Application_Name (attribute name), and RAPPLTAG (column name).

Remote Qmgr Name

The name that is assigned to the queue manager or queue sharing group of the remote system. This parameter does not apply to server-connection channels, where no values are returned. The type is string.

The following names are defined for this attribute: REMOTE_QMGR_NAME or RQMNAME (historical name), Remote Qmgr Name (caption), Remote_Qmgr_Name (attribute name), and RQMNAME (column name).

SeqNo Last Committed

The number of the last-committed message within the last-committed logical unit of work (LUW). The type is integer (32-bit numeric property).

The following names are defined for this attribute: SEQUENCE_NUMBER_LAST_COMMITTED or CHLSTSEQNO (historical name), SeqNo Last Committed (caption), Sequence_Number_Last_Committed (attribute name), and CHLSTSEQNO (column name).

Short Term Batch Size

The short-term number of messages in a batch. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_RECENT_BATCH_SIZE or STBACHZ (historical name), Short Term Batch Size (caption), Short_Term_Recent_Batch_Size (attribute name), and STBACHZ (column name).

Short Term Compression Rate

Short-term compression rate that is achieved to the nearest percentage. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_COMPRESSION_RATE or STCOMPRATE (historical name), Short Term Compression Rate (caption), Short_Term_Compression_Rate (attribute name), and STCOMPRATE (column name).

Short Term Compression Time

Short-term amount of time per message, in microseconds, spent during compression or decompression. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_COMPRESSION_TIME or STCOMPTIME (historical name), Short Term Compression Time (caption), Short_Term_Compression_Time (attribute name), and STCOMPTIME (column name).

Short Term Exit Time

Short-term of the time that is taken executing user exits per message. The type is integer (32-bit

gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SHORT_TERM_EXIT_TIME` or `STEXITTIME` (historical name), Short Term Exit Time (caption), `Short_Term_Exit_Time` (attribute name), and `STEXITTIME` (column name).

Short Term Net Time

Short-term time of a network operation. The amount of time (in microseconds) to send a request to the remote end of the channel and receive a response. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SHORT_TERM_NET_TIME` or `STNETTIME` (historical name), Short Term Net Time (caption), `Short_Term_Net_Time` (attribute name), and `STNETTIME` (column name).

Short Term XmitQ Time

Short-term transmission queue time. The time, in microseconds, that messages remain on the transmission queue before being retrieved. The time is measured from when the message is put onto the transmission queue until it is retrieved to be sent on the channel and, therefore, includes any interval that is caused by a delay in the putting applications. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SHORT_TERM_TRANSMIT_QUEUE_TIME` or `STXQTIME` (historical name), Short Term XmitQ Time (caption), `Short_Term_Transmit_Queue_Time` (attribute name), and `STXQTIME` (column name).

SSL Key Count

The number of successful SSL secret key resets that occurred for this channel instance since the channel starts. The type is integer (32-bit counter) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SSL_KEY_RESET_COUNT` or `SSLRKEYS` (historical name), SSL Key Count (caption), `SSL_Key_Reset_Count` (attribute name), and `SSLRKEYS` (column name).

SSL Key Date & Time

The date and time of the previous successful SSL secret key reset. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SSL_KEY_RESET_DATE_AND_TIME` or `SSL_D_T` (historical name), SSL Key Date & Time (caption), `SSL_Key_Reset_Date_and_Time` (attribute name), and `SSL_D_T` (column name).

Start Date & Time

The start date and time of the sample. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `START_DATE_AND_TIME` or `CHSDAT_TIM` (historical name), Start Date & Time (caption), `Start_Date_and_Time` (attribute name), and `CHSDAT_TIM` (column name).

User Stop Request

Indicates whether user stop request is outstanding. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Stop Not Requested (0), Stop Requested (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `USER_STOP_REQUEST` or `STOPREQ` (historical name), User Stop Request (caption), `User_Stop_Request` (attribute name), and `STOPREQ` (column name).

XmitQ Messages Available

The number of messages that are available. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute:

`TRANSMISSION_QUEUE_MESSAGES_AVAILABLE` or `XQMSGSA` (historical name), XmitQ Messages Available (caption), `Transmission_Queue_Messages_Available` (attribute name), and `XQMSGSA` (column name).

Channel Short-Term History data set

The Channel Short-Term History attributes provide channel performance information for each monitored channel within a queue manager. These attributes are informational only; they cannot be used to create situations. This data is collected at five-minute intervals.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Batches Complete

The number of logical units of work (LUWs) this channel has processed since it is initialized. This attribute is not available for CICS channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `BATCHES_COMPLETE` or `CHBATCMP` (historical name), Batches Complete (caption), `Batches_Complete` (attribute name), and `CHBATCMP` (column name).

Buffers Received

The total number of buffers received during the current interval or aggregation period. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `BUFFERS_RECEIVED` or `CHABURCV` (historical name), Buffers Received (caption), `Buffers_Received` (attribute name), and `CHABURCV` (column name).

Buffers Sent

The total number of buffers sent during the current interval or aggregation period. The valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `BUFFERS_SENT` or `CHABUSNT` (historical name), Buffers Sent (caption), `Buffers_Sent` (attribute name), and `CHABUSNT` (column name).

Bytes Received

The total number of bytes that are received during the current interval or aggregation period. The type is integer (64-bit numeric property).

The following names are defined for this attribute: `BYTES_RECEIVED_64BIT` or `CHBYRV_C64` (historical name), Bytes Received (caption), `Bytes_Received_64bit` (attribute name), and `CHBYRV_C64` (column name).

Bytes Received (Deprecated)

The total number of bytes received during the current interval or aggregation period. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `BYTES_RECEIVED` or `CHABYRCV` (historical name), Bytes Received (Deprecated) (caption), `Bytes_Received` (attribute name), and `CHABYRCV` (column name).

Bytes Sent

The total number of bytes that are sent during the current interval or aggregation period. The type is integer (64-bit numeric property).

The following names are defined for this attribute: `BYTES_SENT_64BIT` or `CHBYST_C64` (historical name), Bytes Sent (caption), `Bytes_Sent_64bit` (attribute name), and `CHBYST_C64` (column name).

Bytes Sent (Deprecated)

The total number of bytes sent during the current interval or aggregation period. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `BYTES_SENT` or `CHABYSNT` (historical name), Bytes Sent (Deprecated) (caption), `Bytes_Sent` (attribute name), and `CHABYSNT` (column name).

Channel Name

The name of this channel. The type is string.

The following names are defined for this attribute: `CHANNEL_NAME` or `CHNAME` (historical name), Channel Name (caption), `Channel_Name` (attribute name), and `CHNAME` (column name).

Channel Status

The current operational status of the channel (Starting, Binding, Running, Retrying, Requesting, Paused, Initializing, In-Doubt, Inactive, Stopping, Stopped, or Unknown). "n/a" means the channel is not currently active (thus no short-term history data is available) but has been active in the recent past (thus long-term history data is available). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), Binding (1), Starting (2), Running (3), Stopping (4), Retrying (5), Stopped (6), Requesting (7), Paused (8), Initializing (13), Switching (14), Inactive (101), Conn Not Def (200), Out Service (201), Going Out (202), Released (203), Obtaining (204), Acquired (205), Freeing (206), Available (207), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `CHANNEL_STATUS` or `CHSTATUS` (historical name), Channel Status (caption), `Channel_Status` (attribute name), and `CHSTATUS` (column name).

Channel Type

The type assigned to the channel (SDR for sender, SVR for server, RCVR for receiver, RQSTR for requester, CLNTCONN for client connection, SVRCONN for server connection, CLUSRCVR for cluster receiver, or CLUSSDR for cluster sender) when it was created. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), SDR (1), SVR (2), RCVR (3), RQSTR (4), CLNTCONN (6), SVRCONN (7), CLUSRCVR (8), CLUSSDR (9). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `CHANNEL_TYPE` or `CHTYPE` (historical name), Channel Type (caption), `Channel_Type` (attribute name), and `CHTYPE` (column name).

Connection Name

The name of the physical or logical connection that this channel uses to transmit or receive data. This name is formed from the connection type (IP for TCP/IP, LU for LU6. 2, or NETBIOS) and the connection address. If multiple connections are configured for the channel, this attribute is displayed as a comma separated list of system names. The type is string.

The following names are defined for this attribute: `CONNECTION_NAME` or `CHCONNAM` (historical name), Connection Name (caption), `Connection_Name` (attribute name), and `CHCONNAM` (column name).

Cur Defn

Whether the queue or channel is currently defined on the monitored queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENTLY_DEFINED or CHDEFSTATE (historical name), Cur Defn (caption), Currently_Defined (attribute name), and CHDEFSTATE (column name).

CurBatch LUW ID

The identifier assigned to the current logical unit of work (LUW). If a sender channel is in doubt, this is the problem batch. This attribute is not available for CICS channels. The type is string.

The following names are defined for this attribute: CURRENT_BATCH_LUW_ID or CHCURLUWID (historical name), CurBatch LUW ID (caption), Current_Batch_LUW_ID (attribute name), and CHCURLUWID (column name).

CurBatch Messages

The number of messages processed so far for the current logical unit of work (LUW). If a sender channel is in doubt, this is the number of messages currently in doubt. This attribute is not available for CICS channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CURRENT_BATCH_MESSAGES or CHCURMSGGS (historical name), CurBatch Messages (caption), Current_Batch_Messages (attribute name), and CHCURMSGGS (column name).

CurMsg SeqNo

The number of the last message sent for the logical unit of work (LUW) that the in-doubt channel is currently processing. This attribute is not available for CICS channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CURRENT_MESSAGE_SEQUENCE_NUMBER or CHCURSEQNO (historical name), CurMsg SeqNo (caption), Current_Message_Sequence_Number (attribute name), and CHCURSEQNO (column name).

Current Action State

The current action being performed by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Other (0), End Of Batch (100), Sending (200), Receiving (300), Serializing (400), Resynching (500), Heartbeating (600), Security exit (700), Receive exit (800), Sending exit (900), Message exit (1000), Retry exit (1100), Channel definition exit (1200), Net connection (1250), SSL hand shaking (1300), Name server (1400), MQPut (1500), MQGet (1600), MQI Call (1700), Compressing (1800). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENT_ACTION_STATE or SUBSTATE (historical name), Current Action State (caption), Current_Action_State (attribute name), and SUBSTATE (column name).

Default Header Compression

The header data compression default techniques supported by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_HEADER_COMPRESSION_VALUE or DFTCOMPHDR (historical name), Default Header Compression (caption), Default_Header_Compression_Value (attribute name), and DFTCOMPHDR (column name).

Default Message Compression

The message data compression default techniques supported by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_MESSAGE_COMPRESSION_VALUE or DFTCOMMSG (historical name), Default Message Compression (caption), Default_Message_Compression_Value (attribute name), and DFTCOMMSG (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

In-Doubt Status

Whether this channel is in doubt. A channel is considered in doubt when a logical unit of work (LUW) has been sent and the channel is waiting for an acknowledgment that the LUW has been successfully received (in other words, when a syncpoint has been requested but not yet performed). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: IN-DOUBT_STATUS or CHINDOUBT (historical name), In-Doubt Status (caption), In-Doubt_Status (attribute name), and CHINDOUBT (column name).

Interval Time

The size of the current sampling interval, in hundredths of seconds. For example, . 50 is half a second. This value is determined by the control parameters your site set when configuring the monitoring agent; it is usually specified as 60. 00 (60 seconds). The type is real number (32-bit numeric property) with two decimal places of precision.

The following names are defined for this attribute: INTERVAL_TIME or INT_TIME (historical name), Interval Time (caption), Interval_Time (attribute name), and INT_TIME (column name).

Last Header Compression

The header data compression last techniques supported by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_HEADER_COMPRESSION_VALUE or LSTCOMHDR (historical name), Last Header Compression (caption), Last_Header_Compression_Value (attribute name), and LSTCOMHDR (column name).

Last Message Compression

The message data compression last techniques supported by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_MESSAGE_COMPRESSION_VALUE or LSTCOMMSG (historical name), Last Message Compression (caption), Last_Message_Compression_Value (attribute name), and LSTCOMMSG (column name).

Last Send Date & Time

The date and time the last message was sent to the current channel/connection name combination. This attribute is not available for CICS channels. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_MESSAGE_DATE_AND_TIME or CHLM_DTTM (historical name), Last Send Date & Time (caption), Last_Message_Date_and_Time (attribute name), and CHLM_DTTM (column name).

Local Address

The local communication address for the channel. The value returned depends on the TRPRYPE value of the channel (currently only TCP/IP is supported). The type is string.

The following names are defined for this attribute: LOCAL_COMMUNICATIONS_ADDRESS or LOCLADDR (historical name), Local Address (caption), Local_Communications_Address (attribute name), and LOCLADDR (column name).

Long Term Batch Size

Indicates the long term number of messages in a batch. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_RECENT_BATCH_SIZE or LTBACHZ (historical name), Long Term Batch Size (caption), Long_Term_Recent_Batch_Size (attribute name), and LTBACHZ (column name).

Long Term Compression Rate

Long-term compression rate achieved to the nearest percentage. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_COMPRESSION_RATE or LTCOMPRATE (historical name), Long Term Compression Rate (caption), Long_Term_Compression_Rate (attribute name), and LTCOMPRATE (column name).

Long Term Compression Time

Long-term amount of time per message, displayed in microseconds, spent during compression or decompression. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_COMPRESSION_TIME or LTCOMPTIME (historical name), Long Term Compression Time (caption), Long_Term_Compression_Time (attribute name), and LTCOMPTIME (column name).

Long Term Exit Time

Long-term time taken executing user exits per message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_EXIT_TIME or LTEXITTIME (historical name), Long Term Exit Time (caption), Long_Term_Exit_Time (attribute name), and LTEXITTIME (column name).

Long Term Net Time

Long-term time of a network operation. The amount of time, in microseconds, to send a request to the remote end of the channel and receive a response. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_NET_TIME or LTNETTIME (historical name), Long Term Net Time (caption), Long_Term_Net_Time (attribute name), and LTNETTIME (column name).

Long Term XmitQ Time

Indicates the long-term transmission queue time. The time, in microseconds, that messages remained on the transmission queue before being retrieved. The time is measured from when the

message is put onto the transmission queue until it is retrieved to be sent on the channel and, therefore, includes any interval caused by a delay in the putting applications. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_TRANSMIT_QUEUE_TIME or LTXQTIME (historical name), Long Term XmitQ Time (caption), Long_Term_Transmit_Queue_Time (attribute name), and LTXQTIME (column name).

LUW Last Committed

The identifier of the last-committed logical unit of work (LUW). The type is string.

The following names are defined for this attribute: LUW_ID_LAST_COMMITTED or CHLSTLUWID (historical name), LUW Last Committed (caption), LUW_ID_Last_Committed (attribute name), and CHLSTLUWID (column name).

MCA Job Name

Specifies the MCA job name string that is associated with a channel that uniquely identifies that channel. This name is provided to differentiate (along with Connection Name) between multiple active channel connections that can be defined to the same queue manager. The type is string.

The following names are defined for this attribute: MCA_JOB_NAME or MCAJOBNM (historical name), MCA Job Name (caption), MCA_Job_Name (attribute name), and MCAJOBNM (column name).

MCA Status

The status of the message channel agent. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Stopped (0), Running (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MCA_STATUS or MCASTAT (historical name), MCA Status (caption), MCA_Status (attribute name), and MCASTAT (column name).

Message Count

The number of messages sent or received on this channel during the current interval or aggregation period. For the Interval Summary row in the Recent Channel report, this count is the sum of all the message counts in the subsequent rows. This attribute is not available for CICS channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MESSAGE_COUNT or CHMSGS (historical name), Message Count (caption), Message_Count (attribute name), and CHMSGS (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

QMgr Name

The name assigned to this queue manager. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Remote Partner Application Name

The name of the client application at the remote end of the channel. This attribute applies only to server-connection channels. The type is string.

The following names are defined for this attribute: REMOTE_PARTNER_APPLICATION_NAME or RAPPLTAG (historical name), Remote Partner Application Name (caption), Remote_Partner_Application_Name (attribute name), and RAPPLTAG (column name).

Remote Qmgr Name

The name assigned to the queue manager or queue sharing group of the remote system. This parameter does not apply to server-connection channels, where no values are returned. The type is string.

The following names are defined for this attribute: REMOTE_QMGR_NAME or RQMNAME (historical name), Remote Qmgr Name (caption), Remote_Qmgr_Name (attribute name), and RQMNAME (column name).

Sample Date & Time

The date and time of the sample. The type is timestamp.

The following names are defined for this attribute: SAMPLE_DATE_AND_TIME or SDATE_TIME (historical name), Sample Date & Time (caption), Sample_Date_and_Time (attribute name), and SDATE_TIME (column name).

SeqNo Last Committed

The number of the last-committed message within the last-committed logical unit of work (LUW). The type is integer (32-bit numeric property).

The following names are defined for this attribute: SEQUENCE_NUMBER_LAST_COMMITTED or CHLSTSEQNO (historical name), SeqNo Last Committed (caption), Sequence_Number_Last_Committed (attribute name), and CHLSTSEQNO (column name).

Short Term Batch Size

Indicates the short-term number of messages in a batch. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_RECENT_BATCH_SIZE or STBACHZ (historical name), Short Term Batch Size (caption), Short_Term_Recent_Batch_Size (attribute name), and STBACHZ (column name).

Short Term Compression Rate

Short-term compression rate achieved to the nearest percentage. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_COMPRESSION_RATE or STCOMPRATE (historical name), Short Term Compression Rate (caption), Short_Term_Compression_Rate (attribute name), and STCOMPRATE (column name).

Short Term Compression Time

Short-term amount of time per message, displayed in microseconds, spent during compression or decompression. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_COMPRESSION_TIME or STCOMPTIME (historical name), Short Term Compression Time (caption), Short_Term_Compression_Time (attribute name), and STCOMPTIME (column name).

Short Term Exit Time

Short-term time taken executing user exits per message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_EXIT_TIME or STEXITTIME (historical name), Short Term Exit Time (caption), Short_Term_Exit_Time (attribute name), and STEXITTIME (column name).

Short Term Net Time

Short-term time of a network operation. The amount of time (in microseconds) to send a request

to the remote end of the channel and receive a response. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SHORT_TERM_NET_TIME` or `STNETTIME` (historical name), Short Term Net Time (caption), `Short_Term_Net_Time` (attribute name), and `STNETTIME` (column name).

Short Term XmitQ Time

Short-term transmission queue time. The time, in microseconds, that messages remained on the transmission queue before being retrieved. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SHORT_TERM_TRANSMIT_QUEUE_TIME` or `STXQTIME` (historical name), Short Term XmitQ Time (caption), `Short_Term_Transmit_Queue_Time` (attribute name), and `STXQTIME` (column name).

SSL Key Count

The number of successful SSL secret key resets that occurred for this channel instance since the channel started. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SSL_KEY_RESET_COUNT` or `SSLRKEYS` (historical name), SSL Key Count (caption), `SSL_Key_Reset_Count` (attribute name), and `SSLRKEYS` (column name).

SSL Key Date & Time

The date and time of the previous successful SSL secret key reset. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SSL_KEY_RESET_DATE_AND_TIME` or `SSL_D_T` (historical name), SSL Key Date & Time (caption), `SSL_Key_Reset_Date_and_Time` (attribute name), and `SSL_D_T` (column name).

Start Date & Time

Start date and time of the sample. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `START_DATE_AND_TIME` or `CHSDAT_TIM` (historical name), Start Date & Time (caption), `Start_Date_and_Time` (attribute name), and `CHSDAT_TIM` (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: `TIMESTAMP` (historical name), Timestamp (caption), `Timestamp` (attribute name), and `TIMESTAMP` (column name).

Transmit KB/Sec

The transmission rate (in kilobytes per second) over the latest interval. This attribute is not available for CICS channels. The type is real number (32-bit numeric property) with two decimal places of precision.

The following names are defined for this attribute: `TRANSMIT_KILOBYTES_PER_SECOND` or `CHRATE` (historical name), Transmit KB/Sec (caption), `Transmit_Kilobytes_per_Second` (attribute name), and `CHRATE` (column name).

User Stop Request

Indicates whether user stop request is outstanding. The type is integer (32-bit numeric property)

with enumerated values. The following values are defined: n/a (-1), Stop Not Requested (0), Stop Requested (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `USER_STOP_REQUEST` or `STOPREQ` (historical name), User Stop Request (caption), `User_Stop_Request` (attribute name), and `STOPREQ` (column name).

XmitQ Depth

The number (that is, depth) of messages on the transmission queue associated with this channel. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `TRANSMISSION_QUEUE_DEPTH` or `CHXMITQD` (historical name), XmitQ Depth (caption), `Transmission_Queue_Depth` (attribute name), and `CHXMITQD` (column name).

XmitQ Messages Available

The number of messages available. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `TRANSMISSION_QUEUE_MESSAGES_AVAILABLE` or `XQMSGSA` (historical name), XmitQ Messages Available (caption), `Transmission_Queue_Messages_Available` (attribute name), and `XQMSGSA` (column name).

Channel Statistics data set

The Channel Statistics attributes provide channel performance information for each monitored channel within a queue manager. This data is collected at five-minute intervals.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Batches Complete

The number of logical units of work (LUWs) that this channel processed since it was initialized. This attribute is not available for CICS channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `BATCHES_COMPLETE` or `CHBATCMP` (historical name), Batches Complete (caption), `Batches_Complete` (attribute name), and `CHBATCMP` (column name).

Buffers Received

The total number of buffers that are received during the current interval or aggregation period. The valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `BUFFERS_RECEIVED` or `CHABURCV` (historical name), Buffers Received (caption), `Buffers_Received` (attribute name), and `CHABURCV` (column name).

Buffers Sent

The total number of buffers that are sent during the current interval or aggregation period. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `BUFFERS_SENT` or `CHABUSNT` (historical name), Buffers Sent (caption), `Buffers_Sent` (attribute name), and `CHABUSNT` (column name).

Bytes Received

The total number of buffers that are received during the current interval or aggregation period. The valid format is an integer. The type is integer (64-bit numeric property).

The following names are defined for this attribute: BYTES_RECEIVED_64BIT or CHBYRV_C64 (historical name), Bytes Received (caption), Bytes_Received_64bit (attribute name), and CHBYRV_C64 (column name).

Bytes Received (Deprecated)

The total number of bytes that are received during the current interval or aggregation period. The valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: BYTES_RECEIVED or CHABYRCV (historical name), Bytes Received (Deprecated) (caption), Bytes_Received (attribute name), and CHABYRCV (column name).

Bytes Sent

The total number of buffers that are sent during the current interval or aggregation period. The type is integer (64-bit numeric property).

The following names are defined for this attribute: BYTES_SENT_64BIT or CHBYST_C64 (historical name), Bytes Sent (caption), Bytes_Sent_64bit (attribute name), and CHBYST_C64 (column name).

Bytes Sent (Deprecated)

The total number of bytes that are sent during the current interval or aggregation period. The type is integer (32-bit numeric property).

The following names are defined for this attribute: BYTES_SENT or CHABYSNT (historical name), Bytes Sent (Deprecated) (caption), Bytes_Sent (attribute name), and CHABYSNT (column name).

Channel Name

The name of this channel. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: CHANNEL_NAME or CHNAME (historical name), Channel Name (caption), Channel_Name (attribute name), and CHNAME (column name).

Channel Status

The current operational status of the channel. n/a means the channel is not currently active (thus no short-term history data is available) but was active in the recent past (thus long-term history data is available). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), Binding (1), Starting (2), Running (3), Stopping (4), Retrying (5), Stopped (6), Requesting (7), Paused (8), Initializing (13), Switching (14), Inactive (101), Conn Not Def (200), Out Service (201), Going Out (202), Released (203), Obtaining (204), Acquired (205), Freeing (206), Available (207), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_STATUS or CHSTATUS (historical name), Channel Status (caption), Channel_Status (attribute name), and CHSTATUS (column name).

Channel Type

The type that is assigned to the channel when it is created. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), SDR (1), SVR (2), RCVR (3), RQSTR (4), CLNTCONN (6), SVRCONN (7), CLUSRCVR (8), CLUSSDR (9). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_TYPE or CHTYPE (historical name), Channel Type (caption), Channel_Type (attribute name), and CHTYPE (column name).

Completed Retry Time

The time in seconds for all completed retry intervals after the channel goes into a retry state. This does not indicate elapsed time because it only includes the interval time up to the last completed retry interval. This value includes both short and long retry intervals. The type is integer (32-bit numeric property).

The following names are defined for this attribute: COMPLETED_RETRY_TIME or TIMRETRY (historical name), Completed Retry Time (caption), Completed_Retry_Time (attribute name), and TIMRETRY (column name).

Connection Name

The name of the physical or logical connection that this channel uses to transmit or receive data. This name is formed from the connection type (IP for TCP/IP, LU for LU6. 2, or NETBIOS) and the connection address. This is the name of a currently active connection. One channel might have more than one active connection simultaneously. The valid format is an alphanumeric string of up to 264 case-sensitive characters. If multiple connections are configured for the channel, this attribute is displayed as a comma separated list of names of systems for the stated Transport Type attribute. The type is string.

The following names are defined for this attribute: CONNECTION_NAME or CHCONNAM (historical name), Connection Name (caption), Connection_Name (attribute name), and CHCONNAM (column name).

Cur Defn

Indicates whether the queue or channel is currently defined on the monitored queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENTLY_DEFINED or CHDEFSTATE (historical name), Cur Defn (caption), Currently_Defined (attribute name), and CHDEFSTATE (column name).

CurBatch LUW ID

The identifier that is assigned to the current logical unit of work (LUW). If a sender channel is in doubt, this is the problem batch. This attribute is not available for CICS channels. The type is string.

The following names are defined for this attribute: CURRENT_BATCH_LUW_ID or CHCURLUWID (historical name), CurBatch LUW ID (caption), Current_Batch_LUW_ID (attribute name), and CHCURLUWID (column name).

CurBatch Messages

The number of messages that are processed for the current logical unit of work (LUW). If a sender channel is in doubt, this is the number of messages currently in doubt. This attribute is not available for CICS channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CURRENT_BATCH_MESSAGES or CHCURMSGS (historical name), CurBatch Messages (caption), Current_Batch_Messages (attribute name), and CHCURMSGS (column name).

CurMsg SeqNo

The number of the last message that is sent for the logical unit of work (LUW) that the in-doubt channel is currently processing. This attribute is not available for CICS channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CURRENT_MESSAGE_SEQUENCE_NUMBER or CHCURSEQNO (historical name), CurMsg SeqNo (caption), Current_Message_Sequence_Number (attribute name), and CHCURSEQNO (column name).

Current Action State

The current action that is being performed by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Other (0), End Of Batch (100), Sending (200), Receiving (300), Serializing (400), Resynching (500), Heartbeating (600), Security exit (700), Receive exit (800), Sending exit (900), Message exit (1000), Retry exit (1100), Channel definition exit (1200), Net connection (1250), SSL hand shaking (1300), Name server

(1400), MQPut (1500), MQGet (1600), MQI Call (1700), Compressing (1800). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENT_ACTION_STATE or SUBSTATE (historical name), Current Action State (caption), Current_Action_State (attribute name), and SUBSTATE (column name).

Default Header Compression

The default techniques for header data compression that are supported by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_HEADER_COMPRESSION_VALUE or DFTCOMPHDR (historical name), Default Header Compression (caption), Default_Header_Compression_Value (attribute name), and DFTCOMPHDR (column name).

Default Message Compression

The default techniques for message data compression that are supported by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_MESSAGE_COMPRESSION_VALUE or DFTCOMMSG (historical name), Default Message Compression (caption), Default_Message_Compression_Value (attribute name), and DFTCOMMSG (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

In-Doubt Status

Indicates whether this channel is in doubt. A channel is considered in doubt when a logical unit of work (LUW) was sent and the channel is waiting for an acknowledgment that the LUW was successfully received. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: IN-DOUBT_STATUS or CHINDOUBT (historical name), In-Doubt Status (caption), In-Doubt_Status (attribute name), and CHINDOUBT (column name).

Interval Time

The size of the current sampling interval, in hundredths of seconds. For example, .50 is half a second. This value is determined by the control parameters your site set when configuring the monitoring agent; it is usually specified as 60 (60 seconds). The type is real number (32-bit numeric property) with two decimal places of precision.

The following names are defined for this attribute: INTERVAL_TIME or INT_TIME (historical name), Interval Time (caption), Interval_Time (attribute name), and INT_TIME (column name).

Last Header Compression

The last techniques for header data compression that are supported by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_HEADER_COMPRESSION_VALUE or LSTCOMHDR (historical name), Last Header Compression (caption), Last_Header_Compression_Value (attribute name), and LSTCOMHDR (column name).

Last Message Compression

The last techniques for message data compression that are supported by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_MESSAGE_COMPRESSION_VALUE or LSTCOMMSG (historical name), Last Message Compression (caption), Last_Message_Compression_Value (attribute name), and LSTCOMMSG (column name).

Last Send Date & Time

The date and time that the last message was sent to the current channel/connection name combination. This attribute is not available for CICS channels. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_MESSAGE_DATE_AND_TIME or CHLM_DTTM (historical name), Last Send Date & Time (caption), Last_Message_Date_and_Time (attribute name), and CHLM_DTTM (column name).

Local Address

The local communications address for the channel. The value returned depends on the TRPRYPE of the channel (currently only TCP/IP is supported). The type is string.

The following names are defined for this attribute: LOCAL_COMMUNICATIONS_ADDRESS or LOCLADDR (historical name), Local Address (caption), Local_Communications_Address (attribute name), and LOCLADDR (column name).

Long Retries

The number of long retry intervals that were completed since the channel went into retry state due to a connection failure. The maximum number of long retries is defined during channel definition using the LONGRTY keyword. The time interval in seconds for long retries is defined during channel definition using the LONGTMR keyword. The monitoring agent attempts long retries after the channel reaches the maximum number of short retry attempts for the channel. The valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: LONG_RETRIES or LNGRETRY (historical name), Long Retries (caption), Long_Retries (attribute name), and LNGRETRY (column name).

Long Term Batch Size

The long-term number of messages in a batch. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_RECENT_BATCH_SIZE or LTBACHZ (historical name), Long Term Batch Size (caption), Long_Term_Recent_Batch_Size (attribute name), and LTBACHZ (column name).

Long Term Compression Rate

Long term compression rate that is achieved to the nearest percentage. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_COMPRESSION_RATE or LTCOMPRATE (historical name), Long Term Compression Rate (caption), Long_Term_Compression_Rate (attribute name), and LTCOMPRATE (column name).

Long Term Compression Time

Long term amount of time per message, in microseconds, spent during compression or decompression. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_COMPRESSION_TIME or LTCOMPTIME (historical name), Long Term Compression Time (caption), Long_Term_Compression_Time (attribute name), and LTCOMPTIME (column name).

Long Term Exit Time

Long term amount of time per message, in microseconds, spent during executing user exits. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_EXIT_TIME or LTEXTTIME (historical name), Long Term Exit Time (caption), Long_Term_Exit_Time (attribute name), and LTEXTTIME (column name).

Long Term Net Time

Long term time of a network operation. The amount of time, in microseconds, to send a request to the remote end of the channel and receive a response. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_NET_TIME or LTNETTIME (historical name), Long Term Net Time (caption), Long_Term_Net_Time (attribute name), and LTNETTIME (column name).

Long Term XmitQ Time

Long term transmission queue time. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_TRANSMIT_QUEUE_TIME or LTXQTIME (historical name), Long Term XmitQ Time (caption), Long_Term_Transmit_Queue_Time (attribute name), and LTXQTIME (column name).

LUW Last Committed

The identifier of the last-committed logical unit of work (LUW). The type is string.

The following names are defined for this attribute: LUW_ID_LAST_COMMITTED or CHLSTLUWID (historical name), LUW Last Committed (caption), LUW_ID_Last_Committed (attribute name), and CHLSTLUWID (column name).

MCA Job Name

The MCA job name string that is associated with a channel that uniquely identifies that channel. This is not a user-friendly name, but it is provided to differentiate (along with Connection Name) between multiple active channel connections that can be defined to the same queue manager. The type is string.

The following names are defined for this attribute: MCA_JOB_NAME or MCAJOBNM (historical name), MCA Job Name (caption), MCA_Job_Name (attribute name), and MCAJOBNM (column name).

MCA Status

The status of the message channel agent. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Stopped (0), Running (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MCA_STATUS or MCASTAT (historical name), MCA Status (caption), MCA_Status (attribute name), and MCASTAT (column name).

Message Count

The number of messages that are sent or received on this channel during the current interval or aggregation period. For the Interval Summary row in the Recent Channel report, this count is the sum of all the message counts in the subsequent rows. This attribute is not available for CICS channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MESSAGE_COUNT or CHMSGS (historical name), Message Count (caption), Message_Count (attribute name), and CHMSGS (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

QSG Disp

Not applicable to the current monitoring agent. Indicates the disposition of the channel in a queue-sharing group environment. This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), Qmgr (0), Copy (1), Group (3), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QSG_DISPOSITION or QSGDISP (historical name), QSG Disp (caption), QSG_Disposition (attribute name), and QSGDISP (column name).

QSG Name

Not applicable to the current monitoring agent. The name of the queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: QSG_NAME or QSGNAME (historical name), QSG Name (caption), QSG_Name (attribute name), and QSGNAME (column name).

Remote Partner Application Name

Name of the client application at the remote end of the channel. This parameter applies only to server-connection channels. The type is string.

The following names are defined for this attribute: REMOTE_PARTNER_APPLICATION_NAME or RAPPLTAG (historical name), Remote Partner Application Name (caption), Remote_Partner_Application_Name (attribute name), and RAPPLTAG (column name).

Remote Qmgr Name

The queue manager name or queue sharing group name of the remote system, or the remote partner application name of a server-connection channel if the server-connection channel exists. The type is string.

The following names are defined for this attribute: REMOTE_QMGR_NAME or RQMNAME (historical name), Remote Qmgr Name (caption), Remote_Qmgr_Name (attribute name), and RQMNAME (column name).

SeqNo Last Committed

The number of the last-committed message within the last-committed logical unit of work (LUW). The type is integer (32-bit numeric property).

The following names are defined for this attribute: SEQUENCE_NUMBER_LAST_COMMITTED or CHLSTSEQNO (historical name), SeqNo Last Committed (caption), Sequence_Number_Last_Committed (attribute name), and CHLSTSEQNO (column name).

Short Retries

The number of short retry intervals that complete after the channel goes into a retry state because of a connection failure. The maximum number of short retries is defined during channel definition using the SHORTRTY keyword. The time interval in seconds for short retries is defined during channel definition using the SHORTTMR keyword. The type is integer (32-bit numeric property).

The following names are defined for this attribute: SHORT_RETRIES or SHTRETRY (historical name), Short Retries (caption), Short_Retries (attribute name), and SHTRETRY (column name).

Short Term Batch Size

Indicates the short-term number of messages in a batch. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_RECENT_BATCH_SIZE or STBACHZ (historical name), Short Term Batch Size (caption), Short_Term_Recent_Batch_Size (attribute name), and STBACHZ (column name).

Short Term Compression Rate

Short-term compression rate that is achieved to the nearest percentage. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_COMPRESSION_RATE or STCOMPRATE (historical name), Short Term Compression Rate (caption), Short_Term_Compression_Rate (attribute name), and STCOMPRATE (column name).

Short Term Compression Time

Short-term amount of time per message, in microseconds, spent during compression or decompression. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_COMPRESSION_TIME or STCOMPTIME (historical name), Short Term Compression Time (caption), Short_Term_Compression_Time (attribute name), and STCOMPTIME (column name).

Short Term Exit Time

Short-term amount of time per message, displayed in microseconds, spent during executing user exits. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_EXIT_TIME or STEXITTIME (historical name), Short Term Exit Time (caption), Short_Term_Exit_Time (attribute name), and STEXITTIME (column name).

Short Term Net Time

Short-term time of a network operation. The amount of time (in microseconds) to send a request to the remote end of the channel and receive a response. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_NET_TIME or STNETTIME (historical name), Short Term Net Time (caption), Short_Term_Net_Time (attribute name), and STNETTIME (column name).

Short Term XmitQ Time

Short-term transmission queue time. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_TRANSMIT_QUEUE_TIME or STXQTIME (historical name), Short Term XmitQ Time (caption), Short_Term_Transmit_Queue_Time (attribute name), and STXQTIME (column name).

SSL Key Count

The number of successful SSL secret key resets that occurred for this channel instance since the channel started. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SSL_KEY_RESET_COUNT or SSLRKEYS (historical name), SSL Key Count (caption), SSL_Key_Reset_Count (attribute name), and SSLRKEYS (column name).

SSL Key Date & Time

The date and time of the previous successful SSL secret key reset. Standard 16-character date/time format (CYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SSL_KEY_RESET_DATE_AND_TIME or SSL_D_T (historical name), SSL Key Date & Time (caption), SSL_Key_Reset_Date_and_Time (attribute name), and SSL_D_T (column name).

Start Date & Time

The start date and time of the sample. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: START_DATE_AND_TIME or CHSDAT_TIM (historical name), Start Date & Time (caption), Start_Date_and_Time (attribute name), and CHSDAT_TIM (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Transmit KB/Sec

The transmission rate (in kilobytes per second) over the latest interval. This attribute is not available for CICS channels. The type is real number (32-bit numeric property) with two decimal places of precision.

The following names are defined for this attribute: TRANSMIT_KILOBYTES_PER_SECOND or CHRATE (historical name), Transmit KB/Sec (caption), Transmit_Kilobytes_per_Second (attribute name), and CHRATE (column name).

Transport Type

The transmission type. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: LOCAL (0), LU62 (1), TCP (2), NETBIOS (3), SPX (4), DECNET (5), UDP (6), CICS (100). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRANSPORT_TYPE or CHTRTYPE (historical name), Transport Type (caption), Transport_Type (attribute name), and CHTRTYPE (column name).

User Stop Request

Indicates whether user stop request is outstanding. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Stop Not Requested (0), Stop Requested (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: USER_STOP_REQUEST or STOPREQ (historical name), User Stop Request (caption), User_Stop_Request (attribute name), and STOPREQ (column name).

XmitQ Depth

The number of messages on the transmission queue that is associated with this channel. The type is integer (32-bit numeric property).

The following names are defined for this attribute: TRANSMISSION_QUEUE_DEPTH or CHXMITQD (historical name), XmitQ Depth (caption), Transmission_Queue_Depth (attribute name), and CHXMITQD (column name).

XmitQ Messages Available

The number of messages that are queued on the transmission queue and available to the channel for the MQGET call. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRANSMISSION_QUEUE_MESSAGES_AVAILABLE or XQMSGSA (historical name), XmitQ Messages Available (caption), Transmission_Queue_Messages_Available (attribute name), and XQMSGSA (column name).

XmitQ Name

The name of the transmit queue. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: TRANSMISSION_QUEUE_NAME or CHXMITQN (historical name), XmitQ Name (caption), Transmission_Queue_Name (attribute name), and CHXMITQN (column name).

Channel Status data set

The Channel Status attributes provide channel status information for each monitored channel within a queue manager. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values. A data sample is sent to the server every minute and is maintained for 8 days by default.

The attributes shown in *italic* are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Channel Name

Name of the channel. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: CHANNEL_NAME or CHNAME (historical name), *Channel Name* (caption), Channel_Name (attribute name), and CHNAME (column name).

Channel Status

Status of the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Binding (1), Starting (2), Running (3), Stopping (4), Retrying (5), Stopped (6), Requesting (7), Paused (8), Initializing (13), Switching (14). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_STATUS or STATUS (historical name), *Channel Status* (caption), Channel_Status (attribute name), and STATUS (column name).

Channel Type

Type of the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Sender (1), Server (2), Receiver (3), Requester (4), Client-connection (6), Server-connection (7), Cluster-receiver (8), Cluster-sender (9). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_TYPE or CHLTYPE (historical name), *Channel Type* (caption), Channel_Type (attribute name), and CHLTYPE (column name).

Connection Name

Name of the connection. This is the connection name that is obtained using the MQSC DIS CHS command (see MQ documentation for further information about this command). The type is string.

The following names are defined for this attribute: CONNECTION_NAME or CONNAM (historical name), *Connection Name* (caption), Connection_Name (attribute name), and CONNAM (column name).

CurBatch Messages

Number of messages that are in doubt. For a sending channel, this is the number of messages that are sent in the current batch. It is incremented as each message is sent, and when the channel becomes in doubt, it is the number of messages that are in doubt. For a receiving channel, it is the number of messages that are received in the current batch. It is incremented as each message is received. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENT_BATCH_MESSAGES or CURMSGS (historical name), *CurBatch Messages* (caption), Current_Batch_Messages (attribute name), and CURMSGS (column name).

In-Doubt Status

Whether the channel is currently in doubt. A sending channel is in doubt only when the sending MCA is waiting for an acknowledgment that a batch of messages, which it sent, was successfully received. It is not in doubt at all other times, including the period during which messages are being sent, but before an acknowledgment is requested. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Not In-Doubt (0), In-Doubt (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: IN-DOUBT_STATUS or INDOUBT (historical name), *In-Doubt Status* (caption), In-Doubt_Status (attribute name), and INDOUBT (column name).

Last Message Date & Time

Date and time at which the last message is sent or MQI call is handled. Standard 16-character date/time format (CYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_MESSAGE_DATE_AND_TIME or LSTMSGDTM (historical name), *Last Message Date & Time* (caption), Last_Message_Date_and_Time (attribute name), and LSTMSGDTM (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

QMgr Name

Name of the queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), *QMgr Name* (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Remote Partner Application Name

Name of the client application at the remote end of the channel for server-connection channels. The type is string.

The following names are defined for this attribute: REMOTE_PARTNER_APPLICATION_NAME or RAPPLTAG (historical name), *Remote Partner Application Name* (caption), Remote_Partner_Application_Name (attribute name), and RAPPLTAG (column name).

Remote Qmgr Name

Name of the remote queue manager, or queue sharing group. The type is string.

The following names are defined for this attribute: REMOTE_QUEUE_MANAGER_NAME or RQMNAME (historical name), *Remote Qmgr Name* (caption), Remote_Queue_Manager_Name (attribute name), and RQMNAME (column name).

Start Date & Time

The date and time at which the channel is started. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: START_DATE_AND_TIME or CHSTADTTM (historical name), *Start Date & Time* (caption), Start_Date_and_Time (attribute name), and CHSTADTTM (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

XmitQ Messages Available

Number of messages on the transmission queue that are available to the channel for the MQGET call. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRANSMISSION_QUEUE_MESSAGES_AVAILABLE or XQMSGSA (historical name), *XmitQ Messages Available* (caption), Transmission_Queue_Messages_Available (attribute name), and XQMSGSA (column name).

XmitQ Name

Name of the transmission queue. The type is string.

The following names are defined for this attribute: TRANSMISSION_QUEUE_NAME or XMITQN (historical name), *XmitQ Name* (caption), Transmission_Queue_Name (attribute name), and XMITQN (column name).

Batch Size

Negotiated batch size. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BATCH_SIZE or BATCHSZ (historical name), Batch Size (caption), Batch_Size (attribute name), and BATCHSZ (column name).

Batches Complete

Number of complete batches. The type is integer (32-bit counter) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BATCHES_COMPLETE or BATCHES (historical name), Batches Complete (caption), Batches_Complete (attribute name), and BATCHES (column name).

Buffers Received

Number of buffers that are received. The type is integer (32-bit counter).

The following names are defined for this attribute: BUFFERS_RECEIVED or BUFSRCVD (historical name), Buffers Received (caption), Buffers_Received (attribute name), and BUFSRCVD (column name).

Buffers Sent

Number of buffers that are sent. The type is integer (32-bit counter).

The following names are defined for this attribute: BUFFERS_SENT or BUFSSSENT (historical name), Buffers Sent (caption), Buffers_Sent (attribute name), and BUFSSSENT (column name).

Bytes Received

Number of bytes received. The type is integer (64-bit counter).

The following names are defined for this attribute: BYTES_RECEIVED_64BIT or BTRVD_C64 (historical name), Bytes Received (caption), Bytes_Received_64bit (attribute name), and BTRVD_C64 (column name).

Bytes Received (Deprecated)

Number of bytes that are received. The type is integer (32-bit counter).

The following names are defined for this attribute: BYTES_RECEIVED or BYTSRCVD (historical name), Bytes Received (Deprecated) (caption), Bytes_Received (attribute name), and BYTSRCVD (column name).

Bytes Sent

Number of bytes sent. The type is integer (64-bit counter).

The following names are defined for this attribute: BYTES_SENT_64BIT or BYSENT_C64 (historical name), Bytes Sent (caption), Bytes_Sent_64bit (attribute name), and BYSENT_C64 (column name).

Bytes Sent (Deprecated)

Number of bytes that are sent. The type is integer (32-bit counter).

The following names are defined for this attribute: BYTES_SENT or BYTSSENT (historical name), Bytes Sent (Deprecated) (caption), Bytes_Sent (attribute name), and BYTSSENT (column name).

Channel Disp

Not applicable to the current monitoring agent. Disposition of channel on a z/OS system. This attribute is for z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), All (-1), Private (4), Shared (2), FixShared (5). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_DISPOSITION or CHLDISP (historical name), Channel Disp (caption), Channel_Disposition (attribute name), and CHLDISP (column name).

Channel Inst Type

Type of channel instance. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Current (1011), Saved (1012), Short (1015). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_INSTANCE_TYPE or CHLITYPE (historical name), Channel Inst Type (caption), Channel_Instance_Type (attribute name), and CHLITYPE (column name).

CurBatch LUW ID

Logical unit of work identifier for in doubt batch. The logical unit of work identifier is associated with the current batch for a sending or receiving channel. For an in-doubt sending channel, it is the LUW ID of the in doubt batch. It is updated with the LUW ID of the next batch when it is known. The type is string.

The following names are defined for this attribute: CURRENT_BATCH_LUW_ID or CURLUWID (historical name), CurBatch LUW ID (caption), Current_Batch_LUW_ID (attribute name), and CURLUWID (column name).

CurMsg SeqNo

Sequence number of the last message in the in-doubt batch. For a sending channel, this is the message sequence number of the last sent message. It is updated as each message is sent, and when the channel becomes in-doubt, it is the message sequence number of the last message in the in-doubt batch. For a receiving channel, it is the message sequence number of the last message that is received. It is updated as each message is received. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENT_MESSAGE_SEQUENCE_NUMBER or CURSEQNO (historical name), CurMsg SeqNo (caption), Current_Message_Sequence_Number (attribute name), and CURSEQNO (column name).

Current Action State

Current action that is being performed by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Other (0), End Of Batch (100), Sending (200), Receiving (300), Serializing (400), Resynching (500), Heartbeating (600), Security exit (700), Receive exit (800), Sending exit (900), Message exit (1000), Retry exit (1100), Channel definition exit (1200), Net connection (1250), SSL hand shaking (1300), Name server (1400), MQPut (1500), MQGet (1600), MQI Call (1700), Compressing (1800). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENT_ACTION_STATE or SUBSTATE (historical name), Current Action State (caption), Current_Action_State (attribute name), and SUBSTATE (column name).

Current Sharing Conversations

It is blank for all channel types other than server-connection channels. For each instance of a server-connection channel, it gives the number of conversations that are currently running over that channel instance. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENT_SHARING_CONVERSATIONS or CURSHCNV (historical name), Current Sharing Conversations (caption), Current_Sharing_Conversations (attribute name), and CURSHCNV (column name).

Default Header Compression

Indicates whether header data that is sent by the channel is compressed. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_HEADER_COMPRESSION_VALUE or DFTCOMPHDR (historical name), Default Header Compression (caption), Default_Header_Compression_Value (attribute name), and DFTCOMPHDR (column name).

Default Message Compression

Whether message data that is sent by the channel is compressed. This is the default value assigned when the channel is created if no other value is assigned by the user. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute:

DEFAULT_MESSAGE_COMPRESSION_VALUE or DFTCOMPMSG (historical name), Default Message Compression (caption), Default_Message_Compression_Value (attribute name), and DFTCOMPMSG (column name).

Heartbeat Interval

Interval of heartbeat. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HEARTBEAT_INTERVAL or HBINT (historical name), Heartbeat Interval (caption), Heartbeat_Interval (attribute name), and HBINT (column name).

Host Name

Name of the host on which the queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Keep Alive Interval

The timeout value for a channel. If the channel is idle for the length of time that is specified by this attribute (in seconds), the queue polls the other queue that is connected to the channel to ensure that the connection is still functioning. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Auto (-1), n/a (-2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: KEEP_ALIVE_INTERVAL or KAJINT (historical name), Keep Alive Interval (caption), Keep_Alive_Interval (attribute name), and KAJINT (column name).

Last Header Compression

Indicates whether header data that is sent by the channel is compressed. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_HEADER_COMPRESSION_VALUE or LSTCOMPHDR (historical name), Last Header Compression (caption), Last_Header_Compression_Value (attribute name), and LSTCOMPHDR (column name).

Last Message Compression

This value determines whether message data sent by the channel is compressed. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), Run Length Encoding Compression (1), ZLIB Encoding Speed Compression (2), ZLIB Encoding High Compression (4), System (8), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_MESSAGE_COMPRESSION_VALUE or LSTCOMPMSG (historical name), Last Message Compression (caption), Last_Message_Compression_Value (attribute name), and LSTCOMPMSG (column name).

Local Address

The local communications address for the channel. The type is string.

The following names are defined for this attribute: LOCAL_COMMUNICATIONS_ADDRESS or LOCLADDR (historical name), Local Address (caption), Local_Communications_Address (attribute name), and LOCLADDR (column name).

Long Retries Left

Number of long retry attempts that remain. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_RETRIES_LEFT or LONGRTS (historical name), Long Retries Left (caption), Long_Retries_Left (attribute name), and LONGRTS (column name).

Long Term Batch Size

Indicator of the number of messages in a batch based on activity over a long period of time. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_BATCH_SIZE_INDICATOR or LTXBATCHSZ (historical name), Long Term Batch Size (caption), Long_Term_Batch_Size_Indicator (attribute name), and LTXBATCHSZ (column name).

Long Term Compression Rate

Compression rate to the nearest percentage point based on activity over a long period of time. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_COMPRESSION_RATE or LTCOMPRATE (historical name), Long Term Compression Rate (caption), Long_Term_Compression_Rate (attribute name), and LTCOMPRATE (column name).

Long Term Compression Time

The amount of time per message, in microseconds, spent on compression or decompression based on activity over a long period of time. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_COMPRESSION_TIME or LTCOMPTIME (historical name), Long Term Compression Time (caption), Long_Term_Compression_Time (attribute name), and LTCOMPTIME (column name).

Long Term Exit Time

The amount of time per message, in microseconds, spent processing user exits based on activity over a long period of time. If more than one exit is processed per message, the value is the sum of all the user exit times. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_EXIT_TIME or LTEXTIME (historical name), Long Term Exit Time (caption), Long_Term_Exit_Time (attribute name), and LTEXTIME (column name).

Long Term Net Time

The amount of time, in microseconds, from when a request is sent to the remote end of the channel until a response is received, based on activity over a long period of time. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_NETWORK_TIME or LTNETTIME (historical name), Long Term Net Time (caption), Long_Term_Network_Time (attribute name), and LTNETTIME (column name).

Long Term XmitQ Time

The amount of time in microseconds that messages remain on the transmission queue before being retrieved, based on activity over a long period of time. The time is measured from when the message is put onto the transmission queue until it is retrieved to be sent on the channel, therefore, the value includes any interval caused by a delay in the putting application. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute:

LONG_TERM_TRANSMISSION_QUEUE_TIME or LTXQTIME (historical name), Long Term XmitQ Time (caption), Long_Term_Transmission_Queue_Time (attribute name), and LTXQTIME (column name).

LUW Last Committed

Logical unit of work identifier for last committed batch. The type is string.

The following names are defined for this attribute: LUW_ID_LAST_COMMITTED or LSTLUWID (historical name), LUW Last Committed (caption), LUW_ID_Last_Committed (attribute name), and LSTLUWID (column name).

Maximum Msg Len

Length of the maximum message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MAXIMUM_MESSAGE_LENGTH or MAXMSGL (historical name), Maximum Msg Len (caption), Maximum_Message_Length (attribute name), and MAXMSGL (column name).

Maximum Sharing Conversations

It is blank for all channel types other than server-connection channels. For each instance of a server-connection channel, it gives the negotiated maximum of the number of conversations that can run over that channel instance. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MAXIMUM_SHARING_CONVERSATIONS or MAXSHCNV (historical name), Maximum Sharing Conversations (caption), Maximum_Sharing_Conversations (attribute name), and MAXSHCNV (column name).

MCA Job Name

Name of MCA job. The type is string.

The following names are defined for this attribute: MCA_JOB_NAME or JOBNAME (historical name), MCA Job Name (caption), MCA_Job_Name (attribute name), and JOBNAME (column name).

MCA Status

Status of the MCA. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Stopped (0), Running (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MCA_STATUS or MCASTAT (historical name), MCA Status (caption), MCA_Status (attribute name), and MCASTAT (column name).

MCA User ID

User identifier used by the MCA. It applies to server-connection, receiver, requester, and cluster-receiver connections. The type is string.

The following names are defined for this attribute: MCA_USER_IDENTIFIER or MCAUSER (historical name), MCA User ID (caption), MCA_User_Identifier (attribute name), and MCAUSER (column name).

Message Count

Number of messages that are sent or received, or number of MQI calls that are handled. The type is integer (32-bit counter).

The following names are defined for this attribute: MESSAGE_COUNT or MSGS (historical name), Message Count (caption), Message_Count (attribute name), and MSGS (column name).

Monitoring Level

Current amount of monitoring data that is collected for the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Queue Manager (-3), n/a (-1), Off (0), Low (17), Medium (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MONITORING_LEVEL or MONCHL (historical name), Monitoring Level (caption), Monitoring_Level (attribute name), and MONCHL (column name).

Non-Persist Msg Speed

The speed at which nonpersistent messages travel through the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Normal (1), Fast (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NON-PERSISTENT_MESSAGE_SPEED or NPMSPEED (historical name), Non-Persist Msg Speed (caption), Non-Persistent_Message_Speed (attribute name), and NPMSPEED (column name).

SeqNo Last Committed

Sequence number of the last message in the last committed batch. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SEQUENCE_NUMBER_LAST_COMMITTED or LSTSEQNO (historical name), SeqNo Last Committed (caption), Sequence_Number_Last_Committed (attribute name), and LSTSEQNO (column name).

Short Retries Left

Number of short retry attempts remaining. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_RETRIES_LEFT or SHORTRTS (historical name), Short Retries Left (caption), Short_Retries_Left (attribute name), and SHORTRTS (column name).

Short Term Batch Size

Indicator of the number of messages in a batch based on recent activity over a short period of time. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_BATCH_SIZE_INDICATOR or STXBATCHSZ (historical name), Short Term Batch Size (caption), Short_Term_Batch_Size_Indicator (attribute name), and STXBATCHSZ (column name).

Short Term Compression Rate

Compression rate to nearest percentage point based on recent activity over a short period of time. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_COMPRESSION_RATE or STCOMPRATE (historical name), Short Term Compression Rate (caption), Short_Term_Compression_Rate (attribute name), and STCOMPRATE (column name).

Short Term Compression Time

The amount of time per message, in microseconds, spent on compression or decompression based on recent activity over a short period of time. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SHORT_TERM_COMPRESSION_TIME` or `STCOMPTIME` (historical name), Short Term Compression Time (caption), `Short_Term_Compression_Time` (attribute name), and `STCOMPTIME` (column name).

Short Term Exit Time

The amount of time per message, in microseconds, spent processing user exits based on recent activity over a short period of time. If more than one exit is processed per message, the value is the sum of all the user exit times. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SHORT_TERM_EXIT_TIME` or `STEXITTIME` (historical name), Short Term Exit Time (caption), `Short_Term_Exit_Time` (attribute name), and `STEXITTIME` (column name).

Short Term Net Time

The amount of time, in microseconds, from when a request is sent to the remote end of the channel until a response is received, based on recent activity over a short period of time. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SHORT_TERM_NETWORK_TIME` or `STNETTIME` (historical name), Short Term Net Time (caption), `Short_Term_Network_Time` (attribute name), and `STNETTIME` (column name).

Short Term XmitQ Time

The amount of time in microseconds that messages remained on the transmission queue before being retrieved, based on recent activity over a short period of time. The time is measured from when the message is put onto the transmission queue until it is retrieved to be sent on the channel, therefore, the value includes any interval caused by a delay in the putting application. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SHORT_TERM_TRANSMISSION_QUEUE_TIME` or `STXQTIME` (historical name), Short Term XmitQ Time (caption), `Short_Term_Transmission_Queue_Time` (attribute name), and `STXQTIME` (column name).

SSL Cert Issuer Name

The full Distinguished Name of the Certificate Authority that issues the remote certificate. The type is string.

The following names are defined for this attribute: `SSL_CERTIFICATE_ISSUER_NAME` or `SSLCERTI` (historical name), SSL Cert Issuer Name (caption), `SSL_Certificate_Issuer_Name` (attribute name), and `SSLCERTI` (column name).

SSL Cert User ID

Not applicable to the current monitoring agent. The local user ID that is associated with the remote certificate. This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: `SSL_CERTIFICATE_USER_IDENTIFIER` or `SSLCERTU` (historical name), SSL Cert User ID (caption), `SSL_Certificate_User_Identifier` (attribute name), and `SSLCERTU` (column name).

SSL Key Count

The number of SSL secret key resets that occurred for this channel instance since the channel was

started. If the SSL secret key negotiation is enabled, the count is incremented whenever a secret key reset is performed. The type is integer (32-bit counter) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SSL_KEY_RESET_COUNT` or `SSLRKEYS` (historical name), `SSL Key Count` (caption), `SSL_Key_Reset_Count` (attribute name), and `SSLRKEYS` (column name).

SSL Key Date & Time

Date and time of the previous SSL secret key reset. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SSL_KEY_RESET_DATE_AND_TIME` or `SSLKEYDTTM` (historical name), `SSL Key Date & Time` (caption), `SSL_Key_Reset_Date_and_Time` (attribute name), and `SSLKEYDTTM` (column name).

SSL Short Peer Name

Distinguished name of the peer queue manager or client at the other end of the channel. Exceptionally long distinguished names are truncated. The type is string.

The following names are defined for this attribute: `SSL_SHORT_PEER_NAME` or `SSLPEER` (historical name), `SSL Short Peer Name` (caption), `SSL_Short_Peer_Name` (attribute name), and `SSLPEER` (column name).

User Stop Request

Indicates whether user stop request is outstanding. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), `Stop Not Requested` (0), `Stop Requested` (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `USER_STOP_REQUEST` or `STOPREQ` (historical name), `User Stop Request` (caption), `User_Stop_Request` (attribute name), and `STOPREQ` (column name).

Channel Summary data set

The Channel Summary attributes provide the summarized data on a channel level or on a connection level. This data is collected at five-minute intervals.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

% Max Instances

The total number of instances of a server-connection channel as a percentage of the maximum number of instances of a server-connection channel that can be started. This attribute is valid only for server-connection channels of WebSphere MQ 7.0.1 and later versions. The type is real number (32-bit numeric property) with one decimal places of precision with enumerated values. The following values are defined: n/a (-1), n/a (-10). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PERCENT_MAXIMUM_INSTANCES` or `MAXINSTPCT` (historical name), `% Max Instances` (caption), `Percent_Maximum_Instances` (attribute name), and `MAXINSTPCT` (column name).

% Max Instances per Client

The highest number of instances of a given channel that are grouped by clients as a percentage of the maximum number of instances of a channel that can be started from a single client. This attribute is valid only for server-connection channels of WebSphere MQ 7.0.1 and later versions. The type is real number (32-bit numeric property) with one decimal places of precision with

enumerated values. The following values are defined: n/a (-1), n/a (-10). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute:

PERCENT_MAXIMUM_INSTANCES_PER_CLIENT or MAXINSTCPT (historical name), % Max Instances per Client (caption), Percent_Maximum_Instances_per_Client (attribute name), and MAXINSTCPT (column name).

% Max Sharing Conversations

The highest number of current conversations of a server-connection channel as a percentage of the maximum number of conversations that can run over each instance. 0 - 100. 0. This attribute is valid only for server-connection channels of WebSphere MQ 7.0.1 and later versions. The type is real number (32-bit numeric property) with one decimal places of precision with enumerated values. The following values are defined: n/a (-1), n/a (-10). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute:

PERCENT_MAXIMUM_SHARING_CONVERSATIONS or MAXSHCVPCT (historical name), % Max Sharing Conversations (caption), Percent_Maximum_Sharing_Conversations (attribute name), and MAXSHCVPCT (column name).

Average Buffers Received

The average of the Buffers Received attribute values from all instances of a multi-instance channel. For single-instance channels, this attribute is the same as the Buffers Received value. The type is integer (32-bit numeric property).

The following names are defined for this attribute: AVERAGE_BUFFERS_RECEIVED or AVGBUFRCV (historical name), Average Buffers Received (caption), Average_Buffers_Received (attribute name), and AVGBUFRCV (column name).

Average Buffers Sent

The average of the Buffers Sent attribute values from all instances of a multi-instance channel. For single-instance channels, this attribute is the same as the Buffers Sent value. The type is integer (32-bit numeric property).

The following names are defined for this attribute: AVERAGE_BUFFERS_SENT or AVGBUFSNT (historical name), Average Buffers Sent (caption), Average_Buffers_Sent (attribute name), and AVGBUFSNT (column name).

Average Bytes Received

The average buffers received over channel instances. The type is integer (64-bit numeric property).

The following names are defined for this attribute: AVERAGE_BYTES_RECEIVED_64BIT or AVBTRV_C64 (historical name), Average Bytes Received (caption), Average_Bytes_Received_64bit (attribute name), and AVBTRV_C64 (column name).

Average Bytes Received (Deprecated)

The average of the Bytes Received attribute values from all instances of a multi-instance channel. For single-instance channels, this attribute is the same as the Bytes Received value. The type is integer (32-bit numeric property).

The following names are defined for this attribute: AVERAGE_BYTES_RECEIVED or AVGBYTRCV (historical name), Average Bytes Received (Deprecated) (caption), Average_Bytes_Received (attribute name), and AVGBYTRCV (column name).

Average Bytes Sent

The average buffers sent over channel instances. The type is integer (64-bit numeric property).

The following names are defined for this attribute: AVERAGE_BYTES_SENT_64BIT or AGBTST_C64 (historical name), Average Bytes Sent (caption), Average_Bytes_Sent_64bit (attribute name), and AGBTST_C64 (column name).

Average Bytes Sent (Deprecated)

The average of the Bytes Sent attribute values from all instances of a multi-instance channel. For single-instance channels, this attribute is the same as the Bytes Sent value. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `AVERAGE_BYTES_SENT` or `AVGBYTSNT` (historical name), Average Bytes Sent (Deprecated) (caption), `Average_Bytes_Sent` (attribute name), and `AVGBYTSNT` (column name).

Average Message Count

The average of the Message Count attribute values from all instances of a multi-instance channel. For single-instance channels, this attribute is the same as the Message Count attribute value. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `AVERAGE_MESSAGE_COUNT` or `AVGMSGCNT` (historical name), Average Message Count (caption), `Average_Message_Count` (attribute name), and `AVGMSGCNT` (column name).

Average Transmit KB/Sec

The average transmission rate over channel instances. The type is real number (32-bit numeric property) with two decimal places of precision.

The following names are defined for this attribute: `AVERAGE_TRANSMIT_KB_PER_SEC` or `AVGCHRATE` (historical name), Average Transmit KB/Sec (caption), `Average_Transmit_KB_per_Sec` (attribute name), and `AVGCHRATE` (column name).

Channel Name

The name of this channel. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `CHANNEL_NAME` or `CHNAME` (historical name), Channel Name (caption), `Channel_Name` (attribute name), and `CHNAME` (column name).

Channel Type

The type that is assigned to the channel when it is created. This attribute is a key attribute. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), SDR (1), SVR (2), RCVR (3), RQSTR (4), CLNTCONN (6), SVRCONN (7), CLUSRCVR (8), CLUSSDR (9). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `CHANNEL_TYPE` or `CHTYPE` (historical name), Channel Type (caption), `Channel_Type` (attribute name), and `CHTYPE` (column name).

Client Count

The number of clients that have different network addresses. The total number of individual clients with different network addresses, from which client applications are connecting a given channel respectively with a channel instance. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `CLIENT_COUNT` or `CLIENTCNT` (historical name), Client Count (caption), `Client_Count` (attribute name), and `CLIENTCNT` (column name).

Connection Name

The name of the connection. The type is string.

The following names are defined for this attribute: `CONNECTION_NAME` or `CONNNAME` (historical name), Connection Name (caption), `Connection_Name` (attribute name), and `CONNNAME` (column name).

Earliest Start Date & Time

The earliest time stamp among the Start Date & Time time stamps from all instances of a multi-instance channel. For single-instance channels, this attribute value is the same as the Start Date & Time time stamp. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EARLIEST_START_DATE_AND_TIME or ELSTDATTIM (historical name), Earliest Start Date & Time (caption), Earliest_Start_Date_and_Time (attribute name), and ELSTDATTIM (column name).

Highest Buffers Received

The highest attribute value among the Buffers Received attribute values from all instances of a multi-instance channel. For single-instance channels, this attribute is the same as the Buffers Received attribute value. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_BUFFERS_RECEIVED or HSTBUFRVCV (historical name), Highest Buffers Received (caption), Highest_Buffers_Received (attribute name), and HSTBUFRVCV (column name).

Highest Buffers Sent

The highest attribute value among the Buffers Sent attribute values from all instances of a multi-instance channel. For single-instance channels, this attribute is the same as the Buffers Sent attribute value. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_BUFFERS_SENT or HSTBUFSNT (historical name), Highest Buffers Sent (caption), Highest_Buffers_Sent (attribute name), and HSTBUFSNT (column name).

Highest Bytes Received

The highest bytes received over channel instances. The type is integer (64-bit numeric property).

The following names are defined for this attribute: HIGHEST_BYTES_RECEIVED_64BIT or HTBTRV_C64 (historical name), Highest Bytes Received (caption), Highest_Bytes_Received_64bit (attribute name), and HTBTRV_C64 (column name).

Highest Bytes Received (Deprecated)

The highest attribute value among the Bytes Received attribute values from all instances of a multi-instance channel. For single-instance channels, this attribute is the same as the Bytes Received attribute value. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_BYTES_RECEIVED or HSTBYTRCV (historical name), Highest Bytes Received (Deprecated) (caption), Highest_Bytes_Received (attribute name), and HSTBYTRCV (column name).

Highest Bytes Sent

The highest bytes sent over channel instances. The type is integer (64-bit numeric property).

The following names are defined for this attribute: HIGHEST_BYTES_SENT_64BIT or HTBTST_C64 (historical name), Highest Bytes Sent (caption), Highest_Bytes_Sent_64bit (attribute name), and HTBTST_C64 (column name).

Highest Bytes Sent (Deprecated)

The highest attribute value among the Bytes Sent attribute values from all instances of a multi-instance channel. For single-instance channels, this attribute is the same as the Bytes Sent attribute value. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_BYTES_SENT or HSTBYTSNT (historical name), Highest Bytes Sent (Deprecated) (caption), Highest_Bytes_Sent (attribute name), and HSTBYTSNT (column name).

Highest Compression Time

The highest attribute value among the Short Term Compression Time attribute values from all instances of a multi-instance channel. For a single-instance channel, the attribute value is the same as the Short Term Compression Time attribute value. Although MQ provides both a short-term value and a long-term value, the short-term value is selected and displayed by default. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_COMPRESSION_TIME or HSTCOMPTIM (historical name), Highest Compression Time (caption), Highest_Compression_Time (attribute name), and HSTCOMPTIM (column name).

Highest Conversations per Client

The highest value among the numbers of conversations of a server-connection channel that are grouped by clients. This attribute is valid only for server-connection channels of WebSphere MQ 7.0.1 and later versions. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_CONVERSATIONS_PER_CLIENT or HSTSHCNVC (historical name), Highest Conversations per Client (caption), Highest_Conversations_per_Client (attribute name), and HSTSHCNVC (column name).

Highest Current Conversations

The highest value among the numbers of conversations that are running over each instance of a server-connection channel. This attribute is valid only for server-connection channels of WebSphere MQ 7.0.1 and later versions. A value of 0 indicates that the channel is running in a mode earlier than that of WebSphere MQ version 7.0 with respect to the following behaviors: The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_CURRENT_CONVERSATIONS or HSTSHCNV (historical name), Highest Current Conversations (caption), Highest_Current_Conversations (attribute name), and HSTSHCNV (column name).

Highest Exit Time

The highest attribute value among the Short Term Exit Time attribute values from all instances of a multi-instance channel. For single-instance channels, the attribute value is the same as the Short Term Exit Time value. Although MQ provides both a short-term value and a long-term value, the short-term value is selected and displayed by default. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_EXIT_TIME or HSTEXITTIM (historical name), Highest Exit Time (caption), Highest_Exit_Time (attribute name), and HSTEXITTIM (column name).

Highest In-Doubt Samples

The highest value among the numbers of consecutive samples from all instances of a channel that are found in-doubt. This attribute is not applicable to server-connection channels. Besides sender-type channels, it is applicable to receiver-type channels that can have multiple instances. This attribute is set to 0 for the channels that are not applicable. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_IN-DOUBT_SAMPLES or HSTINDTCNT (historical name), Highest In-Doubt Samples (caption), Highest_In-Doubt_Samples (attribute name), and HSTINDTCNT (column name).

Highest Instances per Client

The highest value among the numbers of instances of a given channel that are grouped by clients. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_INSTANCES_PER_CLIENT or HSTINSTC (historical name), Highest Instances per Client (caption), Highest_Instances_per_Client (attribute name), and HSTINSTC (column name).

Highest Message Count

The highest attribute value among the Message Count attribute values from all instances of a server-connection channel. For single-instance channels, this attribute is the same as the Message Count value. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_MESSAGE_COUNT or HSTMSGCNT (historical name), Highest Message Count (caption), Highest_Message_Count (attribute name), and HSTMSGCNT (column name).

Highest Net Time

The short-term duration of a network operation. The amount of time (in microseconds) to send a request to the remote end of the channel and to receive a response. Although MQ provides both a short-term value and a long-term value, the short-term value is selected and displayed by default. For historical data, this attribute shows the highest sampled value. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_NETWORK_TIME or HSTNETTIME (historical name), Highest Net Time (caption), Highest_Network_Time (attribute name), and HSTNETTIME (column name).

Highest Transmit KB/Sec

The highest attribute value among the Transmit KB per Sec attribute values from all instances of a multi-instance channel. For single-instance channels, this attribute is the same as the Transmit KB per Sec attribute value. The type is real number (32-bit numeric property) with two decimal places of precision.

The following names are defined for this attribute: HIGHEST_TRANSMIT_KB_PER_SEC or HSTCHRATE (historical name), Highest Transmit KB/Sec (caption), Highest_Transmit_KB_per_Sec (attribute name), and HSTCHRATE (column name).

Highest XmitQ Depth

The number (depth) of messages on the transmission queue that are associated with this channel. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_TRANSMISSION_QUEUE_DEPTH or HSTXMITQD (historical name), Highest XmitQ Depth (caption), Highest_Transmission_Queue_Depth (attribute name), and HSTXMITQD (column name).

Highest XmitQ Time

The short-term transmission queue time. The time, in microseconds, that messages remained on the transmission queue before being retrieved. The time is measured from when the message is put onto the transmission queue until it is retrieved to be sent on the channel, therefore, the time includes any interval that is caused by a delay in the putting operation. Although MQ provides both a short-term value and a long-term value, the short-term value is selected and displayed by default. For historical data, this attribute shows the highest sampled value. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_TRANSMISSION_QUEUE_TIME or HSTXQTIME (historical name), Highest XmitQ Time (caption), Highest_Transmission_Queue_Time (attribute name), and HSTXQTIME (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Latest Send Date & Time

The latest time stamp among the Last Message Date & Time time stamps from all instances of a multi-instance channel. For single-instance channels, this attribute value is the same as the Last Message Date & Time value. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LATEST_MESSAGE_DATE_AND_TIME or LTMGDATTIM (historical name), Latest Send Date & Time (caption), Latest_Message_Date_and_Time (attribute name), and LTMGDATTIM (column name).

Max Instances

The maximum number of simultaneous instances of a server-connection channel that can be

started. This attribute can be set in the range 0 - 999,999,999. A value of zero indicates that no client connections are allowed on this channel. The default value is 999,999,999. This attribute is valid only for server-connection channels of WebSphere MQ 7.0.1 and later versions. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `MAXIMUM_INSTANCES` or `MAXINST` (historical name), `Max Instances` (caption), `Maximum_Instances` (attribute name), and `MAXINST` (column name).

Max Instances per Client

The maximum number of simultaneous instances of a server-connection channel from a single client. This attribute can be set in the range 0 - 999,999,999. A value of 0 indicates that no client connections are allowed on this channel. The default value is 999,999,999. This attribute is valid only for server-connection channels of WebSphere MQ 7.0.1 and later versions. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `MAXIMUM_INSTANCES_PER_CLIENT` or `MAXINSTC` (historical name), `Max Instances per Client` (caption), `Maximum_Instances_per_Client` (attribute name), and `MAXINSTC` (column name).

Max Sharing Conversations

The maximum number of conversations that can run over each instance of a server-connection channel. This attribute is valid only for server-connection channels of WebSphere MQ 7.0.1 and later versions. A value of 0 indicates that the channel is running in a mode earlier than that of WebSphere MQ version 7.0 with respect to the following behaviors: The type is integer (32-bit numeric property).

The following names are defined for this attribute: `MAXIMUM_SHARING_CONVERSATIONS` or `MAXSHCNV` (historical name), `Max Sharing Conversations` (caption), `Maximum_Sharing_Conversations` (attribute name), and `MAXSHCNV` (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `NODE` (historical name), `Node` (caption), `ORIGINNODE` (attribute name), and `ORIGINNODE` (column name).

QMgr Name

The name that is assigned to this queue manager. The type is string.

The following names are defined for this attribute: `MQ_MANAGER_NAME` or `QMNAME` (historical name), `QMgr Name` (caption), `MQ_Manager_Name` (attribute name), and `QMNAME` (column name).

Retrying Instances

The number of instances of a given channel or a connection in the retrying status. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `RETRYING_INSTANCES` or `RTYINST` (historical name), `Retrying Instances` (caption), `Retrying_Instances` (attribute name), and `RTYINST` (column name).

Running Instances

The number of instances of a given channel or a connection in the running status. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `RUNNING_INSTANCES` or `RUNINST` (historical name), `Running Instances` (caption), `Running_Instances` (attribute name), and `RUNINST` (column name).

Summary Type

Indicates whether the data is summarized on a channel level or on a connection level. The type is

integer (32-bit numeric property) with enumerated values. The following values are defined: ChannelSummary (0), ConnectionNameSummary (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SUMMARY_TYPE or SUMTYPE (historical name), Summary Type (caption), Summary_Type (attribute name), and SUMTYPE (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Total Conversations

The total number of conversations across all instances of a server-connection channel. This attribute is valid only for server-connection channels of WebSphere MQ 7.0.1 and later versions. The type is integer (32-bit numeric property).

The following names are defined for this attribute: TOTAL_CONVERSATIONS or TOTALSHCNV (historical name), Total Conversations (caption), Total_Conversations (attribute name), and TOTALSHCNV (column name).

Total Instances

The number of total instances of a given channel or a connection. The type is integer (32-bit numeric property).

The following names are defined for this attribute: TOTAL_INSTANCES or TOTALINST (historical name), Total Instances (caption), Total_Instances (attribute name), and TOTALINST (column name).

Connection Objects data set

The Connection Objects attributes provide connection information about the applications that are connected to the queue manager. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Asynch State

The state of the asynchronous consumer on this object handle. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (255), None (0), Suspended (4), SuspendedTemp (5), Active (6), Inactive (7). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ASYNCHRONOUS_STATE or ASTATE (historical name), Asynch State (caption), Asynchronous_State (attribute name), and ASTATE (column name).

Conn ID Prefix (EXTCONN)

Character hexadecimal representation of the prefix of connection ID. The type is string.

The following names are defined for this attribute: CONNECTION_IDENTIFIER_PREFIX or EXTCONN (historical name), Conn ID Prefix (EXTCONN) (caption), Connection_Identifier_Prefix (attribute name), and EXTCONN (column name).

Conn ID Suffix (CONN)

Character hexadecimal representation of the suffix of connection ID. The type is string.

The following names are defined for this attribute: CONNECTION_IDENTIFIER_SUFFIX or CONN (historical name), Conn ID Suffix (CONN) (caption), Connection_Identifier_Suffix (attribute name), and CONN (column name).

Connection ID

The identifier of the connection. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: CONNECTION_IDENTIFIER or CONNID (historical name), Connection ID (caption), Connection_Identifier (attribute name), and CONNID (column name).

Destination

The destination queue for messages that are published to this subscription. This parameter is only relevant for handles of subscriptions to topics. The type is string.

The following names are defined for this attribute: DESTINATION or DEST (historical name), Destination (caption), Destination (attribute name), and DEST (column name).

Destination QMgr

The destination queue manager for messages that are published to this subscription. The valid format is an alphanumeric string of up to 48 characters. The type is string.

The following names are defined for this attribute: DESTINATION_QUEUE_MANAGER or DESTQMGR (historical name), Destination QMgr (caption), Destination_Queue_Manager (attribute name), and DESTQMGR (column name).

Handle Status

This attribute is the status of the handle. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Inactive (0), Active (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: HANDLE_STATUS or HSTATE (historical name), Handle Status (caption), Handle_Status (attribute name), and HSTATE (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Object Name

The name of an object that the connection has opened. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: OBJECT_NAME or OBJNAME (historical name), Object Name (caption), Object_Name (attribute name), and OBJNAME (column name).

Object Type

The type of the object that the connection has opened. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Queue (1), NameList (2), Process (3), StorageClass (4), QMgr (5), Channel (6), AuthInfo (7), Topic (8). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OBJECT_TYPE or OBJTYPE (historical name), Object Type (caption), Object_Type (attribute name), and OBJTYPE (column name).

Open Options

The open options that are currently in force for the connection for the object. The type is string.

The following names are defined for this attribute: OPEN_OPTIONS or OPENOPTS (historical name), Open Options (caption), Open_Options (attribute name), and OPENOPTS (column name).

QMgr Name

Not applicable to the current monitoring agent. The name that is assigned to this queue manager. This attribute is for z/OS systems only. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

QSG Disp

Not application to the current monitoring agent. Indicates the disposition of the object in QSG environment. This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), QMgr (0), Copy (1), Shared (2), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QSG_DISPOSITION or QSGDISP (historical name), QSG Disp (caption), QSG_Disposition (attribute name), and QSGDISP (column name).

Read Ahead

The read ahead connection status. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (255), No (0), Yes (1), Inhibited (3), Backlog (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: READ_AHEAD or READA (historical name), Read Ahead (caption), Read_Ahead (attribute name), and READA (column name).

Sub Name

The unique subscription name of the application that is associated with the handle. This parameter is relevant only for handles of subscriptions to topics. Not all subscriptions will have a subscription name. The type is string.

The following names are defined for this attribute: SUBSCRIPTION_NAME_U or USUBNAME (historical name), Sub Name (caption), Subscription_Name_U (attribute name), and USUBNAME (column name).

Subscription ID

The internal, all-time unique identifier of the subscription. This parameter is relevant only for handles of subscriptions to topics. The type is string.

The following names are defined for this attribute: SUBSCRIPTION_IDENTIFIER or SUBID (historical name), Subscription ID (caption), Subscription_Identifier (attribute name), and SUBID (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Topic String

The resolved topic string. This parameter is relevant for handles with OBJTYPE(TOPIC). It is blank for any other object type. The type is string.

The following names are defined for this attribute: TOPIC_STRING_U or UTOPICSTR (historical name), Topic String (caption), Topic_String_U (attribute name), and UTOPICSTR (column name).

Current Events data set

The Current Events attributes provide the status information of certain MQ events that occur within the specified interval. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports). A data sample is sent to the server every minute and is maintained for 8 days by default.

The attributes shown in *italic* are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Appl ID

The application identifier that is associated with the event or message. The type is string.

The following names are defined for this attribute: APPLICATION_IDENTIFIER or EVAP_NAME (historical name), *Appl ID* (caption), Application_Identifier (attribute name), and EVAP_NAME (column name).

Appl Type

The application type that is associated with the event or message. The valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), Unknown (-1), NoContext (0), CICS (1), MVS (2), IMS (3), OS2 (4), DOS (5), UNIX (6), QMGR (7), OS400 (8), WINDOWS (9), CICS VSE (10), WINDOWS NT (11), VMS (12), GUARDIAN (13), VOS (14), IMS BRIDGE (19), XCF (20), CICS BRIDGE (21), NOTES AGENT (22), USER (25), BROKER (26), QMGR PUBLISH (27), JAVA (28), DQM (29), CHINIT (30), WLM (31), BATCH (32), RRS BATCH (33), SIB (34), SYSTEMEXT (35), MCAST PUBLISH (36), SYSTEM (101), USER FIRST (65536). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: APPLICATION_TYPE or EVAP_TYPE (historical name), *Appl Type* (caption), Application_Type (attribute name), and EVAP_TYPE (column name).

Event Date & Time

The time and date that the event is posted to the MQ event queue. This attribute is a key attribute. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT_DATE_AND_TIME or EVDAT_TIME (historical name), *Event Date & Time* (caption), Event_Date_and_Time (attribute name), and EVDAT_TIME (column name).

Event Host Name

The name of the host system on which this event occurred (which is not necessarily the host system reporting the event). The type is string.

The following names are defined for this attribute: EVENT_HOST_NAME or ORIG_HOST (historical name), *Event Host Name* (caption), Event_Host_Name (attribute name), and ORIG_HOST (column name).

Event QMgr Name

The name of the queue manager on which this event occurs. The type is string.

The following names are defined for this attribute: EVENT_MQ_MANAGER_NAME or ORIG_QMGR (historical name), *Event QMgr Name* (caption), Event_MQ_Manager_Name (attribute name), and ORIG_QMGR (column name).

Event Qualifier

The condition that generates the event. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), Connection Not Authorized (1), Open Not Authorized (2), Close Not Authorized (3), Command Not Authorized (4), Queue Manager Stopping (5), Queue Manager Quiescing (6), Channel Stopped OK (7), Channel Stopped Error (8), Channel Stopped Retry (9), Channel Stopped Disabled (10), Bridge Stopped OK (11), Bridge Stopped Error (12), SSL Handshake Error (13), SSL Cipher Spec Error (14), SSL Client Auth Error (15), SSL Peer Name Error (16), Sub Not Authorized (17), Sub Dest Not Authorized (18), Ssl Unknown Revocation (19), Sys Conn Not Authorized (20), Channel Blocked Address (21), Channel Blocked Userid (22), Channel Blocked Noaccess (23), Max Active Channels (24), Max

Channels (25), Svrconn Inst Limit (26), Client Inst Limit (27), Caf Not Installed (28), COMMAND NONE (1000), Change Queue Manager (1001), Inquire Queue Manager (1002), Change Process (1003), Copy Process (1004), Create Process (1005), Delete Process (1006), Inquire Process (1007), Change Queue (1008), Clear Queue (1009), Copy Queue (1010), Create Queue (1011), Delete Queue (1012), Inquire Queue (1013), Refresh Queue Manager (1016), Reset Queue Stats (1017), Inquire Queue Names (1018), Inquire Process Names (1019), Inquire Channel Names (1020), Change Channel (1021), Copy Channel (1022), Create Channel (1023), Delete Channel (1024), Inquire Channel (1025), Ping Channel (1026), Reset Channel (1027), Start Channel (1028), Stop Channel (1029), Start Channel Initiator (1030), Start Channel Listener (1031), Change Namelist (1032), Copy Namelist (1033), Create Namelist (1034), Delete Namelist (1035), Inquire Namelist (1036), Inquire Namelist Names (1037), Escape (1038), Resolve Channel (1039), Ping Queue Manager (1040), Inquire Queue Status (1041), Inquire Channel Status (1042), Config Event (1043), Queue Manager Event (1044), Performance Event (1045), Channel Event (1046), Delete Publication (1060), Deregister Publisher (1061), Deregister Subscriber (1062), Publish (1063), Register Publisher (1064), Register Subscriber (1065), Request Update (1066), Broker Internal (1067), Activity Message (1069), Inquire Cluster Queue Manager (1070), Resume Queue Manager Cluster (1071), Suspend Queue Manager Cluster (1072), Refresh Cluster (1073), Reset Cluster (1074), Trace Route (1075), Refresh Security (1078), Change Authentication Information (1079), Copy Authentication Information (1080), Create Authentication Information (1081), Delete Authentication Information (1082), Inquire Authentication Information (1083), Inquire Authentication Information Names (1084), Inquire Connection (1085), Stop Connection (1086), Inquire Authority Records (1087), Inquire Entity Auth (1088), Delete Authority Records (1089), Set Authority Records (1090), Logger Event (1091), Reset Queue Manager (1092), Change Listener (1093), Copy Listener (1094), Create Listener (1095), Delete Listener (1096), Inquire Listener (1097), Inquire Listener Status (1098), Command Event (1099), Change Security (1100), Change CF Structure (1101), Change Storage Class (1102), Change Trace (1103), Archive Log (1104), Backup CF Structure (1105), Create Buffer Pool (1106), Create Page Set (1107), Create CF Structure (1108), Create Storage Class (1109), Copy CF Structure (1110), Copy Storage Class (1111), Delete CF Structure (1112), Delete Storage Class (1113), Inquire Archive (1114), Inquire CF Structure (1115), Inquire CF Structure Status (1116), Inquire Command Server (1117), Inquire Channel Init (1118), Inquire QSG (1119), Inquire Log (1120), Inquire Security (1121), Inquire Storage Class (1122), Inquire System (1123), Inquire Thread (1124), Inquire Trace (1125), Inquire Usage (1126), Move Queue (1127), Recover BSDS (1128), Recover CF Structure (1129), Reset Tpipe (1130), Resolve Indoubt (1131), Resume Queue Manager (1132), Reverify Security (1133), Set Archive (1134), Set Log (1136), Set System (1137), Start Command Server (1138), Start Queue Manager (1139), Start Trace (1140), Stop Channel Init (1141), Stop Channel Listener (1142), Stop Command Server (1143), Stop Queue Manager (1144), Stop Trace (1145), Suspend Queue Manager (1146), Inquire CF Structure Names (1147), Inquire Storage Class Names (1148), Change Service (1149), Copy Service (1150), Create Service (1151), Delete Service (1152), Inquire Service (1153), Inquire Service Status (1154), Start Service (1155), Stop Service (1156), Delete Buffer Pool (1157), Delete Page Set (1158), Change Buffer Pool (1159), Change Page Set (1160), Inquire Queue Manager Status (1161), Create Log (1162), Statistics MQI (1164), Statistics Queue (1165), Statistics Channel (1166), Accounting MQI (1167), Accounting Queue (1168), Inquire Authority Service (1169), Attributes Before Change (1000001), Attributes After Change (1000002), Change Topic (1170), Copy Topic (1171), Create Topic (1172), Delete Topic (1173), Inquire Topic (1174), Inquire Topic Names (1175), Inquire Subscription (1176), Create Subscription (1177), Change Subscription (1178), Delete Subscription (1179), Clear Subscription (1180), Copy Subscription (1181), Inquire SBStatus (1182), Inquire Topic Status (1183), Clear Topic String (1184), Inquire PubSub Status (1185), Inquire SMDS (1186), Change SMDS (1187), Reset SMDS (1188), Create Communication Information (1190), Inquire Communication Information (1191), Change Communication Information (1192), Copy Communication Information (1193), Delete Communication Information (1194), Purge Channel (1195), MQXR Diagnostics (1196), Start SMDS Connection (1197), Stop SMDS Connection (1198), Inquire SMDS Connection (1199), Inquire MQXR Status (1200), Start Client Trace (1201), Stop Client Trace (1202), Set Channel Authentication Record (1203), Inquire Channel Authentication Records (1204), Inquire Prot Policy (1205), Create Prot Policy (1206), Delete Prot Policy (1207), Change Prot Policy (1208), Activity

Trace (1209), Reset CF Structure (1213), Inquire XR Capability (1214). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT_QUALIFIER or EVENT_QUAL (historical name), *Event Qualifier* (caption), Event_Qualifier (attribute name), and EVENT_QUAL (column name).

Event The description of the outstanding MQ event (for example, Channel_Stopped). This attribute is a key attribute. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Queue Full (2053), Bridge Stopped (2126), Queue Depth High (2224), Queue Service Interval High (2226), Channel Stopped (2283), Channel Not Activated (2296). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT or EVENT_NAME (historical name), *Event* (caption), Event (attribute name), and EVENT_NAME (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Reporting Qmgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: REPORTING_MQ_MANAGER_NAME or QMNAME (historical name), *Reporting Qmgr Name* (caption), Reporting_MQ_Manager_Name (attribute name), and QMNAME (column name).

Resource Name

The name of the MQ resource (channel or queue) on which the event occurs. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: RESOURCE_NAME or EV_RESRC (historical name), *Resource Name* (caption), Resource_Name (attribute name), and EV_RESRC (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Internal EventID

The internal identifier that is assigned to the event. The valid format is an alphanumeric string of up to 8 characters. The type is string.

The following names are defined for this attribute: EVENT_ID (historical name), Internal EventID (caption), Event_ID (attribute name), and EVENT_ID (column name).

QMgr Subsys

Not applicable to the current monitoring agent. The subsystem ID that is associated with this queue manager. This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: MQ_MANAGER_SUBSYSTEM or SYS_NAME (historical name), QMgr Subsys (caption), MQ_Manager_Subsystem (attribute name), and SYS_NAME (column name).

Reporting Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: REPORTING_HOST_NAME or HOST_NAME (historical name), Reporting Host Name (caption), Reporting_Host_Name (attribute name), and HOST_NAME (column name).

Current Queue Manager Status data set

The Current Queue Manager Status attributes provide the most current status information that is associated with the related queue manager. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values. A data sample is sent to the server every minute and is maintained for 8 days by default.

The attributes shown in *italic* are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

% Max Active Channels

The number of active channel connections as percentage of the maximum number of active channels. The valid value is a decimal in the range 0.0 - 100.0. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: PERCENT_MAXIMUM_ACTIVE_CHANNELS or ACTCHLSPCT (historical name), % Max Active Channels (caption), Percent_Maximum_Active_Channels (attribute name), and ACTCHLSPCT (column name).

% Max Channels

The number of current channel connections as a percentage of the maximum number of current channels. 0 - 100.0. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: PERCENT_MAXIMUM_CHANNELS or CURCHLSPCT (historical name), % Max Channels (caption), Percent_Maximum_Channels (attribute name), and CURCHLSPCT (column name).

Channel Initiator Status

The status of the channel initiator reading. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Stopped (0), Starting (1), Running (2), Stopping (3), Retrying (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_INITIATOR_STATUS or CHINIT (historical name), *Channel Initiator Status* (caption), Channel_Initiator_Status (attribute name), and CHINIT (column name).

Command Server Status

The status of the command server. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: NotResponding (-2), n/a (-1), Stopped (0), Starting (1), Running (2), Stopping (3), Retrying (4), Waiting (5). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: COMMAND_SERVER_STATUS or CMDSERV (historical name), *Command Server Status* (caption), Command_Server_Status (attribute name), and CMDSERV (column name).

Connection Count

Indicates the current number of connection to the queue manager. The valid format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: CONNECTION_COUNT or CONNS (historical name), *Connection Count* (caption), Connection_Count (attribute name), and CONNS (column name).

DLQ Depth

The current depth of the dead letter queue. The type is integer (32-bit numeric property).

The following names are defined for this attribute: DLQ_DEPTH or DLQDEPTH (historical name), *DLQ Depth* (caption), DLQ_Depth (attribute name), and DLQDEPTH (column name).

High Depth Queue Count

The number of queues whose percentage of messages is higher than the specified QDEPTHHI parameter value for the queue. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGH_DEPTH_QUEUE_COUNT or HIGHQCNT (historical name), *High Depth Queue Count* (caption), High_Depth_Queue_Count (attribute name), and HIGHQCNT (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), *Host Name* (caption), Host_Name (attribute name), and HOST_NAME (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), *QMgr Name* (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

QMgr Status

The current execution status of the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Starting (1), Running (2), Quiescing (3), Stopping (4), Standby (5), Stopped (0). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MQ_MANAGER_STATUS or QMSTATUS (historical name), *QMgr Status* (caption), MQ_Manager_Status (attribute name), and QMSTATUS (column name).

Server Connections

The number of server connections. The type is integer (32-bit numeric property).

The following names are defined for this attribute: SERVER_CONNECTIONS or CH_SVRCONN (historical name), *Server Connections* (caption), Server_Connections (attribute name), and CH_SVRCONN (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Total XMIT Queue Messages

The number of messages that are on transmission queues. The type is integer (32-bit numeric property).

The following names are defined for this attribute: TOTAL_TRANSMISSION_QUEUE_MESSAGES or TOTXMSGS (historical name), *Total XMIT Queue Messages* (caption), Total_Transmission_Queue_Messages (attribute name), and TOTXMSGS (column name).

Active Connections

The number of active channel connections. This attribute is always set to be n/a for distributed systems. The type is integer (32-bit numeric property).

The following names are defined for this attribute: ACTIVE_CHANNEL_CONNECTIONS or CHCNACT (historical name), Active Connections (caption), Active_Channel_Connections (attribute name), and CHCNACT (column name).

Active Log Copy 1 Dataset Name

The name of the first copy of the current active log data set. The type is string.

The following names are defined for this attribute: ACTIVE_LOG_COPY_1_DATASET_NAME or ACTLG1DSN (historical name), Active Log Copy 1 Dataset Name (caption), Active_Log_Copy_1_Dataset_Name (attribute name), and ACTLG1DSN (column name).

Active Log Copy 2 Dataset Name

The name of the second copy of the current active log data set. The type is string.

The following names are defined for this attribute: ACTIVE_LOG_COPY_2_DATASET_NAME or ACTLG2DSN (historical name), Active Log Copy 2 Dataset Name (caption), Active_Log_Copy_2_Dataset_Name (attribute name), and ACTLG2DSN (column name).

Channel Health

Indicator of the channel health. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (0), OK (5), Warning (10), Critical (15). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_HEALTH or CHLHEALTH (historical name), Channel Health (caption), Channel_Health (attribute name), and CHLHEALTH (column name).

Channel Health Thresholds

The threshold value that is used to evaluate the channel health indicator and queue manager health indicator. For performance considerations, you can disable the evaluation or change the threshold value by customizing the associated queries. Use one of the following syntaxes in the query: The type is string.

The following names are defined for this attribute: CHANNEL_HEALTH_THRESHOLDS or CHLTHRESH (historical name), Channel Health Thresholds (caption), Channel_Health_Thresholds (attribute name), and CHLTHRESH (column name).

Current Connections

The number of current channel connections. This attribute is always set to be n/a for distributed systems. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CURRENT_CHANNEL_CONNECTIONS or CHCNCUR (historical name), Current Connections (caption), Current_Channel_Connections (attribute name), and CHCNCUR (column name).

Current Connections Not Running

The number of current channel connections that are not running. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CURRENT_CHANNEL_CONNECTIONS_NOT_RUNNING or CURCNNR (historical name), Current Connections Not Running (caption), Current_Channel_Connections_Not_Running (attribute name), and CURCNNR (column name).

Current Log

The name of the log extent that is written to at the time that the DISPLAY QMSTATUS command is processed. It is blank for non-linear logging. The type is string.

The following names are defined for this attribute: CURRENT_LOG or CURRLOG (historical name), Current Log (caption), Current_Log (attribute name), and CURRLOG (column name).

Current MQEvents

The number of rows that the current events table holds in memory. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CURRENT_MQEVENTS or CURMQEVCNT (historical name), Current MQEvents (caption), Current_MQEvents (attribute name), and CURMQEVCNT (column name).

Get Inhibited Queue Count

The number of queues that are get-inhibited. The type is integer (32-bit numeric property).

The following names are defined for this attribute: GET_INHIBITED_QUEUE_COUNT or INHGQCNT (historical name), Get Inhibited Queue Count (caption), Get_Inhibited_Queue_Count (attribute name), and INHGQCNT (column name).

In Doubt Connections

The number of the indoubt channel connections. The type is integer (32-bit numeric property).

The following names are defined for this attribute: IN_DOUBT_CHANNEL_CONNECTIONS or CH_TDOUBT (historical name), In Doubt Connections (caption), In_Doubt_Channel_Connections (attribute name), and CH_TDOUBT (column name).

Installation Name

Installation name for this queue manager. The type is string.

The following names are defined for this attribute: INSTALLATION_NAME or INSTNAME (historical name), Installation Name (caption), Installation_Name (attribute name), and INSTNAME (column name).

Installation Path

Installation path for this queue manager. The type is string.

The following names are defined for this attribute: INSTALLATION_PATH or INSTPATH (historical name), Installation Path (caption), Installation_Path (attribute name), and INSTPATH (column name).

Max Active Channels

The maximum number of channels that can be active at any time. The default value is specified by the Max Channels attribute. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MAXIMUM_ACTIVE_CHANNELS or MAXACTCHLS (historical name), Max Active Channels (caption), Maximum_Active_Channels (attribute name), and MAXACTCHLS (column name).

Max Channels

The maximum number of channels that can be current (including server-connection channels with connected clients). The type is integer (32-bit numeric property).

The following names are defined for this attribute: MAXIMUM_CHANNELS or MAXCHLS (historical name), Max Channels (caption), Maximum_Channels (attribute name), and MAXCHLS (column name).

Media Recovery Log

The name of the oldest log extent that is required by the queue manager to perform media recovery. It is blank for nonlinear logging. The type is string.

The following names are defined for this attribute: MEDIA_RECOVERY_LOG or MEDIALOG (historical name), Media Recovery Log (caption), Media_Recovery_Log (attribute name), and MEDIALOG (column name).

Oldest Active UOW Log Dataset Name

The name of the oldest active UOW log data set. This attribute is always blank for distributed systems. The type is string.

The following names are defined for this attribute: CURRENT_LOG_DATASET_NAME or CULOGDSN (historical name), Oldest Active UOW Log Dataset Name (caption), Current_Log_Dataset_Name (attribute name), and CULOGDSN (column name).

Open Queue Count

The number of queues that are open for input or output. The type is integer (32-bit numeric property).

The following names are defined for this attribute: OPEN_QUEUE_COUNT or OPENQCNT (historical name), Open Queue Count (caption), Open_Queue_Count (attribute name), and OPENQCNT (column name).

Page Set Recovery Log Dataset Name

The name of the log data set that contains the oldest restart Relative Byte Address (RBA) of any page set for the queue manager. This attribute is always blank for distributed systems. The type is string.

The following names are defined for this attribute: RECOVERY_LOG_DATASET_NAME or RELOGDSN (historical name), Page Set Recovery Log Dataset Name (caption), Recovery_Log_Dataset_Name (attribute name), and RELOGDSN (column name).

Permit Standby

Indicates whether the queue manager permits standby queue manager instances. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), No (0), YES (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PERMIT_STANDBY or STANDBY (historical name), Permit Standby (caption), Permit_Standby (attribute name), and STANDBY (column name).

Put Inhibited Queue Count

The number of queues that are put-inhibited. The type is integer (32-bit numeric property).

The following names are defined for this attribute: PUT_INHIBITED_QUEUE_COUNT or INHPQCNT (historical name), Put Inhibited Queue Count (caption), Put_Inhibited_Queue_Count (attribute name), and INHPQCNT (column name).

QMgr Health

Indicator of the queue manager health. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (0), OK (5), Warning (10), Critical (15). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_MANAGER_HEALTH or QMGRHEALTH (historical name), QMgr Health (caption), Queue_Manager_Health (attribute name), and QMGRHEALTH (column name).

QMgr Type

The type of the queue manager. The type is string with enumerated values. The following values are defined: MVS (M), AIX (A), OS2 (O), NT (N), HPUX (H), OS400 (4), Solaris (S), Guardian (G), Windows (W), Linux (L), UNIX (U), VMS (V), NSK (K), VSE (E), n/a (R). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MQ_MANAGER_TYPE or TYPE (historical name), QMgr Type (caption), MQ_Manager_Type (attribute name), and TYPE (column name).

Queue Health

Indicator of the queue health. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (0), OK (5), Warning (10), Critical (15). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_HEALTH or QHEALTH (historical name), Queue Health (caption), Queue_Health (attribute name), and QHEALTH (column name).

Queue Health Thresholds

The threshold value that is used to evaluate the queue health indicator and queue manager health indicator. For performance considerations, you can disable the evaluation or change the threshold value by customizing the associated queries. Use one of the following syntaxes in the query: The type is string.

The following names are defined for this attribute: `QUEUE_HEALTH_THRESHOLDS` or `QTHRESH` (historical name), Queue Health Thresholds (caption), `Queue_Health_Thresholds` (attribute name), and `QTHRESH` (column name).

Recovery Log Path

Location of the recovery log extents. The type is string.

The following names are defined for this attribute: `RECOVERY_LOG_PATH` or `LOGPATH` (historical name), Recovery Log Path (caption), `Recovery_Log_Path` (attribute name), and `LOGPATH` (column name).

Restart Recovery Log

The name of the oldest log extent that is required by the queue manager to perform restart recovery. It is blank if not linear logging. The type is string.

The following names are defined for this attribute: `RESTART_RECOVERY_LOG` or `RECLOG` (historical name), Restart Recovery Log (caption), `Restart_Recovery_Log` (attribute name), and `RECLOG` (column name).

Start Date

Date when this queue manager was started. The type is string.

The following names are defined for this attribute: `START_DATE` or `STARTDA` (historical name), Start Date (caption), `Start_Date` (attribute name), and `STARTDA` (column name).

Start Time

Time when this queue manager was started. The type is string.

The following names are defined for this attribute: `START_TIME` or `STARTTI` (historical name), Start Time (caption), `Start_Time` (attribute name), and `STARTTI` (column name).

Total Messages

The number of messages that are on all queues. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `TOTAL_MESSAGES` or `TOTQMSGs` (historical name), Total Messages (caption), `Total_Messages` (attribute name), and `TOTQMSGs` (column name).

Error Log data set

The Error Log attributes provide information about the messages in the error log of a monitored queue manager. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports). A data sample is sent to the server every minute and is maintained for 8 days by default.

The attributes shown in *italic* are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Installation Name

The name of the installation of the queue manager on which the error occurred. The type is string.

The following names are defined for this attribute: `INSTALLATION_NAME` or `INST_NAME` (historical name), *Installation Name* (caption), `Installation_Name` (attribute name), and `INST_NAME` (column name).

Involved Object

The name of the object that is associated with the reported message, if found in the message. The agent first scans the Message Text field and extracts text from between the first pair of single quotation marks that are found. If none are found, the monitoring agent next scans the Explanation field in the same way. If no text enclosed in single quotation marks is found, the Involved Object field is blank. The type is string.

The following names are defined for this attribute: INVOLVED_OBJECT or INV_OBJ (historical name), *Involved Object* (caption), Involved_Object (attribute name), and INV_OBJ (column name).

Log Date & Time

The date and time of the sample. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LOG_DATE_AND_TIME or LOG_DTTM (historical name), *Log Date & Time* (caption), Log_Date_and_Time (attribute name), and LOG_DTTM (column name).

Message ID

The identifier of the message in the error log of the queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MESSAGE_ID or MSG_ID (historical name), *Message ID* (caption), Message_ID (attribute name), and MSG_ID (column name).

Message Text

The text of the message in the error log of the queue manager. The type is string.

The following names are defined for this attribute: MESSAGE_TEXT_U or UMSG_TEXT (historical name), *Message Text* (caption), Message_Text_U (attribute name), and UMSG_TEXT (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Program Name

The name of the program that encounter the error. The type is string.

The following names are defined for this attribute: PROGRAM_NAME or PROG_NAME (historical name), *Program Name* (caption), Program_Name (attribute name), and PROG_NAME (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), *QMgr Name* (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

User Name

The name of the user ID that runs the program of errors. The type is string.

The following names are defined for this attribute: USER_NAME (historical name), *User Name* (caption), User_Name (attribute name), and USER_NAME (column name).

Error Message Host Name

The host name of the error message. The type is string.

The following names are defined for this attribute: `ERROR_MESSAGE_HOST_NAME` or `MSG_HOST` (historical name), Error Message Host Name (caption), `Error_Message_Host_Name` (attribute name), and `MSG_HOST` (column name).

Explanation

Text that further explains the message in the error log of the queue manager. The type is string.

The following names are defined for this attribute: `EXPLANATION_U` or `UEXPLAN` (historical name), Explanation (caption), `Explanation_U` (attribute name), and `UEXPLAN` (column name).

Explanation (Deprecated)

Text that further explains the message in the error log of the queue manager. The valid format is an alphanumeric string of up to 512 case-sensitive characters. The type is string.

The following names are defined for this attribute: `EXPLANATION` or `EXPLAN` (historical name), Explanation (Deprecated) (caption), `Explanation` (attribute name), and `EXPLAN` (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: `HOST_NAME` (historical name), Host Name (caption), `Host_Name` (attribute name), and `HOST_NAME` (column name).

Message Text (Deprecated)

The text of the message in the error log of the queue manager. The type is string.

The following names are defined for this attribute: `MESSAGE_TEXT` or `MSG_TEXT` (historical name), Message Text (Deprecated) (caption), `Message_Text` (attribute name), and `MSG_TEXT` (column name).

User Action

Text that recommends a user response to the message in the error log of the queue manager. The type is string.

The following names are defined for this attribute: `USER_ACTION_U` or `UUSER_ACT` (historical name), User Action (caption), `User_Action_U` (attribute name), and `UUSER_ACT` (column name).

User Action (Deprecated)

Text that recommends a user response to the message in the error log of the queue manager. The type is string.

The following names are defined for this attribute: `USER_ACTION` or `USER_ACT` (historical name), User Action (Deprecated) (caption), `User_Action` (attribute name), and `USER_ACT` (column name).

Event Archive data set

The Event Archive attributes provide information about the archived MQ events that are reported to a queue manager. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports).

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Appl ID

Not applicable to the current monitoring agent. The application identifier that is associated with the event or message. The type is string.

The following names are defined for this attribute: APPLICATION_IDENTIFIER or EVAP_NAME (historical name), Appl ID (caption), Application_Identifier (attribute name), and EVAP_NAME (column name).

Appl Type

The application type that is associated with the event or message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), Unknown (-1), NoContext (0), CICS (1), MVS (2), IMS (3), OS2 (4), DOS (5), UNIX (6), QMGR (7), OS400 (8), WINDOWS (9), CICS VSE (10), WINDOWS NT (11), VMS (12), GUARDIAN (13), VOS (14), IMS BRIDGE (19), XCF (20), CICS BRIDGE (21), NOTES AGENT (22), USER (25), BROKER (26), QMGR PUBLISH (27), JAVA (28), DQM (29), CHINIT (30), WLM (31), BATCH (32), RRS BATCH (33), SIB (34), SYSTEMEXT (35), MCAST PUBLISH (36), SYSTEM (101), USER FIRST (65536). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: APPLICATION_TYPE or EVAP_TYPE (historical name), Appl Type (caption), Application_Type (attribute name), and EVAP_TYPE (column name).

Event The description of the MQ event (for example, Channel_Stopped). This attribute is a key attribute. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Alias Base Queue Type Error (2001), Get Inhibited (2016), Not Authorized (2035), Put Inhibited (2051), Queue Full (2053), Queue Type Error (2057), Unknown Alias Base Queue (2082), Unknown Object Name (2085), Unknown Remote Queue Manager (2087), Transmission Queue Type Error (2091), Transmission Queue Usage Error (2092), Bridge Started (2125), Bridge Stopped (2126), Remote Queue Name Error (2184), Unknown Transmission Queue (2196), Unknown Default Xmit Queue (2197), Default Xmit Queue Type Error (2198), Default Xmit Queue Usage Error (2199), Queue Manager Active (2222), Queue Manager Not Active (2223), Queue Depth High (2224), Queue Depth Low (2225), Queue Service Interval High (2226), Queue Service Interval OK (2227), Channel Auto Definition OK (2233), Channel Auto Definition Error (2234), Channel Stopped By User (2279), Channel Started (2282), Channel Stopped (2283), Channel Conversion Error (2284), Channel Activated (2295), Channel Not Activated (2296), Configuration Create Object (2367), Configuration Change Object (2368), Configuration Delete Object (2369), Configuration Refresh Object (2370), Channel SSL Error (2371), Logger (2411), Command MQSC (2412), Command PCF (2413), Channel Blocked (2577), Channel Blocked Warning (2578), Subscription Create (2579), Subscription Delete (2580), Subscription Change (2581), Subscription Refresh (2582), Installation Mismatch (2583), Not Privileged (2584), Properties Disabled (2586), Hmsg Not Available (2587), Exit Props Not Supported (2588), Installation Missing (2589), Fastpath Not Available (2590), Cipher Spec Not Suite B (2591), Suite B Error (2592), Reopen Excl Input Error (6100), Reopen Inquire Error (6101), Reopen Saved Context Err (6102), Reopen Temporary Q Error (6103), Attribute Locked (6104), Cursor Not Valid (6105), Encoding Error (6106), Struc Id Error (6107), Null Pointer (6108), No Connection Reference (6109), No Buffer (6110), Binary Data Length Error (6111), Buffer Not Automatic (6112), Insufficient Buffer (6113), Insufficient Data (6114), Data Truncated (6115), Zero Length (6116), Negative Length (6117), Negative Offset (6118), Inconsistent Format (6119), Inconsistent Object State (6120), Context Object Not Valid (6121), Context Open Error (6122), Struc Length Error (6123), Not Connected (6124), Not Open (6125), Distribution List Empty (6126), Inconsistent Open Options (6127), Wrong Version (6128), Reference Error (6129), XR Not Available (6130), Queue Not Full (1002053). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT or EVENT_NAME (historical name), Event (caption), Event (attribute name), and EVENT_NAME (column name).

Event Date & Time

The time and date when the event was posted to the MQ event queue. This attribute is a key attribute. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT_DATE_AND_TIME or EVDAT_TIME (historical name), Event Date & Time (caption), Event_Date_and_Time (attribute name), and EVDAT_TIME (column name).

Event Host Name

The name of the host where this event occurred. This host is not necessarily the host that reported the event. The type is string.

The following names are defined for this attribute: EVENT_HOST_NAME or ORIG_HOST (historical name), Event Host Name (caption), Event_Host_Name (attribute name), and ORIG_HOST (column name).

Event QMgr Name

The name of the queue manager on which this event occurred. This queue manager is not necessarily the queue manager that reported the event. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: EVENT_MQ_MANAGER_NAME or ORIG_QMGR (historical name), Event QMgr Name (caption), Event_MQ_Manager_Name (attribute name), and ORIG_QMGR (column name).

Event Qualifier

The condition that generated the event. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), Connection Not Authorized (1), Open Not Authorized (2), Close Not Authorized (3), Command Not Authorized (4), Queue Manager Stopping (5), Queue Manager Quiescing (6), Channel Stopped OK (7), Channel Stopped Error (8), Channel Stopped Retry (9), Channel Stopped Disabled (10), Bridge Stopped OK (11), Bridge Stopped Error (12), SSL Handshake Error (13), SSL Cipher Spec Error (14), SSL Client Auth Error (15), SSL Peer Name Error (16), Sub Not Authorized (17), Sub Dest Not Authorized (18), Ssl Unknown Revocation (19), Sys Conn Not Authorized (20), Channel Blocked Address (21), Channel Blocked Userid (22), Channel Blocked Noaccess (23), Max Active Channels (24), Max Channels (25), Svrconn Inst Limit (26), Client Inst Limit (27), Caf Not Installed (28), COMMAND NONE (1000), Change Queue Manager (1001), Inquire Queue Manager (1002), Change Process (1003), Copy Process (1004), Create Process (1005), Delete Process (1006), Inquire Process (1007), Change Queue (1008), Clear Queue (1009), Copy Queue (1010), Create Queue (1011), Delete Queue (1012), Inquire Queue (1013), Refresh Queue Manager (1016), Reset Queue Stats (1017), Inquire Queue Names (1018), Inquire Process Names (1019), Inquire Channel Names (1020), Change Channel (1021), Copy Channel (1022), Create Channel (1023), Delete Channel (1024), Inquire Channel (1025), Ping Channel (1026), Reset Channel (1027), Start Channel (1028), Stop Channel (1029), Start Channel Initiator (1030), Start Channel Listener (1031), Change Namelist (1032), Copy Namelist (1033), Create Namelist (1034), Delete Namelist (1035), Inquire Namelist (1036), Inquire Namelist Names (1037), Escape (1038), Resolve Channel (1039), Ping Queue Manager (1040), Inquire Queue Status (1041), Inquire Channel Status (1042), Config Event (1043), Queue Manager Event (1044), Performance Event (1045), Channel Event (1046), Delete Publication (1060), Deregister Publisher (1061), Deregister Subscriber (1062), Publish (1063), Register Publisher (1064), Register Subscriber (1065), Request Update (1066), Broker Internal (1067), Activity Message (1069), Inquire Cluster Queue Manager (1070), Resume Queue Manager Cluster (1071), Suspend Queue Manager Cluster (1072), Refresh Cluster (1073), Reset Cluster (1074), Trace Route (1075), Refresh Security (1078), Change Authentication Information (1079), Copy Authentication Information (1080), Create Authentication Information (1081), Delete Authentication Information (1082), Inquire Authentication Information (1083), Inquire Authentication Information Names (1084), Inquire Connection (1085), Stop Connection (1086), Inquire Authority Records (1087), Inquire Entity Auth (1088), Delete Authority Records (1089), Set Authority Records (1090), Logger Event (1091), Reset Queue Manager (1092), Change Listener (1093), Copy Listener (1094), Create Listener (1095), Delete Listener (1096), Inquire Listener (1097), Inquire Listener Status (1098), Command Event (1099), Change Security (1100), Change CF Structure (1101), Change Storage Class (1102), Change Trace (1103), Archive Log (1104), Backup CF Structure (1105), Create Buffer Pool (1106), Create Page Set (1107), Create CF Structure (1108), Create Storage Class (1109), Copy

CF Structure (1110), Copy Storage Class (1111), Delete CF Structure (1112), Delete Storage Class (1113), Inquire Archive (1114), Inquire CF Structure (1115), Inquire CF Structure Status (1116), Inquire Command Server (1117), Inquire Channel Init (1118), Inquire QSG (1119), Inquire Log (1120), Inquire Security (1121), Inquire Storage Class (1122), Inquire System (1123), Inquire Thread (1124), Inquire Trace (1125), Inquire Usage (1126), Move Queue (1127), Recover BSDS (1128), Recover CF Structure (1129), Reset Tpipe (1130), Resolve Indoubt (1131), Resume Queue Manager (1132), Reverify Security (1133), Set Archive (1134), Set Log (1136), Set System (1137), Start Command Server (1138), Start Queue Manager (1139), Start Trace (1140), Stop Channel Init (1141), Stop Channel Listener (1142), Stop Command Server (1143), Stop Queue Manager (1144), Stop Trace (1145), Suspend Queue Manager (1146), Inquire CF Structure Names (1147), Inquire Storage Class Names (1148), Change Service (1149), Copy Service (1150), Create Service (1151), Delete Service (1152), Inquire Service (1153), Inquire Service Status (1154), Start Service (1155), Stop Service (1156), Delete Buffer Pool (1157), Delete Page Set (1158), Change Buffer Pool (1159), Change Page Set (1160), Inquire Queue Manager Status (1161), Create Log (1162), Statistics MQI (1164), Statistics Queue (1165), Statistics Channel (1166), Accounting MQI (1167), Accounting Queue (1168), Inquire Authority Service (1169), Attributes Before Change (1000001), Attributes After Change (1000002), Change Topic (1170), Copy Topic (1171), Create Topic (1172), Delete Topic (1173), Inquire Topic (1174), Inquire Topic Names (1175), Inquire Subscription (1176), Create Subscription (1177), Change Subscription (1178), Delete Subscription (1179), Clear Subscription (1180), Copy Subscription (1181), Inquire SBStatus (1182), Inquire Topic Status (1183), Clear Topic String (1184), Inquire PubSub Status (1185), Inquire SMDS (1186), Change SMDS (1187), Reset SMDS (1188), Create Communication Information (1190), Inquire Communication Information (1191), Change Communication Information (1192), Copy Communication Information (1193), Delete Communication Information (1194), Purge Channel (1195), MQXR Diagnostics (1196), Start SMDS Connection (1197), Stop SMDS Connection (1198), Inquire SMDS Connection (1199), Inquire MQXR Status (1200), Start Client Trace (1201), Stop Client Trace (1202), Set Channel Authentication Record (1203), Inquire Channel Authentication Records (1204), Inquire Prot Policy (1205), Create Prot Policy (1206), Delete Prot Policy (1207), Change Prot Policy (1208), Activity Trace (1209), Reset CF Structure (1213), Inquire XR Capability (1214). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT_QUALIFIER or EVENT_QUAL (historical name), Event Qualifier (caption), Event_Qualifier (attribute name), and EVENT_QUAL (column name).

Event User ID

The event user ID. The type is string.

The following names are defined for this attribute: EVENT_USER_ID or EV_USERID (historical name), Event User ID (caption), Event_User_ID (attribute name), and EV_USERID (column name).

Internal EventID

The internal identifier that is assigned to the event. The type is string.

The following names are defined for this attribute: EVENT_ID (historical name), Internal EventID (caption), Event_ID (attribute name), and EVENT_ID (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Reporting Host Name

The name of the host that reported this event. This host is not necessarily the host where the event occurred. The type is string.

The following names are defined for this attribute: REPORTING_HOST_NAME or HOST_NAME (historical name), Reporting Host Name (caption), Reporting_Host_Name (attribute name), and HOST_NAME (column name).

Reporting Qmgr Name

The name of the queue manager that reported this event. This queue manager is not necessarily the queue manager where the event occurred). The type is string.

The following names are defined for this attribute: REPORTING_MQ_MANAGER_NAME or QMNAME (historical name), Reporting Qmgr Name (caption), Reporting_MQ_Manager_Name (attribute name), and QMNAME (column name).

Resource Name

The name of the MQ resource (channel or queue) where the event occurred. The valid format is an alphanumeric string of up to 256 case-sensitive characters. The type is string.

The following names are defined for this attribute: RESOURCE_NAME_U or UEV_RESRC (historical name), Resource Name (caption), Resource_Name_U (attribute name), and UEV_RESRC (column name).

Sequence ID

The sequence identifier of the event details when the details about an event are too many and must be split into several rows. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SEQUENCE_ID or SEQ_ID (historical name), Sequence ID (caption), Sequence_ID (attribute name), and SEQ_ID (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

XML Event Details

Event parameter details that are shown in the form of XML attributes. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports). The type is string.

The following names are defined for this attribute: EVENT_DETAILS or UEV_DET (historical name), XML Event Details (caption), Event_Details (attribute name), and UEV_DET (column name).

Event Details data set

The Event Parameters attributes provide details about the event parameters, including name, description, and value.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Application Type

The application type. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (-1), NoContext (0), CICS (1), MVS (2), IMS (3), OS2 (4), DOS (5), UNIX (6), QMGR (7), OS400 (8), WINDOWS (9), CICS VSE (10), WINDOWS NT (11), VMS (12), GUARDIAN (13), VOS (14), IMS BRIDGE (19), XCF (20), CICS BRIDGE (21), NOTES AGENT (22), USER (25), BROKER (26), QMGR PUBLISH (27), JAVA (28), DQM (29), CHINIT (30), WLM (31), BATCH (32), RRS BATCH (33), SIB (34), SYSTEMEXT (35), MCAST PUBLISH (36), SYSTEM (101), USER FIRST (65536). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: APPLICATION_TYPE or APPLTYPE (historical name), Application Type (caption), Application_Type (attribute name), and APPLTYPE (column name).

Backout Harden

Indicates whether the backout count is accurately retained if the queue manager is restarted. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: NoHardenBO (0), HardenBO (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BACKOUT_HARDEN or HARDENBO (historical name), Backout Harden (caption), Backout_Harden (attribute name), and HARDENBO (column name).

Bridge Type

The bridge type. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: OTMA (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BRIDGE_TYPE or BRIDGETYPE (historical name), Bridge Type (caption), Bridge_Type (attribute name), and BRIDGETYPE (column name).

CF Structure Recovery

Not applicable to the current monitoring agent. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Yes (1), No (0). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CF_STRUCTURE_RECOVERY or CFRECOVER (historical name), CF Structure Recovery (caption), CF_Structure_Recovery (attribute name), and CFRECOVER (column name).

Channel Auto Definition

Indicates whether receiver- and server-connection channels are to be defined automatically. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_AUTO_DEFINITION or CHAD (historical name), Channel Auto Definition (caption), Channel_Auto_Definition (attribute name), and CHAD (column name).

Channel Type

The channel type. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: SDR (1), SVR (2), RCVR (3), RQSTR (4), All (5), CLNTCONN (6), SVRCONN (7), CLUSRCVR (8), CLUSSDR (9). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_TYPE or CHNLTYPE (historical name), Channel Type (caption), Channel_Type (attribute name), and CHNLTYPE (column name).

Cluster Queue Type

The type of the cluster queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Local (1), Alias (2), Remote (3), Qmgr (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_QUEUE_TYPE or CLUSQT (historical name), Cluster Queue Type (caption), Cluster_Queue_Type (attribute name), and CLUSQT (column name).

Command

The command sent. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Change Queue Manager (1), Inquire Queue Manager (2), Change Process (3), Copy Process (4), Create Process (5), Delete Process (6), Inquire Process (7), Change Queue (8), Clear Queue (9), Copy Queue (10), Create Queue (11), Delete Queue (12), Inquire Queue (13), Refresh Queue Manager (16), Reset Queue Statistics (17), Inquire Queue Names (18), Inquire Process Names (19), Inquire Channel Names (20), Change Channel (21), Copy Channel

(22), Create Channel (23), Delete Channel (24), Inquire Channel (25), Ping Channel (26), Reset Channel (27), Start Channel (28), Stop Channel (29), Start Channel Initiator (30), Start Channel Listener (31), Change Namelist (32), Copy Namelist (33), Create Namelist (34), Delete Namelist (35), Inquire Namelist (36), Inquire Namelist Names (37), Escape (38), Resolve Channel (39), Ping Queue Manager (40), Inquire Queue Status (41), Inquire Channel Status (42), Config Event (43), Queue Manager Event (44), Performance Event (45), Channel Event (46), Delete Publication (60), Deregister Publisher (61), Deregister Subscriber (62), Publish (63), Register Publisher (64), Register Subscriber (65), Request Update (66), Broker Internal (67), Activity Message (69), Inquire Cluster Queue Manger (70), Resume Cluster Queue Manager (71), Suspend Cluster Queue Manager (72), Refresh Cluster (73), Reset Cluster (74), Trace Route (75), Refresh Security (78), Change Authentication Information (79), Copy Authentication Information (80), Create Authentication Information (81), Delete Authentication Information (82), Inquire Authentication Information (83), Inquire Authentication Information Names (84), Inquire Connection (85), Stop Connection (86), Inquire Authority Records (87), Inquire Entity Auth (88), Delete Authority Records (89), Set Authority Records (90), Logger Event (91), Reset Queue Manager (92), Change Listener (93), Copy Listener (94), Create Listener (95), Delete Listener (96), Inquire Listener (97), Inquire Listener Status (98), Command Event (99), Change Security (100), Change CF Structure (101), Change Storage Class (102), Change Trace (103), Archive Log (104), Backup CF Structure (105), Create Buffer Pool (106), Create Page Set (107), Create CF Structure (108), Create Storage Class (109), Copy CF Structure (110), Copy Storage Class (111), Delete CF Structure (112), Delete Storage Class (113), Inquire Archive (114), Inquire CF Structure (115), Inquire CF Structure Status (116), Inquire Command Server (117), Inquire Channel Init (118), Inquire QSG (119), Inquire Log (120), Inquire Security (121), Inquire Storage Class (122), Inquire System (123), Inquire Thread (124), Inquire Trace (125), Inquire Usage (126), Move Queue (127), Recover BSDS (128), Recover CF Structure (129), Reset Tpipe (130), Resolve Indoubt (131), Resume Queue Manager (132), Reverify Security (133), Set Archive (134), Set Log (136), Set System (137), Start Command Server (138), Start Queue Manager (139), Start Trace (140), Stop Channel Init (141), Stop Channel Listener (142), Stop Command Server (143), Stop Queue Manager (144), Stop Trace (145), Suspend Queue Manager (146), Inquire CF Structure Names (147), Inquire Storage Class Names (148), Change Service (149), Copy Service (150), Create Service (151), Delete Service (152), Inquire Service (153), Inquire Service Status (154), Start Service (155), Stop Service (156), Delete Buffer Pool (157), Delete Page Set (158), Change Buffer Pool (159), Change Page Set (160), Inquire Queue Manager Status (161), Create Log (162), Statistics MQI (164), Statistics Queue (165), Statistics Channel (166), Accounting MQI (167), Accounting Queue (168), Inquire Authority Service (169), Change Topic (170), Copy Topic (171), Create Topic (172), Delete Topic (173), Inquire Topic (174), Inquire Topic Names (175), Inquire Subscription (176), Create Subscription (177), Change Subscription (178), Delete Subscription (179), Clear Subscription (180), Copy Subscription (181), Inquire SBStatus (182), Inquire Topic Status (183), Clear Topic String (184), Inquire PubSub Status (185), Inquire SMDS (186), Change SMDS (187), Reset SMDS (188), Create Communication Information (190), Inquire Communication Information (191), Change Communication Information (192), Copy Communication Information (193), Delete Communication Information (194), Purge Channel (195), MQXR Diagnostics (196), Start SMDS Connection (197), Stop SMDS Connection (198), Inquire SMDS Connection (199), Inquire MQXR Status (200), Start Client Trace (201), Stop Client Trace (202), Set Channel Authentication Record (203), Inquire Channel Authentication Records (204), Inquire Prot Policy (205), Create Prot Policy (206), Delete Prot Policy (207), Change Prot Policy (208), Activity Trace (209), Reset CF Structure (213), Inquire XR Capability (214). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: COMMAND (historical name), Command (caption), Command (attribute name), and COMMAND (column name).

Conversion Reason

The conversion reason code identifies the reason for the failure. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Truncated Message Accepted (2079), Truncated Message Failed (2080), Message Format Not Valid (2110), Source CCSID Not Valid (2111), Source Integer Encoding Error (2112), Source Decimal Encoding Error (2113), Source Float Encoding Error (2114), Target CCSID Not Valid (2115), Target Integer

Encoding Error (2116), Target Decimal Encoding Error (2117), Target Float Encoding Error (2118), Message Data Not Converted (2119), Converted Message Too Big (2120). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `CONVERSION_REASON` or `CONVREASON` (historical name), Conversion Reason (caption), `Conversion_Reason` (attribute name), and `CONVREASON` (column name).

Default Input Share Opt

The default input open option. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `AsQDef` (1), `Shared` (2), `Excl` (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `DEFAULT_INPUT_SHARE_OPT` or `DEFSOPT` (historical name), Default Input Share Opt (caption), `Default_Input_Share_Opt` (attribute name), and `DEFSOPT` (column name).

Default Message Binding

Specifies the binding to be used when the application specifies `MQ00_BIND_AS_Q_DEF` on the `MQOPEN` call, and the queue is a cluster queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `Open` (0), `NotFixed` (1), `OnGroup` (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `DEFAULT_MESSAGE_BINDING` or `DEFBIND` (historical name), Default Message Binding (caption), `Default_Message_Binding` (attribute name), and `DEFBIND` (column name).

Default Persistence

The default persistence of messages published to the topic. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `n/a` (-2), `AsParent` (-1), `No` (0), `Yes` (1), `AsQueue/AsTopic` (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `DEFAULT_PERSISTENCE` or `DEFPSIST` (historical name), Default Persistence (caption), `Default_Persistence` (attribute name), and `DEFPSIST` (column name).

Definition Type

Indicates how channel is defined in the cluster. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `Predefined` (1), `PermDyn` (2), `TempDyn` (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `DEFINITION_TYPE` or `DEFTYPE` (historical name), Definition Type (caption), `Definition_Type` (attribute name), and `DEFTYPE` (column name).

Different User

Specifies the user who can connect to this subscription. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `n/a` (-1), `Fixed` (1), `Any` (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `DIFFERENT_USER` or `VARUSER` (historical name), Different User (caption), `Different_User` (attribute name), and `VARUSER` (column name).

Distribution Lists

Indicates whether there is a distribution list. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `No` (0), `Yes` (1), `Disabled` (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `DISTRIBUTION_LISTS` or `DISTL` (historical name), Distribution Lists (caption), `Distribution_Lists` (attribute name), and `DISTL` (column name).

Durable

Indicates whether durable subscriptions are allowed. The type is integer (32-bit numeric property)

with enumerated values. The following values are defined: n/a (-1), Yes (1), No (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DURABLE (historical name), Durable (caption), Durable (attribute name), and DURABLE (column name).

Durable Subscription

Indicates whether durable subscriptions are permitted. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), AsParent (0), Yes (1), No (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DURABLE_SUBSCRIPTION or DURSUB (historical name), Durable Subscription (caption), Durable_Subscription (attribute name), and DURSUB (column name).

Event The event name. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Alias Base Queue Type Error (2001), Get Inhibited (2016), Not Authorized (2035), Put Inhibited (2051), Queue Full (2053), Queue Type Error (2057), Unknown Alias Base Queue (2082), Unknown Object Name (2085), Unknown Remote Queue Manager (2087), Transmission Queue Type Error (2091), Transmission Queue Usage Error (2092), Bridge Started (2125), Bridge Stopped (2126), Remote Queue Name Error (2184), Unknown Transmission Queue (2196), Unknown Default Xmit Queue (2197), Default Xmit Queue Type Error (2198), Default Xmit Queue Usage Error (2199), Queue Manager Active (2222), Queue Manager Not Active (2223), Queue Depth High (2224), Queue Depth Low (2225), Queue Service Interval High (2226), Queue Service Interval OK (2227), Channel Auto Definition OK (2233), Channel Auto Definition Error (2234), Channel Stopped By User (2279), Channel Started (2282), Channel Stopped (2283), Channel Conversion Error (2284), Channel Activated (2295), Channel Not Activated (2296), Configuration Create Object (2367), Configuration Change Object (2368), Configuration Delete Object (2369), Configuration Refresh Object (2370), Channel SSL Error (2371), Logger (2411), Command MQSC (2412), Command PCF (2413), Channel Blocked (2577), Channel Blocked Warning (2578), Subscription Create (2579), Subscription Delete (2580), Subscription Change (2581), Subscription Refresh (2582), Installation Mismatch (2583), Not Privileged (2584), Properties Disabled (2586), Hmsg Not Available (2587), Exit Props Not Supported (2588), Installation Missing (2589), Fastpath Not Available (2590), Cipher Spec Not Suite B (2591), Suite B Error (2592), Reopen Excl Input Error (6100), Reopen Inquire Error (6101), Reopen Saved Context Err (6102), Reopen Temporary Q Error (6103), Attribute Locked (6104), Cursor Not Valid (6105), Encoding Error (6106), Struc Id Error (6107), Null Pointer (6108), No Connection Reference (6109), No Buffer (6110), Binary Data Length Error (6111), Buffer Not Automatic (6112), Insufficient Buffer (6113), Insufficient Data (6114), Data Truncated (6115), Zero Length (6116), Negative Length (6117), Negative Offset (6118), Inconsistent Format (6119), Inconsistent Object State (6120), Context Object Not Valid (6121), Context Open Error (6122), Struc Length Error (6123), Not Connected (6124), Not Open (6125), Distribution List Empty (6126), Inconsistent Open Options (6127), Wrong Version (6128), Reference Error (6129), XR Not Available (6130), Queue Not Full (1002053). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT (historical name), Event (caption), Event (attribute name), and EVENT (column name).

Event Date & Time

The date and time that the event is posted to the MQ event queue. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT_DATE_AND_TIME or EVDAT_TIME (historical name), Event Date & Time (caption), Event_Date_and_Time (attribute name), and EVDAT_TIME (column name).

Event Origin

Indicates the origin of the event. The type is integer (32-bit numeric property) with enumerated

values. The following values are defined: Other (0), Console (1), Init (2), Message (3), MQSET (4), Internal (5). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT_ORIGIN or ORIGIN (historical name), Event Origin (caption), Event_Origin (attribute name), and ORIGIN (column name).

Event Reporting

Indicates whether event reporting is enabled. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), Exception (2), NoDisplay (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT_REPORTING or EVENTRPT (historical name), Event Reporting (caption), Event_Reporting (attribute name), and EVENTRPT (column name).

Expiry Time to live from Creation Date & Time (in seconds). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unlimited (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EXPIRY (historical name), Expiry (caption), Expiry (attribute name), and EXPIRY (column name).

Get Status

Indicates whether the current queue is enabled for gets (that is, whether applications can call MQ API routine MQGET for this queue). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Enabled (0), Disabled (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_STATUS or GET (historical name), Get Status (caption), Get_Status (attribute name), and GET (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Internal EventID

The internal identifier that is assigned to the event. The type is string.

The following names are defined for this attribute: EVENT_ID (historical name), Internal EventID (caption), Event_ID (attribute name), and EVENT_ID (column name).

Intra Group Queuing

Not applicable to the current monitoring agent. Indicates whether intra-group queuing is enabled. This attribute is applicable only if the local queue manager is a member of a queue-sharing group. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTRA_GROUP_QUEUING or IGQ (historical name), Intra Group Queuing (caption), Intra_Group_Queueing (attribute name), and IGQ (column name).

Intra Group Queuing Put Authority

Not applicable to the current monitoring agent. Indicates the type of authority checking that is performed when the local intra-group queuing agent (IGQ agent) removes a message from the shared transmission queue and places the message on a local queue. This attribute is applicable only if the local queue manager is a member of a queue-sharing group. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Default (1), Context (2), Only IGQ (3), Alternate OR IGQ (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTRA_GROUP_QUEUING_PUT_AUTHORITY or IGQPUTAU (historical name), Intra Group Queuing Put Authority (caption), Intra_Group_Queueing_Put_Authority (attribute name), and IGQPUTAU (column name).

Keep Alive Interval

The timeout value for a channel. If the channel is idle for the length of time that is specified by this attribute (in seconds), the queue polls the other queue that is connected to the channel to ensure that the connection is still functioning. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: AUTO (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: KEEP_ALIVE_INTERVAL or KAINTE (historical name), Keep Alive Interval (caption), Keep_Alive_Interval (attribute name), and KAINTE (column name).

MCA Program Type

Indicates the message channel agent (MCA) program runs as a thread or as a process. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Process (1), Thread (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MCA_PROGRAM_TYPE or MCATYPE (historical name), MCA Program Type (caption), MCA_Program_Type (attribute name), and MCATYPE (column name).

Message Delivery Sequence

The message delivery sequence. Specifies to get messages from the queue in order of their priority, or to get messages from the queue in the order that they were put on the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Priority (0), FIFO (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_DELIVERY_SEQUENCE or MSGDLVSQ (historical name), Message Delivery Sequence (caption), Message_Delivery_Sequence (attribute name), and MSGDLVSQ (column name).

Message Priority

The message priority. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: AsParent (-2), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_PRIORITY or DEFPRTY (historical name), Message Priority (caption), Message_Priority (attribute name), and DEFPRTY (column name).

Message Put Response Type

The response type for message puts. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: AsParent (0), Sync (1), Async (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_PUT_RESPONSE_TYPE or DEFPRESP (historical name), Message Put Response Type (caption), Message_Put_Response_Type (attribute name), and DEFPRESP (column name).

Multiple App Get Msg

Indicates whether to share the queue so that more than one instance of an application can open this queue for input. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: NoShare (0), Share (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MULTIPLE_APP_GET_MSG or SHARE (historical name), Multiple App Get Msg (caption), Multiple_App_Get_Msg (attribute name), and SHARE (column name).

Namelist Type

The type of the namelist. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), Queue (1), Cluster (2), AuthInfo (4), All (1001). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NAMELIST_TYPE or NLTYPE (historical name), Namelist Type (caption), Namelist_Type (attribute name), and NLTYPE (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Non Persist Msg Speed

The speed at which nonpersistent messages travel through the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Normal (1), Fast (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NON_PERSIST_MSG_SPEED or NPMSPEED (historical name), Non Persist Msg Speed (caption), Non_Persist_Msg_Speed (attribute name), and NPMSPEED (column name).

Non-Persistent Message Delivery

The delivery mechanism for non-persistent messages published to this topic. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), AsParent (0), All (1), AllDurable (2), AllAvailable (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NON-PERSISTENT_MESSAGE_DELIVERY or NPMSGDLV (historical name), Non-Persistent Message Delivery (caption), Non-Persistent_Message_Delivery (attribute name), and NPMSGDLV (column name).

Object Type

The object type. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Queue (1), Namelist (2), Process (3), StorageClass (4), QMgr (5), Channel (6), AuthInfo (7), Topic (8), CFStructure (10), Listener (11), Service (12), Subscriber (13), ChannelAuthentication (1016). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OBJECT_TYPE or OBJTYPE (historical name), Object Type (caption), Object_Type (attribute name), and OBJTYPE (column name).

Parameter Description

The parameter name of detail for the event. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Event (0), ApplType (1), CodedCharSetId (2), CurrentQDepth (3), DefInputOpenOption (4), DefPersistence (5), DefPriority (6), DefinitionType (7), HardenGetBackout (8), InhibitGet (9), InhibitPut (10), MaxHandles (11), Usage (12), MaxMsgLength (13), MaxPriority (14), QDepth (15), MsgDeliverySequence (16), OpenInputCount (17), OpenOutputCount (18), NameCount (19), Qtype (20), RetentionInterval (21), BackoutThreshold (22), Shareability (23), TriggerControl (24), TriggerInterval (25), TriggerMsgPriority (26), CPILevel (27), TriggerType (28), TriggerDepth (29), Syncpoint (30), CommandLevel (31), Platform (32), MaxUncommittedMsgs (33), DistributionList (34), TimeSinceReset (35), HighQDepth (36), MsgEnqCount (37), MsgDeqCount (38), ExpiryInterval (39), QDepthHighLimit (40), QDepthLowLimit (41), QDepthMaxEvent (42), QDepthHighEvent (43), QDepthLowEvent (44), Scope (45), QueueServiceIntervalEvent (46), AuthorityEvent (47), InhibitEvent (48), LocalEvent (49), RemoteEvent (50), ConfigurationEvent (51), StartStopEvent (52), PerformanceEvent (53), QServiceInterval (54), ChannelAutoDef (55), ChannelAutoDefEvent

(56), IndexType (57), ClusterWorkloadLength (58), ClusterQType (59), Archive (60), DefBind (61), PagesetId (62), QSGDisp (63), IntraGroupQueueing (64), IGQPutAuthority (65), AuthInfoType (66), MsgMarkBrowseInterval (68), SSLTasks (69), CFLevel (70), CFRecover (71), LastUsed (72), ChannelEvent (73), BridgeEvent (74), SSlEvent (75), SSLResetCount (76), SharedQQMgrName (77), NPMClass (78), MaxOpenQueue (80), MonitorInterval (81), QueueUsers (82), MaxGlobalLocks (83), MaxLocalLocks (84), ListenerPortNumber (85), BatchInterfaceAuto (86), CmdServerAuto (87), CmdServerConvertMsg (88), CmdServerDlqMsg (89), MaxQueueTriggers (90), TriggerRestart (91), SSLFIPSRequired (92), IPAddressVersion (93), LoggerEvent (94), CLWLQRank (95), CLWLQPriority (96), CLWLMRUChannels (97), CLWLUseQ (98), CommandEvent (99), MaxActiveChannels (100), ChinitAdapters (101), AdoptNewMCACheck (102), AdoptNewMCAType (103), ChinitDispatchers (105), DNSWLM (106), ListenerTimer (107), LU62Channels (108), MaxChannels (109), OutboundPortMin (110), ReceiveTimeout (111), ReceiveTimeoutType (112), ReceiveTimeoutMin (113), TCPChannels (114), TCPKeepAlive (115), TCPStackType (116), ChinitTraceAutoStart (117), ChinitTraceTableSize (118), ChannelInitiatorControl (119), CommandServerControl (120), ServiceType (121), MonitoringChannel (122), MonitoringQ (123), MonitoringAutoClusSdr (124), MQIStatistics (127), QueueStatistics (128), ChannelStatistics (129), ClusterSenderMonitoringDefault (130), StatisticsInterval (131), MQIAccounting (133), AccountingQ (134), AccountingInterval (135), AccountingConnOverride (136), TraceRouteRecording (137), ActivityRecording (138), StartMode (139), OutboundPortMax (140), SecurityCase (141), QMOPTCsmtOnError (150), QMOPTConsInfoMsgs (151), QMOPTConsWarningMsgs (152), QMOPTConsErrorMsgs (153), QMOPTConsCriticalMsgs (154), QMOPTConsCommsMsgs (155), QMOPTConsReorgMsgs (156), QMOPTConsSystemMsgs (157), QMOPTLogInfoMsgs (158), QMOPTLogWarningMsgs (159), QMOPTLogErrorMsgs (160), QMOPTLogCriticalMsgs (161), QMOPTLogCommsMsgs (162), QMOPTLogReorgMsgs (163), QMOPTLogSystemMsgs (164), QMOPTTraceMQICalls (165), QMOPTTraceComms (166), QMOPTTraceReorg (167), QMOPTTraceConversion (168), QMOPTTraceSystem (169), QMOPTInternalDump (170), MaxRecoveryTasks (171), MaxClients (172), AutoReorganization (173), AutoReorgInterval (174), DurableSubs (175), Multicast (176), MonitoringTopic (177), InhibitPub (181), InhibitSub (182), TreeLifeTime (183), DefPutResponseType (184), TopicDefPersistence (185), MasterAdmin (186), PubSubMode (187), DefReadAhead (188), ReadAhead (189), PropertyControl (190), MaxPropertiesLength (192), BaseType (193), PMDelivery (195), NPMDelivery (196), ProxySub (199), PubSubNPMsg (203), SubCount (204), PubSubNPResp (205), PubSubMaxmsgRetryCount (206), PubSubSyncPt (207), TopicType (208), PubCount (215), WildcardOperation (216), SubScope (218), PubScope (219), CommInfoType (223), CFOffload (224), CFOffloadThreshold1 (225), CFOffloadThreshold2 (226), CFOffloadThreshold3 (227), CFMSDSBuffers (228), CFOfflduse (229), MaxResponses (230), ResponseRestartPoint (231), COMMEvent (232), MCastBridge (233), UseDeadLetterQ (234), TolerateUnprotected (235), SignatureAlgorithm (236), EncryptionAlgorithm (237), PolicyVersion (238), ActivityConnOverride (239), ActivityTrace (240), SubConfigurationEvent (242), XrCapability (243), CFRecauto (244), CFConlos (246), SuiteBStrength (247), ChlauthRecords (248), PubsubCluster (249), QueueManagerAttrs (1001), QueueAttrs (1002), ProcessAttrs (1003), NamelistAttrs (1004), Force (1005), Replace (1006), Purge (1007), Quiesce (1008), All (1009), EventApplType (1010), EventOrigin (1011), ParameterID (1012), ErrorIdentifier (1013), Selector (1014), ChannelAttrs (1015), ObjectType (1016), EscapeType (1017), ErrorOffset (1018), AuthInfoAttrs (1019), ReasonQualifier (1020), Command (1021), Options (1022), OpenType (1023), ProcessID (1024), ThreadID (1025), QueueStatusAttrs (1026), UncommittedMsgs (1027), HandleState (1028), AuxErrorDataInt1 (1070), AuxErrorDataInt2 (1071), ConversionReasonCode (1072), BridgeType (1073), Inquiry (1074), WaitInterval (1075), Options (1076), BrokerOptions (1077), RefreshType (1078), SequenceNumber (1079), IntegerData (1080), RegistrationOptions (1081), PublicationOptions (1082), ClusterInfo (1083), QueueManagerDefinitionType (1084), QueueManagerType (1085), Action (1086), Suspend (1087), BrokerCount (1088), ApplCount (1089), AnonymousCount (1090), RegRegOptions (1091), DeleteOptions (1092), ClusterQMGrAttrs (1093), RefreshInterval (1094), RefreshRepository (1095), RemoveQueues (1096), OpenInputType (1098), OpenOutput (1099), OpenSet (1100), OpenInquire (1101), OpenBrowse (1102), QueueStatusType (1103), QueueHandle (1104), QueueStatus (1105), SecurityType (1106), ConnectionAttrs (1107), ConnectOptions (1108), ConnInfoType (1110), ConnInfoConn (1111), ConnInfoHandle (1112),

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(3184), RecoveryTime (3185), SMDSConn (3186), CFStrucName (3187), AlternateUserid (3188), CharAttrs (3189), DynamicQName (3190), HostName (3191), MQCBName (3192), ObjectString (3193), ResolvedLocalQMgr (3194), ResolvedLocalQName (3195), ResolvedObjectString (3196), ResolvedQMgr (3197), SelectionString (3198), XAInfo (3199), ApplFunction (3200), XQHRemoteQName (3201), XQHRemoteQMgr (3202), XQHPutTime (3203), XQHPutDate (3204), ChannelName (3501), Desc (3502), ModeName (3503), TPName (3504), XmitQName (3505), ConnectionName (3506), MCAName (3507), SecExitName (3508), MsgExitName (3509), SendExitName (3510), RcvExitName (3511), ChannelNames (3512), SecExitUserData (3513), MsgExitUserData (3514), SendExitUserData (3515), RcvExitUserData (3516), UserId (3517), Password (3518), LocalAddress (3520), NetBIOSLocalName (3521), LastMsgTime (3524), LastMsgDate (3525), MCAUserId (3527), ChannelStartTime (3528), ChannelStartDate (3529), MCAJobName (3530), LastLUWID (3531), CurrentLUWID (3532), Format (3533), MRExitName (3534), MRExitUserData (3535), SSLCipherSpec (3544), SSLPeerName (3545), SSLHandshakeStage (3546), SSLShortPeerName (3547), RemoteAppITag (3548), SSLCertUserId (3549), SSLCertIssuerName (3550), LU Name (3551), IPAddress (3552), TCP Name (3553), ListenerName (3554), ListenerDesc (3555), ListenerStartDate (3556), ListenerStartTime (3557), SSLKeyResetDate (3558), SSLKeyResetTime (3559), RemoteVersion (3560), RemoteProduct (3561), GroupAddress (3562), JassConfig (3563), ClientId (3564), SSLKeyPassphrase (3565), ConnectionNameList (3566), ClientUserIdentifier (3567), MCAUserIdList (3568), SSLCipherSuite (3569), EventAccountingToken (7001), EventSecurityID (7002), ResponseSet (7003), ResponseID (7004), ExternalUOWID (7005), ConnectionID (7006), GenericConnectionID (7007), OriginUOWID (7008), QMGRUOWID (7009), AccountingToken (7010), CorrelID (7011), GroupID (7012), MsgID (7013), CFLEID (7014), DestinationCorrelID (7015), SubID (7016), AlternateSecurityId (7019), MessageData (7020), MQBOStruct (7021), MQCBFunction (7022), MQCBCStruct (7023), MQCBDStruct (7024), MQCDStruct (7025), MQCNOStruct (7026), MQGMOStruct (7027), MQMDStruct (7028), MQPMOStruct (7029), MQSDStruct (7030), MQSTSStruct (7031), SubCorrelId (7032), XA XID (7033), XQHCorrelId (7034), XQHMsgId (7035), Instances (1001001). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PARAMETER_DESCRIPTION or PARM_NAME (historical name), Parameter Description (caption), Parameter_Description (attribute name), and PARM_NAME (column name).

Parameter Type

The type of the parameter. The type is string.

The following names are defined for this attribute: PARAMETER_TYPE or PARM_TYPE (historical name), Parameter Type (caption), Parameter_Type (attribute name), and PARM_TYPE (column name).

Parameter Value

The value of the parameter. The type is string.

The following names are defined for this attribute: PARAMETER_VALUE_U or UPARAM_VAL (historical name), Parameter Value (caption), Parameter_Value_U (attribute name), and UPARAM_VAL (column name).

Parameter Value (Deprecated)

The value of the parameter. This attribute has been deprecated. The type is string.

The following names are defined for this attribute: PARAMETER_VALUE or PARM_VALUE (historical name), Parameter Value (Deprecated) (caption), Parameter_Value (attribute name), and PARM_VALUE (column name).

Persistent Message Delivery

The delivery mechanism for persistent messages published to this topic. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), AsParent (0), All (1), AllDurable (2), AllAvailable (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PERSISTENT_MESSAGE_DELIVERY or PMSGDLV (historical name), Persistent Message Delivery (caption), Persistent_Message_Delivery (attribute name), and PMSGDLV (column name).

Platform

The architecture of the platform. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: MVS (1), OS2 (2), UNIX (3), OS400 (4), Windows (5), NT (11), VMS (12), NSK (13), VSE (27), AIX (1000), HPUX (1001), Solaris (1002), Guardian (1003), Linux (1004). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PLATFORM (historical name), Platform (caption), Platform (attribute name), and PLATFORM (column name).

Proxy Subscription

The proxy subscription. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: AsParent (0), Force (1), FirstUse (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PROXY_SUBSCRIPTION or PROXYSUB (historical name), Proxy Subscription (caption), Proxy_Subscription (attribute name), and PROXYSUB (column name).

Publication Enabled

Indicates whether publications are allowed. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), AsParent (0), No (1), Yes (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBLICATION_ENABLED or PUBENBL (historical name), Publication Enabled (caption), Publication_Enabled (attribute name), and PUBENBL (column name).

Publication Property

The priority of the message sent to this subscription. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Yes (1), No (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBLICATION_PROPERTY or PUBPRTY (historical name), Publication Property (caption), Publication_Property (attribute name), and PUBPRTY (column name).

Publication Scope

The scope of publications. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: All (0), AsParent (1), Cluster (2), Hierarchy (3), QMgr (4), Force All (5), Force QMgr (6). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBLICATION_SCOPE or PUBSCOPE (historical name), Publication Scope (caption), Publication_Scope (attribute name), and PUBSCOPE (column name).

Publish Subscriber Manner

The pub/sub delivery method. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), Compat (1), RFH2 (2), MsgProp (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBLISH_SUBSCRIBER_MANNER or PSPROP (historical name), Publish Subscriber Manner (caption), Publish_Subscriber_Manner (attribute name), and PSPROP (column name).

Put Authority

Specifies the type of security processing to be carried out by the MCA. The type is integer (32-bit

numeric property) with enumerated values. The following values are defined: Default (1), Context (2), MCA Only (3), Alternate or MCA (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_AUTHORITY or PUTAUT (historical name), Put Authority (caption), Put_Authority (attribute name), and PUTAUT (column name).

Put Status

Indicates whether the current queue is enabled for puts (that is, whether applications may call MQ API routines MQPUT or MQPUT1 for this queue). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Enabled (0), Disabled (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_STATUS or PUT (historical name), Put Status (caption), Put_Status (attribute name), and PUT (column name).

Q Defn Scope

The queue definition scope. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: QMGR (1), Cell (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: Q_DEFN_SCOPE or SCOPE (historical name), Q Defn Scope (caption), Q_Defn_Scope (attribute name), and SCOPE (column name).

QMgr Name

The name that is assigned to this queue manager. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Queue Index

The queue index. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), MsgID (1), CorrelID (2), MsgToken (4), GroupID (5). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_INDEX or INDXTYPE (historical name), Queue Index (caption), Queue_Index (attribute name), and INDXTYPE (column name).

Queue Sharing Group Disposition

Not applicable to the current monitoring agent. Indicates the disposition of the channel in a queue-sharing group environment. This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), All (-1), QMGR (0), COPY (1), SHARED (2), GROUP (3), PRIVATE (4), LIVE (6). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_SHARING_GROUP_DISPOSITION or QSGDISP (historical name), Queue Sharing Group Disposition (caption), Queue_Sharing_Group_Disposition (attribute name), and QSGDISP (column name).

Queue Type

The type of the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Local (1), Model (2), Alias (3), Remote (6), Cluster (7), All (1001). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_TYPE or QTYPE (historical name), Queue Type (caption), Queue_Type (attribute name), and QTYPE (column name).

Queue Usage

The queue usage, either Normal, XmitQ (for a transmission queue), or n/a. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Normal (0), XmitQ (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_USAGE or USAGE (historical name), Queue Usage (caption), Queue_Usage (attribute name), and USAGE (column name).

Reason Qualifier

Identifier that qualifies the reason code. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Connection (Type 1) (1), Open (Type 2) (2), Close (Type 3) (3), Command (Type 4) (4), Stopping (5), Quiescing (6), OK (7), Error (8), Retry (9), Disabled (10), OK (11), Error (12), Handshake (13), Cipher Spec (14), Client Auth (15), Peer Name (16), Subscribe (Type 5) (17), SubscribeDest (Type 6) (18), Ssl Unknown Revocation (19), Sys Conn Not Authorized (20), Channel Blocked Address (21), Channel Blocked Userid (22), Channel Blocked Noaccess (23), Max Active Channels (24), Max Channels (25), Svrconn Inst Limit (26), Client Inst Limit (27), Caf Not Installed (28). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: REASON_QUALIFIER or REASONQUAL (historical name), Reason Qualifier (caption), Reason_Qualifier (attribute name), and REASONQUAL (column name).

Request Only

Indicates whether the subscriber will request update. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Yes (1), No (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: REQUEST_ONLY or REQONLY (historical name), Request Only (caption), Request_Only (attribute name), and REQONLY (column name).

Sending MCA Convert

Indicates whether the sending MCA is to convert the message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SENDING_MCA_CONVERT or CONVERT (historical name), Sending MCA Convert (caption), Sending_MCA_Convert (attribute name), and CONVERT (column name).

Sequential Delivery

Specifies whether sequential delivery applies. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SEQUENTIAL_DELIVERY or DELIVER (historical name), Sequential Delivery (caption), Sequential_Delivery (attribute name), and DELIVER (column name).

SSL Client Authentication

Specifies whether the channel needs to receive and authenticate a TLS certificate from a TLS client. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: REQUIRED (0), OPTIONAL (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SSL_CLIENT_AUTHENTICATION or SSLCLAUT (historical name), SSL Client Authentication (caption), SSL_Client_Authentication (attribute name), and SSLCLAUT (column name).

Subscription Enabled

Indicates whether subscriptions are allowed. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), AsParent (0), No (1), Yes (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SUBSCRIPTION_ENABLED or SUBENBL (historical name), Subscription Enabled (caption), Subscription_Enabled (attribute name), and SUBENBL (column name).

Subscription Scope

The scope of subscriptions can be controlled administratively using the SUBSCOPE topic attribute. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), QMgr (1), All (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SUBSCRIPTION_SCOPE or SUBSCOPE (historical name), Subscription Scope (caption), Subscription_Scope (attribute name), and SUBSCOPE (column name).

Subscription Type

Type of subscription. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: User (-2), All (-1), API (1), Admin (2), Proxy (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SUBSCRIPTION_TYPE or SUBTYPE (historical name), Subscription Type (caption), Subscription_Type (attribute name), and SUBTYPE (column name).

Syncpoint Support

Indicates whether syncpoint support is available. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Not Avail (0), Available (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SYNCPOINT_SUPPORT or SYNCPT (historical name), Syncpoint Support (caption), Syncpoint_Support (attribute name), and SYNCPT (column name).

System Managed Destination

The system managed destination. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Managed (1), Provided (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SYSTEM_MANAGED_DESTINATION or DESTCLAS (historical name), System Managed Destination (caption), System_Managed_Destination (attribute name), and DESTCLAS (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Topic Statistics Option

Not applicable to the current monitoring agent. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: All (0), CRLLDAP (1), OCSP (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TOPIC_STATISTICS_OPTION or STATTOP (historical name), Topic Statistics Option (caption), Topic_Statistics_Option (attribute name), and STATTOP (column name).

Topic Type

The type of the topic. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Local (0), Cluster (1), All (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TOPIC_TYPE or T_TYPE (historical name), Topic Type (caption), Topic_Type (attribute name), and T_TYPE (column name).

Transport Type

The transmission protocol type. The type is integer (32-bit numeric property) with enumerated

values. The following values are defined: Local (0), LU62 (1), TCP (2), NETBIOS (3), SPX (4), DECNET (5), UDP (6), CICS (100). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRANSPORT_TYPE or TRPTYPE (historical name), Transport Type (caption), Transport_Type (attribute name), and TRPTYPE (column name).

Trigger

Indicates whether a trigger event occurs. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: NoTrigger (0), Trigger (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRIGGER (historical name), Trigger (caption), Trigger (attribute name), and TRIGGER (column name).

Trigger Type

The condition (First, Every, Depth, or None) that causes a trigger message to be sent to the initiation queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), First (1), Every (2), Depth (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRIGGER_TYPE or TRIGTYPE (historical name), Trigger Type (caption), Trigger_Type (attribute name), and TRIGTYPE (column name).

Wildcard

The wildcard. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Block (1), PassThru (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: WILDCARD (historical name), Wildcard (caption), Wildcard (attribute name), and WILDCARD (column name).

Wildcard Character

The wildcard schema used by the topic string. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Character (1), Topic (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: WILDCARD_CHARACTER or WSCHEMA (historical name), Wildcard Character (caption), Wildcard_Character (attribute name), and WSCHEMA (column name).

Event History data set

Use the Event History attributes to look for trends in the occurrence of MQ events. Events are displayed whether they are local or if they occur on a remote queue manager that reports to the selected queue manager. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports).

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Instances

The count of instances of the event. The type is integer (32-bit numeric property).

The following names are defined for this attribute: INSTANCES or EV_COUNT (historical name), Instances (caption), Instances (attribute name), and EV_COUNT (column name).

Appl ID

The application identifier that is associated with the event or message. The type is string.

The following names are defined for this attribute: APPLICATION_IDENTIFIER or EVAP_NAME (historical name), Appl ID (caption), Application_Identifier (attribute name), and EVAP_NAME (column name).

Appl Type

The application type that is associated with the event or message. The valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), Unknown (-1), NoContext (0), CICS (1), MVS (2), IMS (3), OS2 (4), DOS (5), UNIX (6), QMGR (7), OS400 (8), WINDOWS (9), CICS VSE (10), WINDOWS NT (11), VMS (12), GUARDIAN (13), VOS (14), IMS BRIDGE (19), XCF (20), CICS BRIDGE (21), NOTES AGENT (22), USER (25), BROKER (26), QMGR PUBLISH (27), JAVA (28), DQM (29), CHINIT (30), WLM (31), BATCH (32), RRS BATCH (33), SIB (34), SYSTEMEXT (35), MCAST PUBLISH (36), SYSTEM (101), USER FIRST (65536). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: APPLICATION_TYPE or EVAP_TYPE (historical name), Appl Type (caption), Application_Type (attribute name), and EVAP_TYPE (column name).

Event The description of the outstanding MQ event (for example, Channel_Stopped). This attribute is a key attribute. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Alias Base Queue Type Error (2001), Get Inhibited (2016), Not Authorized (2035), Put Inhibited (2051), Queue Full (2053), Queue Type Error (2057), Unknown Alias Base Queue (2082), Unknown Object Name (2085), Unknown Remote Queue Manager (2087), Transmission Queue Type Error (2091), Transmission Queue Usage Error (2092), Bridge Started (2125), Bridge Stopped (2126), Remote Queue Name Error (2184), Unknown Transmission Queue (2196), Unknown Default Xmit Queue (2197), Default Xmit Queue Type Error (2198), Default Xmit Queue Usage Error (2199), Queue Manager Active (2222), Queue Manager Not Active (2223), Queue Depth High (2224), Queue Depth Low (2225), Queue Service Interval High (2226), Queue Service Interval OK (2227), Channel Auto Definition OK (2233), Channel Auto Definition Error (2234), Channel Stopped By User (2279), Channel Started (2282), Channel Stopped (2283), Channel Conversion Error (2284), Channel Activated (2295), Channel Not Activated (2296), Configuration Create Object (2367), Configuration Change Object (2368), Configuration Delete Object (2369), Configuration Refresh Object (2370), Channel SSL Error (2371), Logger (2411), Command MQSC (2412), Command PCF (2413), Channel Blocked (2577), Channel Blocked Warning (2578), Subscription Create (2579), Subscription Delete (2580), Subscription Change (2581), Subscription Refresh (2582), Installation Mismatch (2583), Not Privileged (2584), Properties Disabled (2586), Hmsg Not Available (2587), Exit Props Not Supported (2588), Installation Missing (2589), Fastpath Not Available (2590), Cipher Spec Not Suite B (2591), Suite B Error (2592), Reopen Excl Input Error (6100), Reopen Inquire Error (6101), Reopen Saved Context Err (6102), Reopen Temporary Q Error (6103), Attribute Locked (6104), Cursor Not Valid (6105), Encoding Error (6106), Struc Id Error (6107), Null Pointer (6108), No Connection Reference (6109), No Buffer (6110), Binary Data Length Error (6111), Buffer Not Automatic (6112), Insufficient Buffer (6113), Insufficient Data (6114), Data Truncated (6115), Zero Length (6116), Negative Length (6117), Negative Offset (6118), Inconsistent Format (6119), Inconsistent Object State (6120), Context Object Not Valid (6121), Context Open Error (6122), Struc Length Error (6123), Not Connected (6124), Not Open (6125), Distribution List Empty (6126), Inconsistent Open Options (6127), Wrong Version (6128), Reference Error (6129), XR Not Available (6130), PDS Events Lost (1002052), Queue Not Full (1002053). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT or EVENT_NAME (historical name), Event (caption), Event (attribute name), and EVENT_NAME (column name).

Event Date & Time

The time and date that the event is posted to the MQ event queue. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `EVENT_DATE_AND_TIME` or `EVDAT_TIME` (historical name), Event Date & Time (caption), `Event_Date_and_Time` (attribute name), and `EVDAT_TIME` (column name).

Event Host Name

The name of the host system on which this event occurs (which is not necessarily the host system reporting the event). The type is string.

The following names are defined for this attribute: `EVENT_HOST_NAME` or `ORIG_HOST` (historical name), Event Host Name (caption), `Event_Host_Name` (attribute name), and `ORIG_HOST` (column name).

Event QMgr Name

The name of the queue manager on which this event occurs (which is not necessarily the queue manager reporting the event). The type is string.

The following names are defined for this attribute: `EVENT_MQ_MANAGER_NAME` or `ORIG_QMGR` (historical name), Event QMgr Name (caption), `Event_MQ_Manager_Name` (attribute name), and `ORIG_QMGR` (column name).

Event Qualifier

Describes the condition that generates the event. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), Connection Not Authorized (1), Open Not Authorized (2), Close Not Authorized (3), Command Not Authorized (4), Queue Manager Stopping (5), Queue Manager Quiescing (6), Channel Stopped OK (7), Channel Stopped Error (8), Channel Stopped Retry (9), Channel Stopped Disabled (10), Bridge Stopped OK (11), Bridge Stopped Error (12), SSL Handshake Error (13), SSL Cipher Spec Error (14), SSL Client Auth Error (15), SSL Peer Name Error (16), Sub Not Authorized (17), Sub Dest Not Authorized (18), Ssl Unknown Revocation (19), Sys Conn Not Authorized (20), Channel Blocked Address (21), Channel Blocked Userid (22), Channel Blocked Noaccess (23), Max Active Channels (24), Max Channels (25), Svrconn Inst Limit (26), Client Inst Limit (27), Caf Not Installed (28), COMMAND NONE (1000), Change Queue Manager (1001), Inquire Queue Manager (1002), Change Process (1003), Copy Process (1004), Create Process (1005), Delete Process (1006), Inquire Process (1007), Change Queue (1008), Clear Queue (1009), Copy Queue (1010), Create Queue (1011), Delete Queue (1012), Inquire Queue (1013), Refresh Queue Manager (1016), Reset Queue Stats (1017), Inquire Queue Names (1018), Inquire Process Names (1019), Inquire Channel Names (1020), Change Channel (1021), Copy Channel (1022), Create Channel (1023), Delete Channel (1024), Inquire Channel (1025), Ping Channel (1026), Reset Channel (1027), Start Channel (1028), Stop Channel (1029), Start Channel Initiator (1030), Start Channel Listener (1031), Change Namelist (1032), Copy Namelist (1033), Create Namelist (1034), Delete Namelist (1035), Inquire Namelist (1036), Inquire Namelist Names (1037), Escape (1038), Resolve Channel (1039), Ping Queue Manager (1040), Inquire Queue Status (1041), Inquire Channel Status (1042), Config Event (1043), Queue Manager Event (1044), Performance Event (1045), Channel Event (1046), Delete Publication (1060), Deregister Publisher (1061), Deregister Subscriber (1062), Publish (1063), Register Publisher (1064), Register Subscriber (1065), Request Update (1066), Broker Internal (1067), Activity Message (1069), Inquire Cluster Queue Manager (1070), Resume Queue Manager Cluster (1071), Suspend Queue Manager Cluster (1072), Refresh Cluster (1073), Reset Cluster (1074), Trace Route (1075), Refresh Security (1078), Change Authentication Information (1079), Copy Authentication Information (1080), Create Authentication Information (1081), Delete Authentication Information (1082), Inquire Authentication Information (1083), Inquire Authentication Information Names (1084), Inquire Connection (1085), Stop Connection (1086), Inquire Authority Records (1087), Inquire Entity Auth (1088), Delete Authority Records (1089), Set Authority Records (1090), Logger Event (1091), Reset Queue Manager (1092), Change Listener (1093), Copy Listener (1094), Create Listener (1095), Delete Listener (1096), Inquire Listener (1097), Inquire Listener Status (1098), Command Event (1099), Change Security (1100), Change CF Structure (1101), Change Storage Class (1102), Change Trace (1103), Archive Log (1104), Backup CF Structure (1105), Create Buffer Pool (1106), Create Page Set (1107), Create CF Structure (1108), Create Storage Class (1109), Copy CF Structure (1110), Copy Storage Class (1111), Delete CF Structure (1112), Delete Storage Class

(1113), Inquire Archive (1114), Inquire CF Structure (1115), Inquire CF Structure Status (1116), Inquire Command Server (1117), Inquire Channel Init (1118), Inquire QSG (1119), Inquire Log (1120), Inquire Security (1121), Inquire Storage Class (1122), Inquire System (1123), Inquire Thread (1124), Inquire Trace (1125), Inquire Usage (1126), Move Queue (1127), Recover BSDS (1128), Recover CF Structure (1129), Reset Tpipe (1130), Resolve Indoubt (1131), Resume Queue Manager (1132), Reverify Security (1133), Set Archive (1134), Set Log (1136), Set System (1137), Start Command Server (1138), Start Queue Manager (1139), Start Trace (1140), Stop Channel Init (1141), Stop Channel Listener (1142), Stop Command Server (1143), Stop Queue Manager (1144), Stop Trace (1145), Suspend Queue Manager (1146), Inquire CF Structure Names (1147), Inquire Storage Class Names (1148), Change Service (1149), Copy Service (1150), Create Service (1151), Delete Service (1152), Inquire Service (1153), Inquire Service Status (1154), Start Service (1155), Stop Service (1156), Delete Buffer Pool (1157), Delete Page Set (1158), Change Buffer Pool (1159), Change Page Set (1160), Inquire Queue Manager Status (1161), Create Log (1162), Statistics MQI (1164), Statistics Queue (1165), Statistics Channel (1166), Accounting MQI (1167), Accounting Queue (1168), Inquire Authority Service (1169), Attributes Before Change (1000001), Attributes After Change (1000002), Change Topic (1170), Copy Topic (1171), Create Topic (1172), Delete Topic (1173), Inquire Topic (1174), Inquire Topic Names (1175), Inquire Subscription (1176), Create Subscription (1177), Change Subscription (1178), Delete Subscription (1179), Clear Subscription (1180), Copy Subscription (1181), Inquire SBStatus (1182), Inquire Topic Status (1183), Clear Topic String (1184), Inquire PubSub Status (1185), Inquire SMDS (1186), Change SMDS (1187), Reset SMDS (1188), Create Communication Information (1190), Inquire Communication Information (1191), Change Communication Information (1192), Copy Communication Information (1193), Delete Communication Information (1194), Purge Channel (1195), MQXR Diagnostics (1196), Start SMDS Connection (1197), Stop SMDS Connection (1198), Inquire SMDS Connection (1199), Inquire MQXR Status (1200), Start Client Trace (1201), Stop Client Trace (1202), Set Channel Authentication Record (1203), Inquire Channel Authentication Records (1204), Inquire Prot Policy (1205), Create Prot Policy (1206), Delete Prot Policy (1207), Change Prot Policy (1208), Activity Trace (1209), Reset CF Structure (1213), Inquire XR Capability (1214). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT_QUALIFIER or NUM_PARMS (historical name), Event Qualifier (caption), Event_Qualifier (attribute name), and NUM_PARMS (column name).

Event User ID

The event user ID. The type is string.

The following names are defined for this attribute: EVENT_USER_ID or EV_USERID (historical name), Event User ID (caption), Event_User_ID (attribute name), and EV_USERID (column name).

Internal EventID

The internal identifier that is assigned to the event. The type is string.

The following names are defined for this attribute: EVENT_ID (historical name), Internal EventID (caption), Event_ID (attribute name), and EVENT_ID (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

PCF Length

The length of the PCF parameters for the event. The type is integer (32-bit numeric property).

The following names are defined for this attribute: PCF_LENGTH (historical name), PCF Length (caption), PCF_Length (attribute name), and PCF_LENGTH (column name).

PCF Parameters

The PCF parameters structures for the event. Valid format is an alphanumeric string of up to 2048 case-sensitive characters. The type is string.

The following names are defined for this attribute: PCF_PARAMETERS or PCF_PARMS (historical name), PCF Parameters (caption), PCF_Parameters (attribute name), and PCF_PARMS (column name).

Reporting Host Name

The name of the system reporting this event (which is not necessarily the host system on which the event occurred). The type is string.

The following names are defined for this attribute: REPORTING_HOST_NAME or HOST_NAME (historical name), Reporting Host Name (caption), Reporting_Host_Name (attribute name), and HOST_NAME (column name).

Reporting QMgr Name

The name assigned to the queue manager reporting this event (which is not necessarily the queue manager on which the event occurred). The type is string.

The following names are defined for this attribute: REPORTING_MQ_MANAGER_NAME or QMNAME (historical name), Reporting QMgr Name (caption), Reporting_MQ_Manager_Name (attribute name), and QMNAME (column name).

Resource Name

The name of the MQ resource (channel or queue) on which the event occurs. The valid format is an alphanumeric string of up to 256 case-sensitive characters. The type is string.

The following names are defined for this attribute: RESOURCE_NAME_U or UEV_RESRC (historical name), Resource Name (caption), Resource_Name_U (attribute name), and UEV_RESRC (column name).

Resource Name (Deprecated)

The name of the MQ resource (channel or queue) on which the event occurs. This attribute is deprecated. The type is string.

The following names are defined for this attribute: RESOURCE_NAME or EV_RESRC (historical name), Resource Name (Deprecated) (caption), Resource_Name (attribute name), and EV_RESRC (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Listener Status data set

The Listener Status attributes provide the status information for one or more listeners. A data sample is sent to the server every minute and is maintained for 8 days by default.

The attributes shown in *italic* are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Concurrent Conn Request Count

The number of concurrent connection requests that the listener supports. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute:
CONCURRENT_CONNECTION_REQUEST_COUNT or BACKLOG (historical name), *Concurrent Conn Request Count* (caption), Concurrent_Connection_Request_Count (attribute name), and BACKLOG (column name).

Listener Name

The name of the listener. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: LISTENER_NAME or LSNAME (historical name), *Listener Name* (caption), Listener_Name (attribute name), and LSNAME (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Process Identifier

The operating system process identifier that is associated with the listener. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PROCESS_IDENTIFIER or PID (historical name), *Process Identifier* (caption), Process_Identifier (attribute name), and PID (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), *QMgr Name* (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Status The current status of the listener. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Stopped (0), Starting (1), Running (2), Stopping (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: STATUS (historical name), *Status* (caption), Status (attribute name), and STATUS (column name).

TCP IP Address

The listener IP address for the TCP protocol. If it is not defined, the listener listens on all configured IPv4 and IPv6 stacks. It is blank when not available. The type is string.

The following names are defined for this attribute: TCP_IP_ADDRESS or IPADDR (historical name), *TCP IP Address* (caption), TCP_IP_Address (attribute name), and IPADDR (column name).

TCP Port

The port number for TCP/IP. This is valid only when the transport type is TCP. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TCP_PORT or PORT (historical name), *TCP Port* (caption), TCP_Port (attribute name), and PORT (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Transport Type

The transmission protocol type. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), ALL (-1), LOCAL (0), LU62 (1), TCP (2), NETBIOS (3), SPX (4), DECNET (5), UDP (6). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRANSPORT_TYPE or TRPTYPE (historical name), *Transport Type* (caption), Transport_Type (attribute name), and TRPTYPE (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Listener Description

The descriptive plain text comment that is defined with listener. The type is string.

The following names are defined for this attribute: LISTENER_DESCRIPTION_U or LSDESC (historical name), Listener Description (caption), Listener_Description_U (attribute name), and LSDESC (column name).

LU62 Tran Pgm Name

The LU6. 2 transaction program name. This is applicable only to Windows system when the transport type is LU62. The type is string.

The following names are defined for this attribute: LU62_TRANSACTION_PROGRAM_NAME or TPNAME (historical name), LU62 Tran Pgm Name (caption), LU62_Transaction_Program_Name (attribute name), and TPNAME (column name).

NetBios Adapter

The adapter number on which NetBIOS listens. This attribute is applies only to Windows system when the transport type is NETBIOS. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NETBIOS_ADAPTER or ADAPTER (historical name), NetBios Adapter (caption), NetBIOS_Adapter (attribute name), and ADAPTER (column name).

NetBIOS Command Count

The number of commands that the listener can use. This attribute is valid only on Windows systems when the transport type is NETBIOS. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NETBIOS_COMMAND_COUNT or COMMANDS (historical name), NetBIOS Command Count (caption), NetBIOS_Command_Count (attribute name), and COMMANDS (column name).

NetBIOS Local Name

The NETBIOS local name that the listener uses. This is applicable to Windows systems only when the transport type is NETBIOS. The type is string.

The following names are defined for this attribute: NETBIOS_LOCAL_NAME or LOCLNAME (historical name), NetBIOS Local Name (caption), NetBIOS_Local_Name (attribute name), and LOCLNAME (column name).

NetBIOS Name Count

The number of names that the listener can use. This attribute is valid only on Windows systems when the transport type is NETBIOS. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NETBIOS_NAME_COUNT or NTBNAMES (historical name), NetBIOS Name Count (caption), NetBIOS_Name_Count (attribute name), and NTBNAMES (column name).

NetBIOS Session Count

The number of sessions that the listener can use. This attribute is valid only on Windows systems when the transport type is NETBIOS. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NETBIOS_SESSION_COUNT or SESSIONS (historical name), NetBIOS Session Count (caption), NetBIOS_Session_Count (attribute name), and SESSIONS (column name).

SPX Socket

The SPX socket on which to listen. This is valid only if the transport type is SPX. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SPX_SOCKET or SOCKET (historical name), SPX Socket (caption), SPX_Socket (attribute name), and SOCKET (column name).

Start Date & Time

The date and time at which the listener is started. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: START_DATE_AND_TIME or STDAT_TIM (historical name), Start Date & Time (caption), Start_Date_and_Time (attribute name), and STDAT_TIM (column name).

Start/Stop Control

Specifies how the listener is started and stopped. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Queue Manager (0), QMgr Start Only (1), Manual (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: START/STOP_CONTROL or CONTROL (historical name), Start/Stop Control (caption), Start/Stop_Control (attribute name), and CONTROL (column name).

Manager Definition Details data set

The Message Details attributes provide details about the message parameters, including name, description, and value. These attributes are informational only; they cannot be used to create situations. This data is collected at five-minute intervals.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Accounting Connection Override

Indicates whether to enable applications to override the attributes. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Disabled (0), Enabled (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ACCOUNTING_CONNECTION_OVERRIDE or ACCTCONO (historical name), Accounting Connection Override (caption), Accounting_Connection_Override (attribute name), and ACCTCONO (column name).

Accounting MQI Level

Whether to collect MQI accounting data for the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Off (0), On (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ACCOUNTING_MQI_LEVEL or ACCTMQI (historical name), Accounting MQI Level (caption), Accounting_MQI_Level (attribute name), and ACCTMQI (column name).

Accounting Queue Level

Specifies whether to collect accounting data about the activity of connections for queues hosted by the queue manager. The type is integer (32-bit numeric property) with enumerated values. The

following values are defined: n/a (-10), Queue Manager (-3), None (-1), Off (0), On (1), Low (17), Medium (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ACCOUNTING_QUEUE_LEVEL or ACCTQ (historical name), Accounting Queue Level (caption), Accounting_Queue_Level (attribute name), and ACCTQ (column name).

Activity Conn Override

Specifies whether applications can override the value of the queue manager attribute ACTVTRC. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ACTIVITY_CONN_OVERRIDE or ACTIVCONO (historical name), Activity Conn Override (caption), Activity_Conn_Override (attribute name), and ACTIVCONO (column name).

Activity Report Recording

Indicates whether the queue manager applications are enabled to generate activity reports. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Disabled (0), Queue (1), Message (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ACTIVITY_REPORT_RECORDING or ACTIVREC (historical name), Activity Report Recording (caption), Activity_Report_Recording (attribute name), and ACTIVREC (column name).

Activity Trace

Specifies whether MQI application activity tracing information is to be collected. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Off (0), On (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ACTIVITY_TRACE or ACTVTRC (historical name), Activity Trace (caption), Activity_Trace (attribute name), and ACTVTRC (column name).

Adopt New MCA Check

Specifies which elements are checked to determine whether an MCA should be adopted when a new inbound channel is detected with the same name as an already active MCA. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), All (1), QMgr Name (2), Net address (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ADOPT_NEW_MCA_CHECK or ADOPTCHK (historical name), Adopt New MCA Check (caption), Adopt_New_MCA_Check (attribute name), and ADOPTCHK (column name).

Adopt New MCA Type

Specifies whether an orphaned MCA instance is adopted (restarted) when a new inbound channel request is detected that matches the value of the Adopt new MCA check attribute. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), No (0), All (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ADOPT_NEW_MCA_TYPE or ADOPTMCA (historical name), Adopt New MCA Type (caption), Adopt_New_MCA_Type (attribute name), and ADOPTMCA (column name).

Allocation Units

Specifies the unit in which primary and secondary space allocations are made The type is integer

(32-bit numeric property) with enumerated values. The following values are defined: CYL (0), TRK (1), BLK (2), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ALLOCATION_UNITS or ALCUNIT (historical name), Allocation Units (caption), Allocation_Units (attribute name), and ALCUNIT (column name).

Archive Catalog

Specifies whether archive log data sets are cataloged in the primary integrated catalog facility (ICF) catalog. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ARCHIVE_CATALOG or CATALOG (historical name), Archive Catalog (caption), Archive_Catalog (attribute name), and CATALOG (column name).

Archive Compact

Specifies whether data written to archive logs is to be compacted. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ARCHIVE_COMPACT or COMPACT (historical name), Archive Compact (caption), Archive_Compact (attribute name), and COMPACT (column name).

Archive Timestamp

Specifies whether the archive log data set name has a time stamp in it. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), EXT (2), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ARCHIVE_TIMESTAMP or TSTAMP (historical name), Archive Timestamp (caption), Archive_Timestamp (attribute name), and TSTAMP (column name).

Archive WTO

Specifies whether a message is to be sent to the operator and a reply is received before attempting to mount an archive log data set. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ARCHIVE_WTO or ARCWTOR (historical name), Archive WTO (caption), Archive_WTO (attribute name), and ARCWTOR (column name).

Authority Events

Indicates whether the queue manager can generate an authorization event message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: AUTHORITY_EVENTS or AUTHOREV (historical name), Authority Events (caption), Authority_Events (attribute name), and AUTHOREV (column name).

Bridge Events

Specifies whether the queue manager can generate bridge event messages. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Disabled (0), Enabled (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BRIDGE_EVENTS or BRIDGEEV (historical name), Bridge Events (caption), Bridge_Events (attribute name), and BRIDGEEV (column name).

Cert Policy

The certificate validation policy attribute controls which TLS certificate validation policy is used to validate digital certificates received from remote partners. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Any (0), RFC5280 (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CERT_POLICY or CERTVPOL (historical name), Cert Policy (caption), Cert_Policy (attribute name), and CERTVPOL (column name).

Channel Auth Records

Indicates whether channel authentication is enabled. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), n/a (-1).

Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_AUTH_RECORDS or CHLAUTH (historical name), Channel Auth Records (caption), Channel_Auth_Records (attribute name), and CHLAUTH (column name).

Channel Auto Definition

Indicates whether receiver- and server-connection channels are to be defined automatically. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_AUTO_DEFINITION or CHAD (historical name), Channel Auto Definition (caption), Channel_Auto_Definition (attribute name), and CHAD (column name).

Channel Auto Defn Events

Indicates whether the queue manager can generate a channel auto-definition event message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_AUTO_DEFN_EVENTS or CHADEV (historical name), Channel Auto Defn Events (caption), Channel_Auto_Defn_Events (attribute name), and CHADEV (column name).

Channel Events

Specifies whether the queue manager can generate channel event messages. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Disabled (0), Enabled (1), Exception (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_EVENTS or CHLEV (historical name), Channel Events (caption), Channel_Events (attribute name), and CHLEV (column name).

Channel Initiator Trace Auto Start

Indicates whether the channel initiator trace starts automatically. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_INITIATOR_TRACE_AUTO_START or TRAXSTR (historical name), Channel Initiator Trace Auto Start (caption), Channel_Initiator_Trace_Auto_Start (attribute name), and TRAXSTR (column name).

Cluster Workload Use Queue

Specifies whether the queue manager can choose from remote instances of cluster queues as well

as local instances. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Any (1), Local (0). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_WORKLOAD_USE_QUEUE or CLWLUSEQ (historical name), Cluster Workload Use Queue (caption), Cluster_Workload_Use_Queue (attribute name), and CLWLUSEQ (column name).

Command Events

Specifies whether the queue manager can generate command event messages. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Disabled (0), Enabled (1), No Display (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: COMMAND_EVENTS or CMDEV (historical name), Command Events (caption), Command_Events (attribute name), and CMDEV (column name).

Configuration Events

Indicates whether the queue manager can generate a configuration event message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CONFIGURATION_EVENTS or CONFIGEV (historical name), Configuration Events (caption), Configuration_Events (attribute name), and CONFIGEV (column name).

Def Cluster Xmitq Type

The default transmission queue type that is used by clustering to transfer messages to other queue managers in the cluster. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Sctq (0), Channel (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEF_CLUSTER_XMITQ_TYPE or DEFCLXQ (historical name), Def Cluster Xmitq Type (caption), Def_Cluster_Xmitq_Type (attribute name), and DEFCLXQ (column name).

Distribution Lists

Indicates whether the queue manager supports distribution lists. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DISTRIBUTION_LISTS or DISTL (historical name), Distribution Lists (caption), Distribution_Lists (attribute name), and DISTL (column name).

DNS WLM Registration

This attribute is no longer used by IBM MQ. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DNS_WLM_REGISTRATION or DNSWLM (historical name), DNS WLM Registration (caption), DNS_WLM_Registration (attribute name), and DNSWLM (column name).

Dual Active Log

Specifies whether dual logging is being used. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DUAL_ACTIVE_LOG or TWOACTV (historical name), Dual Active Log (caption), Dual_Active_Log (attribute name), and TWOACTV (column name).

Dual Archive Log

Specifies whether dual archive logging is being used. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DUAL_ARCHIVE_LOG or TWOARCH (historical name), Dual Archive Log (caption), Dual_Archive_Log (attribute name), and TWOARCH (column name).

Dual BSDS

Specifies whether dual BSDS is being used. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DUAL_BSDS or TWOBSDS (historical name), Dual BSDS (caption), Dual_BSDS (attribute name), and TWOBSDS (column name).

Expiry Interval

Not applicable to the current monitoring agent. This attribute is for z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Off (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EXPIRY_INTERVAL or EXPRYINT (historical name), Expiry Interval (caption), Expiry_Interval (attribute name), and EXPRYINT (column name).

Group Type

Type of the queue manager parameter. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (0), Queue Manager Definition (1), System Parameter (2), System Log Parameter (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GROUP_TYPE or GROUPTYPE (historical name), Group Type (caption), Group_Type (attribute name), and GROUPTYPE (column name).

Host Name

Name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Inhibit Events

Indicates whether the queue manager can generate an inhibit event message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INHIBIT_EVENTS or INHIBTEV (historical name), Inhibit Events (caption), Inhibit_Events (attribute name), and INHIBTEV (column name).

Intragroup Queueing

Not applicable to the current monitoring agent. This attribute is for z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTRAGROUP_QUEUEING or IGQ (historical name), Intragroup Queueing (caption), Intragroup_Queueing (attribute name), and IGQ (column name).

Intragroup Queuing Authority

Not applicable to the current monitoring agent. This attribute is for z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: DEF (0), CTX (1), ONLYIGQ (2), ALTIGQ (3), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTRAGROUP_QUEUEING_AUTHORITY or IGQAUT (historical name), Intragroup Queuing Authority (caption), Intragroup_Queueing_Authority (attribute name), and IGQAUT (column name).

IP Address Version

Specifies whether the queue manager uses the IPv6 protocol or IPv4 protocol. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), IPV4 (0), IPV6 (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: IP_ADDRESS_VERSION or IPADDRV (historical name), IP Address Version (caption), IP_Address_Version (attribute name), and IPADDRV (column name).

Local Events

Indicates whether the queue manager can generate a local event message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LOCAL_EVENTS or LOCALEV (historical name), Local Events (caption), Local_Events (attribute name), and LOCALEV (column name).

Log Compression

Specifies the log data compression technique for persistent message logging. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), None (0), RLE (1), Any (268435455). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LOG_COMPRESSION or COMPLOG (historical name), Log Compression (caption), Log_Compression (attribute name), and COMPLOG (column name).

Logger Events

Specifies whether the queue manager can generate a logger event message when changes are written to the IBM MQ recovery log. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Disabled (0), Enabled (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LOGGER_EVENTS or LOGGEREV (historical name), Logger Events (caption), Logger_Events (attribute name), and LOGGEREV (column name).

Maximum Message Retry Count

The number of times that the channel retries to connect to the remote queue manager before it decides that it cannot deliver the message to the remote queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MAXIMUM_MESSAGE_RETRY_COUNT or PSRTYCNT (historical name), Maximum Message Retry Count (caption), Maximum_Message_Retry_Count (attribute name), and PSRTYCNT (column name).

Maximum Properties Length

The size in bytes of the property data that can flow with messages in a V7 queue manager. The

type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), NOLIMIT (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `MAXIMUM_PROPERTIES_LENGTH` or `MAXPROPL` (historical name), Maximum Properties Length (caption), `Maximum_Properties_Length` (attribute name), and `MAXPROPL` (column name).

Message Mark Browse Interval

The time interval in milliseconds after which the queue manager automatically unmarks browsed messages. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), NOLIMIT (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `MESSAGE_MARK_BROWSE_INTERVAL` or `MARKINT` (historical name), Message Mark Browse Interval (caption), `Message_Mark_Browse_Interval` (attribute name), and `MARKINT` (column name).

Monitoring Channel Level

Specifies whether to collect online monitoring data about the current performance of channels hosted by the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-10), Queue Manager (-3), None (-1), Off (0), On (1), Low (17), Medium (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `MONITORING_CHANNEL_LEVEL` or `MONCHL` (historical name), Monitoring Channel Level (caption), `Monitoring_Channel_Level` (attribute name), and `MONCHL` (column name).

Monitoring Cluster Sender Channel Level

Specifies whether to collect online monitoring data about the current performance of auto-defined cluster-sender channels. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-10), Queue Manager (-3), None (-1), Off (0), On (1), Low (17), Medium (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `MONITORING_CLUSTER_SENDER_CHANNEL_LEVEL` or `MONACLS` (historical name), Monitoring Cluster Sender Channel Level (caption), `Monitoring_Cluster_Sender_Channel_Level` (attribute name), and `MONACLS` (column name).

Monitoring Queue Level

Specifies whether to collect online monitoring data about the current performance of queues hosted by the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-10), Queue Manager (-3), None (-1), Off (0), On (1), Low (17), Medium (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `MONITORING_QUEUE_LEVEL` or `MONQ` (historical name), Monitoring Queue Level (caption), `Monitoring_Queue_Level` (attribute name), and `MONQ` (column name).

MULC Capture Algorithm

The MULC capture algorithm. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Standard (0), Refined (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `MULC_CAPTURE_ALGORITHM` or `MULCCAPT` (historical name), MULC Capture Algorithm (caption), `MULC_Capture_Algorithm` (attribute name), and `MULCCAPT` (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Offload

Specifies whether archiving is on or off. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OFFLOAD (historical name), Offload (caption), Offload (attribute name), and OFFLOAD (column name).

Parameter Description

The description of the parameter. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: MQ manager name (1), Authority events (2), Coded character set ID (3), Command input queue name (4), Command level (5), Dead letter queue name (6), Description (7), Inhibit events (8), Local error events (9), Maximum open handles (10), Maximum message length (11), Maximum message priority (12), Maximum uncommitted msgs (13), Performance events (14), Architecture of platform (15), Remote error events (16), Start and stop events (17), Syncpoint support (18), Trigger interval in ms. (19), Default transmission Q (20), Channel auto definition (21), Channel auto definition events (22), Channel auto definition exit (23), Distribution lists (24), Connection (25), Channel Group (26), Cluster workload exit (27), Cluster workload exit data (28), Cluster workload exit maximum (29), Internal queue manager name (30), Repository cluster (31), Repository clusters namelist (32), Configuration event (33), Expiry interval (34), SSL tasks (35), SSL CRL namelist (36), SSL key repository (37), SSL crypto hardware (38), Maximum user messages (39), Intra group queuing (40), Intra group queuing authority checking (41), Intra group queuing user (42), Queue sharing group name (43), Connection threads (44), Background connections (45), Foreground connections (46), Log record load (47), Command userid (48), Queue manager coded character set ID (49), Route code (50), SMF accounting (51), SMF statistics (52), SMF collection interval (53), OTMA connection group (54), OTMA connection member (55), OTMA connection dest user exit (56), OTMA connection age (57), OTMA connection tpipe prefix (58), Global tracing (59), Global trace table size (60), Exit tasks count (61), Exit time limit (62), Workload manager time (63), QSG data queue sharing group (64), QSG data DB2 data sharing group (65), QSG data DB2 subsystem (66), QSG data DB2 server tasks (67), RACF auditing (68), Queue index build wait (69), Input buffer size (70), Output buffer size (71), Maximum tape units (72), Maximum archive log volumes (73), Dual active logging (74), Dual archive logging (75), Dual bootstrap datasets (76), Archiving (77), Write threshold (78), Deallocation time (79), Unitname for first archive log (80), Unitname for second archive log (81), Space allocation units (82), Space primary quantity (83), Space secondary quantity (84), Block size (85), Archive log first dataset prefix (86), Archive log second dataset prefix (87), Timestamp archive log (88), Archive log retention period (89), Archive log WTOR (90), Archive log routing codes (91), Archive log cataloged (92), Archive log compacted (93), Archive log protected (94), Quiesce time (95), Accounting connection override (96), Accounting interval (97), Accounting MQI level (98), Accounting queue level (99), Max active channels (100), Activity report recording (101), Adopt new MCA check (102), Adopt new MCA type (103), Bridge events (104), Channel initiator adapter subtasks (105), Channel initiator dispatchers (106), Channel events (107), Cluster workload max recently used channels (108), Cluster workload use queue (109), Command events (110), DNS group name (111), DNS WLM registration (112), IP address version (113), Logger events (114), Listener restart interval (115), Listener generic LU name (116), Outbound LU name (117), APPCPM suffix (118), Max LU62 channels (119), Max current channels (120), Monitoring cluster sender channel level (121), Monitoring channel level (122), Monitoring queue level (123), Outbound port number max (124), Outbound port number min (125), Receive timeout (126), Receive timeout min (127), Receive timeout type (128), Trace route recording (129), Start channel initiator control (130), Start command server control (131), Shared queue qmgr name (132), SSL events (133), SSL FIPS required (134), SSL reset key count (135), Statistics cluster sender channel level (136), Statistics channel level (137), Statistics interval (138), Statistics MQI level (139), Statistics queue level (140), Max TCP/IP channels (141), TCP keepalive (142), TCP/IP system name (143), TCP/IP stack type (144), Channel initiator trace auto start (145), Channel initiator

trace table size (146), Tree life time (147), Parent (148), Max properties length (149), Pub Sub mode (150), Pub Sub max msg retry count (151), Pub Sub undelivered non-persistent input message (152), Pub Sub undelivered non-persistent response message (153), Pub Sub sync point (154), Message mark browse interval (155), Log compression (156), MULC capture algorithm (157), Security profile case (158), Activity connection override (159), Activity trace (160), Cert val policy (161), Channel auth records (162), Custom (163), Def cluster xmitQ type (164), PubSub cluster (165), Websphere MQ AMS capability (166), Suite b strength (167), Version (168), XR capability (169). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PARAMETER_DESCRIPTION` or `PARM_DESC` (historical name), Parameter Description (caption), `Parameter_Description` (attribute name), and `PARM_DESC` (column name).

Parameter Name

The name of the defined parameter. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: QMNAME (1), AUTHOREV (2), CCSID (3), COMMANDQ (4), CMDLEVEL (5), DEADQ (6), DESCR (7), INHIBTEV (8), LOCALEV (9), MAXHANDS (10), MAXMSGL (11), MAXPRTY (12), MAXUMSGS (13), PERFMEV (14), PLATFORM (15), REMOTEEV (16), STRSTPEV (17), SYNCPT (18), TRIGINT (19), DEFXMITQ (20), CHAD (21), CHADEV (22), CHADEXIT (23), DISTL (24), CONNECTN (25), CHANGRP (26), CLWLEXIT (27), CLWLDATA (28), CLWLLEN (29), QMID (30), REPOS (31), REPOSNL (32), CONFIGEV (33), EXPRYINT (34), SSLTASKS (35), SSLCRLNL (36), SSLKEYR (37), SSLCRYP (38), MAXUMSGS (39), IGQ (40), IGQAUT (41), IGQUSER (42), QSGNAME (43), CTHREAD (44), IDBACK (45), IDFORE (46), LOGLOAD (47), CMDUSER (48), QMCCSID (49), ROUTCDE (50), SMFACCT (51), SMFSTAT (52), STATIME (53), OTMACON GROUP (54), OTMACON MEMBER (55), OTMACON DRUEXIT (56), OTMACON AGE (57), OTMACON TPIPEPFX (58), TRACSTR (59), TRACTBL (60), EXITTCB (61), EXITLIM (62), WLMTIME (63), QSGDATA QSGNAME (64), QSGDATA DSGNAME (65), QSGDATA DB2NAME (66), QSGDATA DB2SERV (67), RESAUDIT (68), QINDXBLD (69), INBUFF (70), OUTBUFF (71), MAXRTU (72), MAXARCH (73), TWOACTV (74), TWOARCH (75), TWOBSDS (76), OFFLOAD (77), WRTHRSH (78), DEALLCT (79), UNIT (80), UNIT2 (81), ALCUNIT (82), PRIQTY (83), SECQTY (84), BLKSIZE (85), ARCPFX1 (86), ARCPFX2 (87), TSTAMP (88), ARCRETN (89), ARCWTOR (90), ARCWRTC (91), CATALOG (92), COMPACT (93), PROTECT (94), QUIESCE (95), ACCTCONO (96), ACCTINT (97), ACCTMQI (98), ACCTQ (99), ACTCHL (100), ACTIVREC (101), ADOPTCHK (102), ADOPTMCA (103), BRIDGEV (104), CHIADAPS (105), CHIDISPS (106), CHLEV (107), CLWLMRUC (108), CLWLUSEQ (109), CMDEV (110), DNSGROUP (111), DNSWLM (112), IPADDRV (113), LOGGEREV (114), LSTRTMR (115), LUGROUP (116), LUNAME (117), LU62ARM (118), LU62CHL (119), MAXCHL (120), MONACLS (121), MONCHL (122), MONQ (123), OPORTMAX (124), OPORTMIN (125), RCVTIME (126), RCVTMIN (127), RCVTTYPE (128), ROUTEREC (129), SCHINIT (130), SCMDSERV (131), SQQMNAME (132), SSLEV (133), SSLFIPS (134), SSLRKEYC (135), STATACLS (136), STATCHL (137), STATINT (138), STATMQI (139), STATQ (140), TCPCHL (141), TCPKEEP (142), TCPNAME (143), TCPSTACK (144), TRAXSTR (145), TRAXTBL (146), TREELIFE (147), PARENT (148), MAXPROPL (149), PSMODE (150), PSRTYCNT (151), PSNPMSG (152), PSNPRES (153), PSSYNCPT (154), MARKINT (155), COMPLOG (156), MULCCAPT (157), SCYCASE (158), ACTVCONO (159), ACTVTRC (160), CERTVPOL (161), CHLAUTH (162), CUSTOM (163), DEFCLXQ (164), PSCLUS (165), SPLCAP (166), SUITEB (167), VERSION (168), XRCAP (169). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PARAMETER_NAME` or `PARM_NAME` (historical name), Parameter Name (caption), `Parameter_Name` (attribute name), and `PARM_NAME` (column name).

Parameter Type

The type of the parameter. The type is string.

The following names are defined for this attribute: `PARAMETER_TYPE` or `PARM_TYPE` (historical name), Parameter Type (caption), `Parameter_Type` (attribute name), and `PARM_TYPE` (column name).

Parameter Value

The value of the parameter. The valid format is an alphanumeric string of up to 256 characters. The type is string.

The following names are defined for this attribute: `PARAMETER_VALUE_U` or `UPARM_VAL` (historical name), Parameter Value (caption), `Parameter_Value_U` (attribute name), and `UPARM_VAL` (column name).

Parameter Value (Deprecated)

The value of the parameter. The valid format is an alphanumeric string of up to 64 characters. The type is string.

The following names are defined for this attribute: `PARAMETER_VALUE` or `PARM_VALUE` (historical name), Parameter Value (Deprecated) (caption), `Parameter_Value` (attribute name), and `PARM_VALUE` (column name).

Parent The name of the parent queue manager to which the local queue manager is to connect as its child in a hierarchy. The type is string.

The following names are defined for this attribute: `PARENT` (historical name), Parent (caption), `Parent` (attribute name), and `PARENT` (column name).

Performance Events

Indicates whether the queue manager can generate a performance event message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PERFORMANCE_EVENTS` or `PERFMEV` (historical name), Performance Events (caption), `Performance_Events` (attribute name), and `PERFMEV` (column name).

Platform

The architecture of the platform on which the queue manager is running. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: MVS (1), OS2 (2), UNIX (3), OS400 (4), Windows (5), NT (11), VMS (12), NSK (13), VSE (27), AIX (1000), HPUX (1001), Solaris (1002), Guardian (1003), Linux (1004). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PLATFORM` (historical name), Platform (caption), `Platform` (attribute name), and `PLATFORM` (column name).

PubSub Cluster

Controls whether this queue manager participates in Publish/Subscribe clustering. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PUBSUB_CLUSTER` or `PSCLUS` (historical name), PubSub Cluster (caption), `PubSub_Cluster` (attribute name), and `PSCLUS` (column name).

Pubsub Mode

The Publish/Subscribe mode. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (255), Disabled (0), Compatibility (1), Enabled (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PUBSUB_MODE` or `PSMODE` (historical name), Pubsub Mode (caption), `Pubsub_Mode` (attribute name), and `PSMODE` (column name).

Pubsub Nonpersistent Message

Defines what the Pub/Sub engine should do with non-persistent input messages that are not

delivered. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (255), Discard (2), Keep (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBSUB_NONPERSISTENT_MESSAGE or PSNPMSG (historical name), Pubsub Nonpersistent Message (caption), Pubsub_Nonpersistent_Message (attribute name), and PSNPMSG (column name).

Pubsub Nonpersistent Response

Defines what the Pub/Sub engine should do with non-persistent responses that are not delivered. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (255), Normal (0), Safe (1), Discard (2), Keep (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBSUB_NONPERSISTENT_RESPONSE or PSNPRES (historical name), Pubsub Nonpersistent Response (caption), Pubsub_Nonpersistent_Response (attribute name), and PSNPRES (column name).

Pubsub Synchronize Point

Defines whether messages will be processed under syncpoint. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (255), Yes (0), Ifper (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBSUB_SYNCHRONIZE_POINT or PSSYNCPT (historical name), Pubsub Synchronize Point (caption), Pubsub_Synchronize_Point (attribute name), and PSSYNCPT (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Queue Index Build

Specifies whether the queue manager restart completes before all indexes are built and defers building until later, or whether the queue manager waits until all indexes are built. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: NoWait (0), Wait (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_INDEX_BUILD or QINDEXBLD (historical name), Queue Index Build (caption), Queue_Index_Build (attribute name), and QINDEXBLD (column name).

Receive Timeout Type

Specifies how the value of the Receive timeout attribute is interpreted. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Multiply (0), Add (1), Equal (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: RECEIVE_TIMEOUT_TYPE or RCVTTYPE (historical name), Receive Timeout Type (caption), Receive_Timeout_Type (attribute name), and RCVTTYPE (column name).

Remote Events

Indicates whether the queue manager can generate a remote event message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: REMOTE_EVENTS or REMOTEEV (historical name), Remote Events (caption), Remote_Events (attribute name), and REMOTEEV (column name).

Repository Namelist

The name of the namelist that is associated with the repository. The type is string.

The following names are defined for this attribute: REPOSITORY_NAMELIST or REPOSNL (historical name), Repository Namelist (caption), Repository_Namelist (attribute name), and REPOSNL (column name).

Resource Level Auditing

Specifies whether RACF audit records are written for RESLEVEL security checks that are performed during connection processing. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: RESOURCE_LEVEL_AUDITING or RESAUDIT (historical name), Resource Level Auditing (caption), Resource_Level_Auditing (attribute name), and RESAUDIT (column name).

Security Profile Case

Not applicable to the current monitoring agent. This attribute is for z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Upper (0), Mixed (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SECURITY_PROFILE_CASE or SCYCASE (historical name), Security Profile Case (caption), Security_Profile_Case (attribute name), and SCYCASE (column name).

Security Profile Protection

Specifies whether archive log data sets are to be protected by discrete ESM (external security manager) profiles when the data sets are created. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SECURITY_PROFILE_PROTECTION or PROTECT (historical name), Security Profile Protection (caption), Security_Profile_Protection (attribute name), and PROTECT (column name).

Shared Queue Qmgr Name

Not applicable to the current monitoring agent. This attribute is for z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Use (0), Ignore (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHARED_QUEUE_QMGR_NAME or SQQMNAME (historical name), Shared Queue Qmgr Name (caption), Shared_Queue_Qmgr_Name (attribute name), and SQQMNAME (column name).

SPLCAP

Indicates whether the security capabilities of Advanced Message Security are available. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SPLCAP (historical name), SPLCAP (caption), SPLCAP (attribute name), and SPLCAP (column name).

SSL Events

Specifies whether the queue manager can generate an SSL event message. The type is integer

(32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Disabled (0), Enabled (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SSL_EVENTS` or `SSLEV` (historical name), `SSL Events` (caption), `SSL_Events` (attribute name), and `SSLEV` (column name).

SSL FIPS Required

Specifies whether only FIPS-certified cryptographic algorithms are to be used (if the cryptography is performed in IBM MQ rather than cryptographic hardware). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SSL_FIPS_REQUIRED` or `SSLFIPS` (historical name), `SSL FIPS Required` (caption), `SSL_FIPS_Required` (attribute name), and `SSLFIPS` (column name).

Start Channel Initiator Control

Specifies whether the channel initiator starts automatically when the queue manager starts. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Queue Manager (0), Manual (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `START_CHANNEL_INITIATOR_CONTROL` or `SCHINIT` (historical name), `Start Channel Initiator Control` (caption), `Start_Channel_Initiator_Control` (attribute name), and `SCHINIT` (column name).

Start Command Server Control

Specifies whether the command server starts automatically when the queue manager starts. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Queue Manager (0), Manual (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `START_COMMAND_SERVER_CONTROL` or `SCMDSERV` (historical name), `Start Command Server Control` (caption), `Start_Command_Server_Control` (attribute name), and `SCMDSERV` (column name).

Start Stop Events

Indicates whether the queue manager can generate a start and stop event message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `START_STOP_EVENTS` or `STRSTPEV` (historical name), `Start Stop Events` (caption), `Start_Stop_Events` (attribute name), and `STRSTPEV` (column name).

Statistics Channel Level

Specifies whether to collect statistics data about the activity of channels hosted by the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-10), Queue Manager (-3), None (-1), Off (0), On (1), Low (17), Medium (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `STATISTICS_CHANNEL_LEVEL` or `STATCHL` (historical name), `Statistics Channel Level` (caption), `Statistics_Channel_Level` (attribute name), and `STATCHL` (column name).

Statistics Cluster Sender Channel Level

Specifies whether to collect statistics data about the activity of auto-defined cluster-sender channels. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-10), Queue Manager (-3), None (-1), Off (0), On (1), Low (17), Medium (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: STATISTICS_CLUSTER_SENDER_CHANNEL_LEVEL or STATACLS (historical name), Statistics Cluster Sender Channel Level (caption), Statistics_Cluster_Sender_Channel_Level (attribute name), and STATACLS (column name).

Statistics MQI Level

The level of MQI statistics data collection for the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-10), Queue Manager (-3), None (-1), Off (0), On (1), Low (17), Medium (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: STATISTICS_MQI_LEVEL or STATMQI (historical name), Statistics MQI Level (caption), Statistics_MQI_Level (attribute name), and STATMQI (column name).

Statistics Queue Level

Specifies whether to collect statistics data about the activity of queues hosted by the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-10), Queue Manager (-3), None (-1), Off (0), On (1), Low (17), Medium (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: STATISTICS_QUEUE_LEVEL or STATQ (historical name), Statistics Queue Level (caption), Statistics_Queue_Level (attribute name), and STATQ (column name).

SUITEB

Indicates whether Suite B encryption is used. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), n/a (0), None (1), 128 BIT (2), 192 BIT (4), 128 BIT or 192 BIT (6). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SUITEB (historical name), SUITEB (caption), SUITEB (attribute name), and SUITEB (column name).

Syncpoint Support

Indicates whether syncpoint is available with the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Not Avail (0), Available (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SYNCPOINT_SUPPORT or SYNCPT (historical name), Syncpoint Support (caption), Syncpoint_Support (attribute name), and SYNCPT (column name).

TCP Keepalive

Specifies whether the Keepalive facility is used to check that the other end of the connection is still available. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TCP_KEEPALIVE or TCPKEEP (historical name), TCP Keepalive (caption), TCP_Keepalive (attribute name), and TCPKEEP (column name).

TCP/IP Stack Type

Indicates whether the channel initiator uses only the TCP/IP address space that is specified in the TCP name attribute or use multiple TCP/IP address spaces. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Single (0), Multiple (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TCP/IP_STACK_TYPE or TCPSTACK (historical name), TCP/IP Stack Type (caption), TCP/IP_Stack_Type (attribute name), and TCPSTACK (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: `TIMESTAMP` (historical name), `Timestamp` (caption), `Timestamp` (attribute name), and `TIMESTAMP` (column name).

Trace Route Recording

Specifies the accumulation of information in the Trace-Route message itself. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Disabled (0), Queue (1), Message (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `TRACE_ROUTE_RECORDING` or `ROUTEREC` (historical name), `Trace Route Recording` (caption), `Trace_Route_Recording` (attribute name), and `ROUTEREC` (column name).

Tree Life

The lifetime, in seconds of non-administrative topics. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `TREE_LIFE` or `TREELIFE` (historical name), `Tree Life` (caption), `Tree_Life` (attribute name), and `TREELIFE` (column name).

XRCAP

Indicates whether MQ Telemetry capability is supported by the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `XRCAP` (historical name), `XRCAP` (caption), `XRCAP` (attribute name), and `XRCAP` (column name).

Managers data set

The Managers attributes provide performance statistics and summary information for all of your queue managers. This data is collected at five-minute intervals.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

of ApplIDs

Not application to the current monitoring agent. The number of entries in the trace data set for this object. This information is only available if Application Queue Statistics are being collected on z/OS systems (`SET APPLICATION STATISTICS(ALL|NODYNAMQ)`). If Application Queue Statistics monitoring is not active, the values are 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `APPLICATION_IDENTIFIER_COUNT` or `APPLIDCNT` (historical name), `# of ApplIDs` (caption), `Application_Identifier_Count` (attribute name), and `APPLIDCNT` (column name).

of Page Sets

Not application to the current monitoring agent. The number of page sets that are defined. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `NUMBER_OF_PAGE_SETS` or `PS_NUM_PSE` (historical name), `# of Page Sets` (caption), `Number_of_Page_Sets` (attribute name), and `PS_NUM_PSE` (column name).

of Pools In Use

Not applicable to the current monitoring agent. Number of buffer pools that are in use by this queue manager. The valid format is an integer in the range 0 - 4. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: NUMBER_OF_BUFFER_POOLS_IN_USE or BM_POOL_C (historical name), # of Pools In Use (caption), Number_of_Buffer_Pools_In_Use (attribute name), and BM_POOL_C (column name).

of Qs Get-Inhib

The number of monitored queues that belong to this queue manager that are get-inhibited. Users cannot issue the MQ API routine MQGET for these queues. The type is integer (32-bit numeric property).

The following names are defined for this attribute: NUMBER_OF_QUEUES_GET-INHIBITED or Q_GET_INH (historical name), # of Qs Get-Inhib (caption), Number_of_Queues_Get-Inhibited (attribute name), and Q_GET_INH (column name).

of Qs Put-Inhib

The number of monitored queues that belong to this queue manager that are put-inhibited. Users cannot issue the MQ API routines MQPUT and MQPUT1 for these queues. The type is integer (32-bit numeric property).

The following names are defined for this attribute: NUMBER_OF_QUEUES_PUT-INHIBITED or Q_PUT_INH (historical name), # of Qs Put-Inhib (caption), Number_of_Queues_Put-Inhibited (attribute name), and Q_PUT_INH (column name).

of Queues

Not application to the current monitoring agent. The number of queues that are accessed by an application, transaction, or program running on this queue manager. This information is only available if Application Queue Statistics are being collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: APPLICATION_QUEUE_COUNT or APQUEUECNT (historical name), # of Queues (caption), Application_Queue_Count (attribute name), and APQUEUECNT (column name).

of Task IDs

Not application to the current monitoring agent. The number of task IDs that are associated with this queue manager, application, program, or CICS transaction that are active at the time of the last data sample. This information is only available if Application Queue Statistics are collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. The type is integer (32-bit numeric property).

The following names are defined for this attribute: APPLICATION_TASK_COUNT or APTASKCNT (historical name), # of Task IDs (caption), Application_Task_Count (attribute name), and APTASKCNT (column name).

of Tran/Pgms

Not application to the current monitoring agent. The number of unique CICS transactions or program names. This information is only available if Application Queue Statistics are collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: APPLICATION_TRANSACTION/PROGRAM_COUNT or TRANPGMCNT (historical name), # of Tran/Pgms (caption), Application_Transaction/Program_Count (attribute name), and TRANPGMCNT (column name).

Qs With High Depth

The number of monitored queues that belong to this queue manager that are marked as having too many messages (that is, their number of messages exceeds the high-depth threshold defined for each queue). The type is integer (32-bit numeric property).

The following names are defined for this attribute: NUMBER_QUEUES_WITH_HIGH_DEPTH or Q_HIDE_P_C (historical name), # Qs With High Depth (caption), Number_Queues_with_High_Depth (attribute name), and Q_HIDE_P_C (column name).

% Current Active Log Full

The percent full of the first copy of the current active log. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: CURRENT_ACTIVE_LOG_PERCENT_FULL or LM_PCTFULL (historical name), % Current Active Log Full (caption), Current_Active_Log_Percent_Full (attribute name), and LM_PCTFULL (column name).

% Failed Lookahead Tape Mounts

The percentage of attempted look ahead tape mounts that fail. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: PERCENT_FAILED_LOOKAHEAD_TAPE_MOUNTS or LM_FAILTMP (historical name), % Failed Lookahead Tape Mounts (caption), Percent_Failed_Lookahead_Tape_Mounts (attribute name), and LM_FAILTMP (column name).

% GetPg Outside Pool

Not application to the current monitoring agent. The percentage of get-page requests that are not resolved from the buffer pool. 0 - 100. 0. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: PERCENT_GETPAGES_OUTSIDE_BUFFER_POOLS or BM_GPR_NBP (historical name), % GetPg Outside Pool (caption), Percent_GetPages_Outside_Buffer_Pools (attribute name), and BM_GPR_NBP (column name).

% of Busy Tape Units

The percentage of maximum allowable allocated tape units (MAXRTU) that are currently busy. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: PERCENT_MAXIMUM_TAPE_UNITS or LM_MTAPEP (historical name), % of Busy Tape Units (caption), Percent_Maximum_Tape_Units (attribute name), and LM_MTAPEP (column name).

% Qs With High Depth

The percentage of monitored queues that belong to this queue manager that are marked as having too many messages (that is, their message depths exceed the high-depth threshold defined for each queue). 0 - 100. 0. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: PERCENT_QUEUES_WITH_HIGH_DEPTH or Q_HIDE_P_P (historical name), % Qs With High Depth (caption), Percent_Queues_with_High_Depth (attribute name), and Q_HIDE_P_P (column name).

% Rd Log Delayed

Not applicable to the current monitoring agent. The percentage of log-read requests that were delayed because your site's MAXALLC value (that is, maximum number of archive log data sets) was reached. 0 - 100. 0. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: PERCENT_READ_LOGS_DELAYED or LM_RLDLY_P (historical name), % Rd Log Delayed (caption), Percent_Read_Logs_Delayed (attribute name), and LM_RLDLY_P (column name).

Active Log Dataset Name

The name of the current active log data set, first copy. The type is string.

The following names are defined for this attribute: ACTIVE_LOG_DATASET_NAME or LM_DSNAME (historical name), Active Log Dataset Name (caption), Active_Log_Dataset_Name (attribute name), and LM_DSNAME (column name).

Active Logs Available

The number of active log data sets that are available for use; that is, the number of active log data sets that are not full. The type is integer (32-bit numeric property).

The following names are defined for this attribute: ACTIVE_LOGS_AVAILABLE or LM_LOGAVAL (historical name), Active Logs Available (caption), Active_Logs_Available (attribute name), and LM_LOGAVAL (column name).

Alias Queues

The number of alias queues that are monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: ALIAS_QUEUES or Q_ALIAS (historical name), Alias Queues (caption), Alias_Queues (attribute name), and Q_ALIAS (column name).

Alter Date & Time

The date and time that the queue manager definition is last altered. Standard 16-character date/time format (CYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ALTER_DATE_AND_TIME or ALTDAT_TIM (historical name), Alter Date & Time (caption), Alter_Date_and_Time (attribute name), and ALTDAT_TIM (column name).

Arch Log Read %

Not applicable to the current monitoring agent. The percentage of log-read requests that must be resolved from an archive log data set. 0 - 100. 0. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: ARCHIVE_READ_LOG_PERCENT or LM_ARC_RLP (historical name), Arch Log Read % (caption), Archive_Read_Log_Percent (attribute name), and LM_ARC_RLP (column name).

Archive Delay Due to Max Tape

The number of read log requests that are delayed because the maximum number of tape units that can be allocated for archive data sets is reached. This limiting value is determined by the MAXRTU value in the CSQ6LOGP system parameter macro. It can be modified by issuing the SET LOG command. The type is integer (32-bit numeric property).

The following names are defined for this attribute: READ_ARCHIVE_DELAY_MAXIMUM_TAPE_UNITS or LM_RDMAX (historical name), Archive Delay Due to Max Tape (caption), Read_Archive_Delay_Maximum_Tape_Units (attribute name), and LM_RDMAX (column name).

Archive Delay Unavail Resource

The number of read log requests that are delayed because of an unavailable resource that is not related to the MAXRTU limit, such as tape unit availability or WTOR delay. The valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute:

READ_ARCHIVE_DELAY_UNAVAILABLE_RESOURCE or LM_RDUR (historical name), Archive Delay Unavail Resource (caption), Read_Archive_Delay_Unavailable_Resource (attribute name), and LM_RDUR (column name).

Archiving Quiesced

Indicates that all user update activity is currently suspended to perform archive of the active log. This occurs if the ARCHIVE LOG MODE(QUIESCE) command is issued. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ARCHIVE_LOG QUIESCE_ACTIVE or LM_QUIESCE (historical name), Archiving Quiesced (caption), Archive_Log_Quiesce_Active (attribute name), and LM_QUIESCE (column name).

Auto-Defined Cluster Channels

The number of automatically defined cluster-sender channels that are currently being monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: AUTO-DEFINED_CLUSTER_CHANNELS or CH_AUTOCL (historical name), Auto-Defined Cluster Channels (caption), Auto-Defined_Cluster_Channels (attribute name), and CH_AUTOCL (column name).

Avg % In Use

Not application to the current monitoring agent. The average percentage of allocated pages that are in use across all page sets. The valid format is an integer (formatted to one decimal place) in the range 0.0 - 100.0. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: PAGE_SET_AVERAGE_PERCENT_IN_USE or PS_AVGUSEP (historical name), Avg % In Use (caption), Page_Set_Average_Percent_In_Use (attribute name), and PS_AVGUSEP (column name).

Avg Extents

Not application to the current monitoring agent. The average number of DASD extents per page set for this queue manager. Valid format is an integer (formatted to one decimal place). This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: PAGE_SET_AVERAGE_EXTENTS or PS_AVG_EXT (historical name), Avg Extents (caption), Page_Set_Average_Extents (attribute name), and PS_AVG_EXT (column name).

Avg Pages Allocated

Not application to the current monitoring agent. The average number of pages that are allocated per page set. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: PAGE_SET_AVERAGE_PAGES_ALLOCATED or PS_AVG_PG (historical name), Avg Pages Allocated (caption), Page_Set_Average_Pages_Allocated (attribute name), and PS_AVG_PG (column name).

Busy Archive Tapes

The number of tape units that are currently busy actively processing an archive log data set. The type is integer (32-bit numeric property).

The following names are defined for this attribute: BUSY_ARCHIVE_TAPE_UNITS or LM_BTAPE (historical name), Busy Archive Tapes (caption), Busy_Archive_Tape_Units (attribute name), and LM_BTAPE (column name).

Checkpoints

Not application to the current monitoring agent. The number of checkpoints that are issued during the sampling interval. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CHECKPOINTS or LM_CHKPNT (historical name), Checkpoints (caption), Checkpoints (attribute name), and LM_CHKPNT (column name).

Close Hndl Per Sec

Not applicable to the current monitoring agent. The number of times per second MQ closed an object (such as a queue) independently of a call to the MQCLOSE API routine. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: CLOSE_HANDLES_PER_SECOND or MM_CLHAN_R (historical name), Close Hndl Per Sec (caption), Close_Handles_Per_Second (attribute name), and MM_CLHAN_R (column name).

Cluster Qmgr Auto Clussdr

The current number of cluster queue manager entries for automatically defined cluster sender channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CLUSTER_QMGR_AUTOMATIC_CLUSTER_SENDER_CHANNELS or CH_CLUSASN (historical name), Cluster Qmgr Auto Clussdr (caption), Cluster_QMgr_Automatic_Cluster_Sender_Channels (attribute name), and CH_CLUSASN (column name).

Cluster Qmgr Clusrcvr

The current number of cluster queue manager entries for cluster receiver channels. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CLUSTER_QMGR_CLUSTER_RECEIVER_CHANNELS or CH_CLUSRCV (historical name), Cluster Qmgr Clusrcvr (caption), Cluster_QMgr_Cluster_Receiver_Channels (attribute name), and CH_CLUSRCV (column name).

Cluster Qmgr Explicit Clussdr

The current number of cluster queue manager entries for explicitly defined cluster sender channels. The valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CLUSTER_QMGR_EXPLICIT_CLUSTER_SENDER_CHANNELS or CH_CLUSES_N (historical name), Cluster Qmgr Explicit Clussdr (caption), Cluster_QMgr_Explicit_Cluster_Sender_Channels (attribute name), and CH_CLUSES_N (column name).

Cluster Queues

The number of cluster queue definitions. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CLUSTER_QUEUES or Q_CLUSTER (historical name), Cluster Queues (caption), Cluster_Queues (attribute name), and Q_CLUSTER (column name).

Command Server Queue Name

The name of the command server queue. The type is string.

The following names are defined for this attribute: COMMAND_SERVER_QUEUE_NAME or COMMANDQ (historical name), Command Server Queue Name (caption), Command_Server_Queue_Name (attribute name), and COMMANDQ (column name).

Current Channels

The number of currently active channels that are monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: ACTIVE_CHANNELS or CH_TACT (historical name), Current Channels (caption), Active_Channels (attribute name), and CH_TACT (column name).

Current Receivers

The number of currently active receiver channels that are monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: ACTIVE_RECEIVER_CHANNELS or CH_RECVACT (historical name), Current Receivers (caption), Active_Receiver_Channels (attribute name), and CH_RECVACT (column name).

Current Requesters

The number of currently active requester channels that are monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: ACTIVE_REQUESTER_CHANNELS or CH_REQACT (historical name), Current Requesters (caption), Active_Requester_Channels (attribute name), and CH_REQACT (column name).

Current Senders

The number of currently active sender channels that are monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: ACTIVE_SENDER_CHANNELS or CH_SENDACT (historical name), Current Senders (caption), Active_Sender_Channels (attribute name), and CH_SENDACT (column name).

Current Servers

The number of currently active server channels that are monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: ACTIVE_SERVER_CHANNELS or CH_SERVACT (historical name), Current Servers (caption), Active_Server_Channels (attribute name), and CH_SERVACT (column name).

DLQ Depth

The number of messages that are currently stored in the dead-letter queue (DLQ) of this queue manager. The valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: DLQ_DEPTH (historical name), DLQ Depth (caption), DLQ_Depth (attribute name), and DLQ_DEPTH (column name).

DLQ Maximum

The maximum number of messages that can be stored in the dead-letter queue (DLQ) of this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: DLQ_MAXIMUM or DLQ_MAXDP (historical name), DLQ Maximum (caption), DLQ_Maximum (attribute name), and DLQ_MAXDP (column name).

DLQ Name

The name that is assigned to the dead-letter queue of this queue manager. The type is string.

The following names are defined for this attribute: DEAD_LETTER_QUEUE_NAME or DLQ_NAME (historical name), DLQ Name (caption), Dead_Letter_Queue_Name (attribute name), and DLQ_NAME (column name).

Dynamic Perm Qs

The number of monitored, permanent dynamic queues that are created for this queue manager. The valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: PERMANENT_DYNAMIC_QUEUES or Q_PERM_DYN (historical name), Dynamic Perm Qs (caption), Permanent_Dynamic_Queues (attribute name), and Q_PERM_DYN (column name).

Dynamic Temp Qs

The number of monitored temporary dynamic queues that are created for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: TEMPORARY_DYNAMIC_QUEUES or Q_TEMP_DYN (historical name), Dynamic Temp Qs (caption), Temporary_Dynamic_Queues (attribute name), and Q_TEMP_DYN (column name).

Event Count

The total number of occurrences of all MQ events that are reported to the event queue of this queue manager. Informational only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HISTORICAL_EVENT_COUNT or HEVENT_CNT (historical name), Event Count (caption), Historical_Event_Count (attribute name), and HEVENT_CNT (column name).

Full Logs To Offload

The number of full active logs that are waiting to be offloaded. The type is integer (32-bit numeric property).

The following names are defined for this attribute: FULL_LOGS_TO_OFFLOAD or LM_FULLOFF (historical name), Full Logs To Offload (caption), Full_Logs_to_Offload (attribute name), and LM_FULLOFF (column name).

Full Page Sets

Not application to the current monitoring agent. The number of page sets that are full. When a page set is full, all calls to MQPUT or MQPUT1 for queues associated with that page set fail. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: FULL_PAGE_SETS or PS_FULL_PS (historical name), Full Page Sets (caption), Full_Page_Sets (attribute name), and PS_FULL_PS (column name).

GetPg IO %

Not application to the current monitoring agent. The percentage of get-page requests that resulted in I/O. The valid format is an integer (formatted to one decimal place) in the range 0.0 - 100.0. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: GETPAGE_I/O_PERCENT_ALL_BUFFER_POOLS or BM_GPR_IOP (historical name), GetPg IO % (caption), GetPage_I/O_Percent_All_Buffer_Pools (attribute name), and BM_GPR_IOP (column name).

High % In Use

Not application to the current monitoring agent. The highest percentage of allocated pages that are in use across all page sets. The valid format is an integer (formatted to one decimal place) in the range 0.0 - 100.0. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: PAGE_SET_HIGHEST_PERCENT_IN_USE or PS_HIUSE_P (historical name), High % In Use (caption), Page_Set_Highest_Percent_In_Use (attribute name), and PS_HIUSE_P (column name).

High Extents

Not application to the current monitoring agent. The highest number of DASD extents across all page sets for this queue manager. The valid format is an integer. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: PAGE_SET_HIGHEST_EXTENTS or PS_HI_EXT (historical name), High Extents (caption), Page_Set_Highest_Extents (attribute name), and PS_HI_EXT (column name).

Host Jobname

Not applicable to the current monitoring agent. The name of the started task or batch job that is running this queue manager. This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: HOST_JOBNAME or HOST_JOBNAME (historical name), Host Jobname (caption), Host_Jobname (attribute name), and HOST_JOBNAME (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

In-Doubt Channels

The number of monitored channel connections that are currently in doubt for this queue manager. A sender channel is in doubt when a logical unit of work (LUW) has been sent and the channel is waiting for an acknowledgment that the LUW has been successfully received (in other words, when a syncpoint has been requested but not yet performed). The type is integer (32-bit numeric property).

The following names are defined for this attribute: INDOUBT_CHANNELS or CH_TDOUBT (historical name), In-Doubt Channels (caption), Indoubt_Channels (attribute name), and CH_TDOUBT (column name).

Inactive Channels

The number of currently inactive channels that are monitored for this queue manager. The valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: INACTIVE_CHANNELS or CH_TINACT (historical name), Inactive Channels (caption), Inactive_Channels (attribute name), and CH_TINACT (column name).

Inactive Receivers

The number of currently inactive receiver channels that are monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: INACTIVE_RECEIVER_CHANNELS or CH_RECVINA (historical name), Inactive Receivers (caption), Inactive_Receiver_Channels (attribute name), and CH_RECVINA (column name).

Inactive Requesters

The number of currently inactive requester channels that are monitored for this queue manager. The valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: INACTIVE_REQUESTER_CHANNELS or CH_REQINA (historical name), Inactive Requesters (caption), Inactive_Requester_Channels (attribute name), and CH_REQINA (column name).

Inactive Senders

The number of currently inactive sender channels monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: INACTIVE_SENDER_CHANNELS or CH_SENDINA (historical name), Inactive Senders (caption), Inactive_Sender_Channels (attribute name), and CH_SENDINA (column name).

Inactive Servers

The number of currently inactive server channels that are monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: INACTIVE_SERVER_CHANNELS or CH_SERVINA (historical name), Inactive Servers (caption), Inactive_Server_Channels (attribute name), and CH_SERVINA (column name).

Interval Time

The length of interval. Informational only. The type is real number (32-bit numeric property) with two decimal places of precision.

The following names are defined for this attribute: INTERVAL_TIME or INT_TIME (historical name), Interval Time (caption), Interval_Time (attribute name), and INT_TIME (column name).

Local Queues

The number of local queues that are monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: LOCAL_QUEUES or Q_LOCAL (historical name), Local Queues (caption), Local_Queues (attribute name), and Q_LOCAL (column name).

Log Write Buffer Pagein

The number of times that a log write buffer needs to be paged in before it can be used. The type is integer (32-bit numeric property).

The following names are defined for this attribute: LOG_WRITE_BUFFER_PAGEIN or LM_PAGEIN (historical name), Log Write Buffer Pagein (caption), Log_Write_Buffer_Pagein (attribute name), and LM_PAGEIN (column name).

Log Write Threshold

The number of times that a log write request is scheduled because the log write threshold is reached. This threshold is determined by the WRTHRSR value in the CSQ6LOGP system parameter macro. It can be modified by issuing the SET LOG command. The type is integer (32-bit numeric property).

The following names are defined for this attribute: LOG_WRITE_THRESHOLD_REACHED or LM_THRW (historical name), Log Write Threshold (caption), Log_Write_Threshold_Reached (attribute name), and LM_THRW (column name).

Logging Suspended

Indicates whether logging is suspended. Logging is suspended if the SUSPEND QMGR LOG command is issued. All logging and update activity for the queue manager is suspended until the RESUME QMGR LOG command is issued. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LOGGING_SUSPENDED or LM_SUSPEND (historical name), Logging Suspended (caption), Logging_Suspended (attribute name), and LM_SUSPEND (column name).

Lookahead Tape Mounts

The number of look ahead tape mounts for archive data sets that are attempted. The type is integer (32-bit numeric property).

The following names are defined for this attribute: LOOK_AHEAD_TAPE_MOUNTS_ATTEMPTED or LM_TPMNT (historical name), Lookahead Tape Mounts (caption), Look_Ahead_Tape_Mounts_Attempted (attribute name), and LM_TPMNT (column name).

Low # Avail

Not application to the current monitoring agent. The lowest number of available (unused) buffers across all buffer pools that belong to this queue manager. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `LOWEST_NUMBER_AVAILABLE_BUFFERS` or `BM_LBA_C` (historical name), `Low # Avail` (caption), `Lowest_Number_Available_Buffers` (attribute name), and `BM_LBA_C` (column name).

Low % Avail

Not application to the current monitoring agent. The lowest percentage of available (unused) buffers across all buffer pools that belong to this queue manager. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: `LOWEST_PERCENT_AVAILABLE_BUFFERS` or `BM_LBA_P` (historical name), `Low % Avail` (caption), `Lowest_Percent_Available_Buffers` (attribute name), and `BM_LBA_P` (column name).

Message Security

Indicates whether message security is active and thus whether message functions are allowed for this manager. A value of for Yes means message functions are not allowed. A value of for No means message functions are allowed for this manager. The type is string.

The following names are defined for this attribute: `MESSAGE_SECURITY` or `MSGSECURE` (historical name), `Message Security` (caption), `Message_Security` (attribute name), and `MSGSECURE` (column name).

Monitored Queues

The number of active queues that are monitored for this queue manager. You specify which queues to monitor when customizing the monitoring agent. The dead-letter queue is always monitored. Valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `MONITORED_QUEUES` or `Q_TOTAL` (historical name), `Monitored Queues` (caption), `Monitored_Queues` (attribute name), and `Q_TOTAL` (column name).

MQCLOSE Per Sec

Not applicable to the current monitoring agent. The number of calls or starts per second of the MQ API routine MQCLOSE for this queue manager. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: `MQCLOSES_PER_SECOND` or `MM_CLOSE_R` (historical name), `MQCLOSE Per Sec` (caption), `MQCLOSEs_Per_Second` (attribute name), and `MM_CLOSE_R` (column name).

MQGET Per Sec

Not applicable to the current monitoring agent. The number of calls or starts per second of the MQ API routine MQGET for this queue manager. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: `MQGETS_PER_SECOND` or `MM_GET_R` (historical name), `MQGET Per Sec` (caption), `MQGETs_Per_Second` (attribute name), and `MM_GET_R` (column name).

MQINQ Per Sec

Not applicable to the current monitoring agent. The number of calls or starts per second of the MQ API routine MQINQ for this queue manager. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: MQINQS_PER_SECOND or MM_INQ_R (historical name), MQINQ Per Sec (caption), MQINQs_Per_Second (attribute name), and MM_INQ_R (column name).

MQOPEN Per Sec

Not applicable to the current monitoring agent. The number of calls or starts per second of the MQ API routine MQOPEN for this queue manager. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: MQOPENS_PER_SECOND or MM_OPEN_R (historical name), MQOPEN Per Sec (caption), MQOPENS_Per_Second (attribute name), and MM_OPEN_R (column name).

MQPUT Per Sec

Not applicable to the current monitoring agent. The number of calls or starts per second of the MQ API routine MQPUT for this queue manager. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: MQPUTS_PER_SECOND or MM_PUT_R (historical name), MQPUT Per Sec (caption), MQPUTs_Per_Second (attribute name), and MM_PUT_R (column name).

MQPUT1 Per Sec

Not applicable to the current monitoring agent. The number of calls or starts per second of the MQ API routine MQPUT1 for this queue manager. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: MQPUT1S_PER_SECOND or MM_PUT1_R (historical name), MQPUT1 Per Sec (caption), MQPUT1s_Per_Second (attribute name), and MM_PUT1_R (column name).

MQSeries Release

The release level of MQ under which this queue manager is executing. The type is string.

The following names are defined for this attribute: MQSERIES_RELEASE or MQ_VERSION (historical name), MQSeries Release (caption), MQSeries_Release (attribute name), and MQ_VERSION (column name).

MQSET Per Sec

Not applicable to the current monitoring agent. The number of calls or starts per second of the MQ API routine MQSET for this queue manager. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: MQSETS_PER_SECOND or MM_SET_R (historical name), MQSET Per Sec (caption), MQSETs_Per_Second (attribute name), and MM_SET_R (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Object Creates

The object create rate of the data manager per second. Informational only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: OBJECT_CREATE_RATE or DM_OBJC_R (historical name), Object Creates (caption), Object_Create_Rate (attribute name), and DM_OBJC_R (column name).

Object Deletes

The data manager object delete rate of the data manager per second. Informational only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: OBJECT_DELETE_RATE or DM_OBJD_R (historical name), Object Deletes (caption), Object_Delete_Rate (attribute name), and DM_OBJD_R (column name).

Object Gets

The data manager object get rate of the data manager per second. Informational only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: OBJECT_GET_RATE or DM_OBJG_R (historical name), Object Gets (caption), Object_Get_Rate (attribute name), and DM_OBJG_R (column name).

Object Locates

Data manager object locate rate per second. Informational only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: OBJECT_LOCATE_RATE or DM_OBJL_R (historical name), Object Locates (caption), Object_Locate_Rate (attribute name), and DM_OBJL_R (column name).

Object Puts

The object put rate of the data manager per second. Informational only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: OBJECT_PUT_RATE or DM_OBJP_R (historical name), Object Puts (caption), Object_Put_Rate (attribute name), and DM_OBJP_R (column name).

Offload Task Status

The current status of the offload task. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Available (1), Busy Allocating Archive Dataset (2), Busy Copying Active Log (3), Busy Copying BSDS (4), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OFFLOAD_TASK_STATUS or LM_OFFSTAT (historical name), Offload Task Status (caption), Offload_Task_Status (attribute name), and LM_OFFSTAT (column name).

Open Queues

The number of monitored queues that are currently open for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: OPEN_QUEUES or Q_OPEN (historical name), Open Queues (caption), Open_Queues (attribute name), and Q_OPEN (column name).

Predefined Queues

The number of predefined queues that are monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: PREDEFINED_QUEUES or Q_PREDEF (historical name), Predefined Queues (caption), Predefined_Queues (attribute name), and Q_PREDEF (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

QMgr Status

The status of this queue manager. The type is integer (32-bit numeric property) with enumerated

values. The following values are defined: Inactive (0), Active (1), No Agent (2), Unknown (3), QueueManager Not Available (4), CommandServer Not Responding (5), Dynamic Queue Allocation Error (6), Cluster Repository Unavailable (7), Standby (8), Running Elsewhere (9). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MQ_MANAGER_STATUS or STATUS (historical name), QMgr Status (caption), MQ_Manager_Status (attribute name), and STATUS (column name).

QMgr Subsys

Not applicable to the current monitoring agent. The subsystem ID that is associated with this queue manager. This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: MQ_MANAGER_SUBSYSTEM or SYS_NAME (historical name), QMgr Subsys (caption), MQ_Manager_Subsystem (attribute name), and SYS_NAME (column name).

QMgr Type

The operating system where this queue manager is running. The type is string with enumerated values. The following values are defined: MVS (M), AIX (A), OS2 (O), NT (N), HPUX (H), OS400 (4), Solaris (S), Guardian (G), Windows (W), Linux (L), UNIX (U), VMS (V), NSK (K), VSE (E), n/a (R). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MQ_MANAGER_TYPE or TYPE (historical name), QMgr Type (caption), MQ_Manager_Type (attribute name), and TYPE (column name).

QSG Name

Not application to the current monitoring agent. The name of the queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: QSG_NAME or QSGNAME (historical name), QSG Name (caption), QSG_Name (attribute name), and QSGNAME (column name).

Queue Messages

The total number of messages on all monitored queues. The type is integer (32-bit numeric property).

The following names are defined for this attribute: TOTAL_QUEUE_MESSAGES or Q_MSGS (historical name), Queue Messages (caption), Total_Queue_Messages (attribute name), and Q_MSGS (column name).

Read Log Per Min

Not applicable to the current monitoring agent. The number of read-log requests per minute. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: READ_LOGS_PER_MINUTE or LM_RDLOG_R (historical name), Read Log Per Min (caption), Read_Logs_Per_Minute (attribute name), and LM_RDLOG_R (column name).

Remote Queues

The number of remote queues that are monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: REMOTE_QUEUES or Q_REMOTE (historical name), Remote Queues (caption), Remote_Queues (attribute name), and Q_REMOTE (column name).

Server Connections

The total number of active server connections. Valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: ACTIVE_SERVER_CONNECTIONS or CH_SVRCONN (historical name), Server Connections (caption), Active_Server_Connections (attribute name), and CH_SVRCONN (column name).

Start Date & Time

The time and date that this queue manager or channel is last started. This attribute is not applicable to remote queue managers. This information is available only for UNIX and Linux systems. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: START_DATE_AND_TIME or STDAT_TIM (historical name), Start Date & Time (caption), Start_Date_and_Time (attribute name), and STDAT_TIM (column name).

StorClass Changes

The storage class change rate of the data manager per second. Informational only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: STORAGE_CLASS_CHANGE_RATE or DM_STGCC_R (historical name), StorClass Changes (caption), Storage_Class_Change_Rate (attribute name), and DM_STGCC_R (column name).

Synch Writes

Not application to the current monitoring agent. The number of times that the synchronous page processor needs to be started because the synchronous write threshold is reached. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: SYNCHRONOUS_WRITES_ALL_BUFFER_POOLS or BM_SSPST_C (historical name), Synch Writes (caption), Synchronous_Writes_All_Buffer_Pools (attribute name), and BM_SSPST_C (column name).

Timeout Count

The number of system command reply timeouts that occur during the most recent sampling cycle for the current queue manager. If the queue manager does not respond to an information request from the monitoring agent within 30 seconds, the monitoring agent considers it a timeout and stops waiting for a response. In this case, data is missing from the last sample. The type is integer (32-bit numeric property).

The following names are defined for this attribute: TIMEOUT_COUNT or TIMEOUT_CT (historical name), Timeout Count (caption), Timeout_Count (attribute name), and TIMEOUT_CT (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Total Channels

The total number of active channels and inactive channels. The valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TOTAL_CHANNELS or CH_TOTAL (historical name), Total Channels (caption), Total_Channels (attribute name), and CH_TOTAL (column name).

Transmit Queues

The number of transmission queues that are monitored for this queue manager. The type is integer (32-bit numeric property).

The following names are defined for this attribute: TRANSMIT_QUEUES or Q_XMIT (historical name), Transmit Queues (caption), Transmit_Queues (attribute name), and Q_XMIT (column name).

Unavailable Page Sets

Not application to the current monitoring agent. The number of defined page sets that are not available for use. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: UNAVAILABLE_PAGE_SETS or PS_NA_PSET (historical name), Unavailable Page Sets (caption), Unavailable_Page_Sets (attribute name), and PS_NA_PSET (column name).

Write Log Per Min

Not application to the current monitoring agent. The number of write-log requests per minute. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: WRITE_LOGS_PER_MINUTE or LM_WRLOG_R (historical name), Write Log Per Min (caption), Write_Logs_Per_Minute (attribute name), and LM_WRLOG_R (column name).

Write Requests Suspended

The number of times that a request to write data to buffers is suspended. The type is integer (32-bit numeric property).

The following names are defined for this attribute: WRITE_REQUEST_SUSPENDED or LM_WRSUSP (historical name), Write Requests Suspended (caption), Write_Request_Suspended (attribute name), and LM_WRSUSP (column name).

Zero Bufr Waits

Not applicable to the current monitoring agent. The number of times that an application has to wait because no buffers are available in buffer pool of this queue manager. The valid format is an integer. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: UNAVAILABLE_LOG_BUFFER_WAITS or LM_NOBFW_C (historical name), Zero Bufr Waits (caption), Unavailable_Log_Buffer_Waits (attribute name), and LM_NOBFW_C (column name).

Zero Bufrs Count

Not application to the current monitoring agent. The number of times that an MQ application cannot get an available buffer from the buffer pool of this queue manager. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: UNAVAILABLE_BUFFERS_COUNT_ALL_POOLS or BM_NOBUF_C (historical name), Zero Bufrs Count (caption), Unavailable_Buffers_Count_All_Pools (attribute name), and BM_NOBUF_C (column name).

Message Data data set

Use the Message Data attributes to view message parameters, including displacement, character data, converted data, and hexadecimal data. These attributes are informational only; they cannot be used to create situations. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Character Data

The contents of the message in character form. This is the message data after it has been converted to UTF-8 format character data using the message CCSID. The message data is retrieved from the queue for conversion without using the MQGMO_CONVERT option. The type is string.

The following names are defined for this attribute: CHARACTER_DATA_U or UCHAR_DATA (historical name), Character Data (caption), Character_Data_U (attribute name), and UCHAR_DATA (column name).

Character Data (Deprecated)

The data at displacement in characters. The type is string.

The following names are defined for this attribute: CHARACTER_DATA or CHAR_DATA (historical name), Character Data (Deprecated) (caption), Character_Data (attribute name), and CHAR_DATA (column name).

Character Data CCSID

The CCSID of the character set that is used to encode the message contents. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CHARACTER_DATA_CCSD or CHAR_CCSD (historical name), Character Data CCSID (caption), Character_Data_CCSD (attribute name), and CHAR_CCSD (column name).

CMW Password

Password of user on CMW The type is string.

The following names are defined for this attribute: CMW_PASSWORD or CMWPWD (historical name), CMW Password (caption), CMW_Password (attribute name), and CMWPWD (column name).

CMW Userid

Userid of user on CMW The type is string.

The following names are defined for this attribute: CMW_USERID or CMWUID (historical name), CMW Userid (caption), CMW_Userid (attribute name), and CMWUID (column name).

Converted Data

The data at displacement in converted characters. The type is string.

The following names are defined for this attribute: CONVERTED_DATA_U or UCNVR_DATA (historical name), Converted Data (caption), Converted_Data_U (attribute name), and UCNVR_DATA (column name).

Converted Data (Deprecated)

The contents of the message in character form. This is the message data after it has been converted to UTF-8 format character data using the message CCSID. The message data is retrieved from the queue for conversion using the MQGMO_CONVERT option. The type is string.

The following names are defined for this attribute: CONVERTED_DATA or CNVRT_DATA (historical name), Converted Data (Deprecated) (caption), Converted_Data (attribute name), and CNVRT_DATA (column name).

Converted Data CCSID

The CCSID of the character set that is used by the queue manager on which the message is stored. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CONVERTED_DATA_CCSD or CNVR_CCSD (historical name), Converted Data CCSID (caption), Converted_Data_CCSD (attribute name), and CNVR_CCSD (column name).

Converted Status

The status of the open or get command. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (-1), Success (0), MQMD Format None (12), 2001-Alias Base Q Type Error (2001), 2002-Already Connected (2002), 2003-Backed Out (2003), 2004-Buffer Error (2004), 2005-Buffer Length Error (2005), 2006-Char Attr Length Error (2006), 2007-Char Attrs Error (2007), 2008-Char Attrs Too Short (2008), 2009-Connection Broken (2009), 2010-Data Length Error (2010), 2011-Dynamic Q Name Error (2011), 2012-Environment Error (2012), 2013-Expiry Error (2013), 2014-Feedback Error (2014), 2016-Get Inhibited (2016), 2017-Handle Not Available (2017), 2018-Hconn Error (2018), 2019-Hobj Error (2019), 2020-Inhibit Value Error (2020), 2021-Int Attr Count Error (2021), 2022-Int Attr Count Too Small (2022), 2023-Int Attrs Array Error (2023), 2024-Syncpoint Limit Reached (2024), 2025-Max Conns Limit Reached (2025), 2026-Md Error (2026), 2027-Missing Reply To Q (2027), 2029-Msg Type Error (2029), 2030-Msg Too Big For Q (2030), 2031-Msg Too Big For Q Mgr (2031), 2033-No Msg Available (2033), 2034-No Msg Under Cursor (2034), 2035-Not Authorized (2035), 2036-Not Open For Browse (2036), 2037-Not Open For Input (2037), 2038-Not Open For Inquire (2038), 2039-Not Open For Output (2039), 2040-Not Open For Set (2040), 2041-Object Changed (2041), 2042-Object In Use (2042), 2043-Object Type Error (2043), 2044-Od Error (2044), 2045-Option Not Valid For Type (2045), 2046-Options Error (2046), 2047-Persistence Error (2047), 2048-Persistent Not Allowed (2048), 2049-Priority Exceeds Maximum (2049), 2050-Priority Error (2050), 2051-Put Inhibited (2051), 2052-Q Deleted (2052), 2053-Q Full (2053), 2055-Q Not Empty (2055), 2056-Q Space Not Available (2056), 2057-Q Type Error (2057), 2058-Q Mgr Name Error (2058), 2059-Q Mgr Not Available (2059), 2061-Report Options Error (2061), 2062-Second Mark Not Allowed (2062), 2063-Security Error (2063), 2065-Selector Count Error (2065), 2066-Selector Limit Exceeded (2066), 2067-Selector Error (2067), 2068-Selector Not For Type (2068), 2069-Signal Outstanding (2069), 2070-Signal Request Accepted (2070), 2071-Storage Not Available (2071), 2072-Syncpoint Not Available (2072), 2075-Trigger Control Error (2075), 2076-Trigger Depth Error (2076), 2077-Trigger Msg Priority Err (2077), 2078-Trigger Type Error (2078), 2079-Truncated Msg Accepted (2079), 2080-Truncated Msg Failed (2080), 2082-Unknown Alias Base Q (2082), 2085-Unknown Object Name (2085), 2086-Unknown Object Q Mgr (2086), 2087-Unknown Remote Q Mgr (2087), 2090-Wait Interval Error (2090), 2091-Xmit Q Type Error (2091), 2092-Xmit Q Usage Error (2092), 2093-Not Open For Pass All (2093), 2094-Not Open For Pass Ident (2094), 2095-Not Open For Set All (2095), 2096-Not Open For Set Ident (2096), 2097-Context Handle Error (2097), 2098-Context Not Available (2098), 2099-Signal1 Error (2099), 2100-Object Already Exists (2100), 2101-Object Damaged (2101), 2102-Resource Problem (2102), 2103-Another Q Mgr Connected (2103), 2104-Unknown Report Option (2104), 2105-Storage Class Error (2105), 2106-Cod Not Valid For Xcf Q (2106), 2107-Xwait Canceled (2107), 2108-Xwait Error (2108), 2109-Suppressed By Exit (2109), 2110-Format Error (2110), 2111-Source Ccsid Error (2111), 2112-Source Integer Enc Error (2112), 2113-Source Decimal Enc Error (2113), 2114-Source Float Enc Error (2114), 2115-Target Ccsid Error (2115), 2116-Target Integer Enc Error (2116), 2117-Target Decimal Enc Error (2117), 2118-Target Float Enc Error (2118), 2119-Not Converted (2119), 2120-Converted Msg Too Big (2120), 2120-Truncated (2120), 2121-No External Participants (2121), 2122-Participant Not Available (2122), 2123-Outcome Mixed (2123), 2124-Outcome Pending (2124), 2125-Bridge Started (2125), 2126-Bridge Stopped (2126), 2127-Adapter Storage Shortage (2127), 2128-Uow In Progress (2128), 2129-Adapter Conn Load Error (2129), 2130-Adapter Serv Load Error (2130), 2131-Adapter Defs Error (2131), 2132-Adapter Defs Load Error (2132), 2133-Adapter Conv Load Error (2133), 2134-Bo Error (2134), 2135-Dh Error (2135), 2136-Multiple Reasons (2136), 2137-Open Failed (2137), 2138-Adapter Disc Load Error (2138), 2139-Cno Error (2139), 2140-Cics Wait Failed (2140), 2141-Dlh Error (2141), 2142-Header Error (2142), 2143-Source Length Error (2143), 2144-Target Length Error (2144), 2145-Source Buffer Error (2145), 2146-Target Buffer Error (2146), 2148-lih Error (2148), 2149-Pcf Error (2149), 2150-Dbcs Error (2150), 2152-Object Name Error (2152), 2153-Object Q Mgr Name Error (2153), 2154-Recs Present Error (2154), 2155-Object Records Error (2155), 2156-Response Records Error (2156), 2157-Asid Mismatch (2157), 2158-Pmo Record Flags Error (2158), 2159-Put Msg Records Error (2159), 2160-Conn Id In Use (2160), 2161-Q Mgr Quiescing (2161), 2162-Q Mgr Stopping (2162), 2163-Duplicate Recov Coord (2163), 2173-Pmo Error (2173), 2182-Api Exit Not Found (2182), 2183-Api Exit Load Error (2183), 2184-Remote Q Name Error (2184), 2185-Inconsistent Persistence (2185), 2186-Gmo Error (2186), 2191-Tmc Error

(2191), 2192-Pageset Full (2192), 2193-Pageset Error (2193), 2194-Name Not Valid For Type (2194), 2195-Unexpected Error (2195), 2196-Unknown Xmit Q (2196), 2197-Unknown Def Xmit Q (2197), 2198-Def Xmit Q Type Error (2198), 2199-Def Xmit Q Usage Error (2199), 2201-Name In Use (2201), 2202-Connection Quiescing (2202), 2203-Connection Stopping (2203), 2204-Adapter Not Available (2204), 2206-Msg Id Error (2206), 2207-Correl Id Error (2207), 2208-File System Error (2208), 2209-No Msg Locked (2209), 2216-File Not Audited (2216), 2217-Connection Not Authorized (2217), 2218-Msg Too Big For Channel (2218), 2219-Call In Progress (2219), 2220-Rmh Error (2220), 2222-Q Mgr Active (2222), 2223-Q Mgr Not Active (2223), 2224-Q Depth High (2224), 2225-Q Depth Low (2225), 2226-Q Service Interval High (2226), 2227-Q Service Interval Ok (2227), 2233-Channel Auto Def Ok (2233), 2234-Channel Auto Def Error (2234), 2235-Cfh Error (2235), 2236-Cfil Error (2236), 2237-Cfin Error (2237), 2238-Cfsl Error (2238), 2239-Cfst Error (2239), 2241-Incomplete Group (2241), 2242-Incomplete Msg (2242), 2243-Inconsistent Ccsids (2243), 2244-Inconsistent Encodings (2244), 2245-Inconsistent Uow (2245), 2246-Invalid Msg Under Cursor (2246), 2247-Match Options Error (2247), 2248-Mde Error (2248), 2249-Msg Flags Error (2249), 2250-Msg Seq Number Error (2250), 2251-Offset Error (2251), 2252-Original Length Error (2252), 2253-Segment Length Zero (2253), 2255-Uow Not Available (2255), 2256-Wrong Gmo Version (2256), 2257-Wrong Md Version (2257), 2258-Group Id Error (2258), 2259-Inconsistent Browse (2259), 2260-Xqh Error (2260), 2261-Src Env Error (2261), 2262-Src Name Error (2262), 2263-Dest Env Error (2263), 2264-Dest Name Error (2264), 2265-Tm Error (2265), 2280-Hconfig Error (2280), 2281-Function Error (2281), 2282-Channel Started (2282), 2283-Channel Stopped (2283), 2284-Channel Conv Error (2284), 2285-Service Not Available (2285), 2286-Initialization Failed (2286), 2287-Termination Failed (2287), 2288-Unknown Q Name (2288), 2289-Service Error (2289), 2290-Q Already Exists (2290), 2291-User Id Not Available (2291), 2292-Unknown Entity (2292), 2293-Unknown Auth Entity (2293), 2294-Unknown Ref Object (2294), 2295-Channel Activated (2295), 2296-Channel Not Activated (2296), 3001-MQCFH Type Error (3001), 3002-MQCFH Struct Length Error (3002), 3003-MQCHF Version Error (3003), 3004-MQCFH Msg Seq Error (3004), 3005-MQCFH Control error (3005), 3006-MQCFH Parm Count Error (3006), 3007-MQCFH Command Error (3007), 3008-Command Failed (3008), 3009-MQCFIN Struct Length Error (3009), 3010-MQCFST Struct Length Error (3010), 3011-MQCFST String Length Error (3011), 3012-Force value Error (3012), 3013-Structure Type Error (3012), 3014-MQCFIN Parm ID Error (3014), 3015-MQCFST Parm ID Error (3015), 3016-Msg Length Error (3016), 3017-MQCFIN Duplicate Parm (3017), 3018-MQCFST Duplicate Parm (3018), 3019-Parm Count Too Small (3019), 3020-Parm Count Too Big (3020), 3021-Q Already In Cell (3021), 3022-Q Type Error (3022), 3023-MD Format Error (3023), 3025-Replace Value Error (3025), 3026-MQCFIL Duplicate Value (3026), 3027-MQCFIL Count Error (3027), 3028-MQCFIL Length Error (3028), 3029-Quiesce Value Error (3029), 3030-Msg Seq Number Error (3030), 3031-Ping Data Count Error (3031), 3032-Ping Data Compare Error (3032), 3034-Channel Type Error (3034), 3035-Parm Sequence Error (3035), 3036-Xmit Protocol Type Error (3036), 3037-Batch Size Error (3037), 3038-Disc Int Error (3038), 3039-Short Retry Error (3039), 3040-Short Timer Error (3040), 3041-Long Retry Error (3041), 3042-Long Timer Error (3042), 3043-Seq Number Wrap Error (3043), 3044-Max Msg Length Error (3044), 3045-Put Auth Error (3045), 3046-Purge Value Error (3046), 3047-MQCFIL Parm ID Error (3047), 3048-Msg Truncated (3048), 3049-CCSID Error (3049), 3050-Encoding Error (3050), 3052-Data Conv Value Error (3052), 3053-InDoubt Value Error (3053), 3054-Escape Type Error (3054), 3062-Channel Table Error (3062), 3063-MCA Type Error (3063), 3064-Chl Inst Type Error (3064), 3065-Chl Status Not Found (3065), 3066-MQCFSL Duplicate Parm (3066), 3067-MQCFSL Total Length Error (3067), 4001-Object Already Exist (4001), 4002-Object Wrong Type (4002), 4003-Like Object Wrong Type (4003), 4004-Object Open (4004), 4005-Attr Value Error (4005), 4006-Unknown Q Mgr (4006), 4007-Q Wrong Type (4007), 4008-Object Name Error (4008), 4009-Allocate Failed (4009), 4010-Host Not Available (4010), 4011-Configuration Error (4011), 4012-Connection Refused (4012), 4013-Entry Error (4013), 4014-Send Failed (4014), 4015-Receive Data Error (4015), 4016-Receive Failed (4016), 4017-Connection Closed (4017), 4018-No Storage (4018), 4019-No Comms Manager (4019), 4020-Listener Not Started (4020), 4024-Bind Failed (4024), 4025-Channel InDoubt (4025), 4026-MQCONN Failed (4026), 4027-MQOPEN Failed (4027), 4028-MQGET Failed (4028), 4029-MQPUT Failed (4029), 4030-PING Error (4030), 4031-Channel In Use (4031), 4032-Channel Not Found (4032), 4033-Unknown Remote Channel (4033), 4034-Remote QM Unavailable (4034), 4035-Remote QM Terminating (4035), 4036-MQINQ Failed (4036), 4037-Not Xmit Q (4037),

4038-Channel Disabled (4038), 4039-User Exit Not Available (4039), 4040-Commit Failed (4040), 4042-Channel Already Exists (4042), 4043-Data Too Large (4043), 4044-Channel Name Error (4044), 4045-Xmit Q Name Error (4045), 4047-MCA Name Error (4047), 4048-Send Exit Name Error (4048), 4049-Sec Exit Name Error (4049), 4050-Msg Exit Name Error (4050), 4051-Rcv Exit Name Error (4051), 4052-Xmit Q Name Wrong Type (4052), 4053-MCA Name Wrong Type (4053), 4054-Disc Int Wrong Type (4054), 4055-Short Retry Wrong Type (4055), 4056-Short Timer Wrong Type (4056), 4057-Long Retry Wrong Type (4057), 4058-Long Timer Wrong Type (4058), 4059-Put Auth Wrong Type (4059), 4061-Missing Conn Name (4061), 4062-Conn Name Error (4062), 4063-MQSET Failed (4063), 4064-Channel Not Active (4064), 4065-Terminated By Sec Exit (4065), 4067-Dynamic Q Scope Error (4067), 4068-Cell Dir Not Available (4068), 4069-MR Count Error (4069), 4070-MR Count Wrong Type (4070), 4071-MR Exit Name Error (4071), 4072-MR Exit Name Wrong Type (4072), 4073-MR Interval Error (4073), 4074-MR Interval Wrong Type (4074), 4075-NPM Speed Error (4075), 4076-NPM Speed Wrong Type (4076), 4077-HB Interval Error (4077), 4078-HB Interval Wrong Type (4078), 4079-CHAD Error (4079), 4080-CHAD Wrong Type (4080), 4081-CHAD Event Error (4081), 4082-CHAD Event Wrong Type (4082), 4083-CHAD Exit Error (4083), 4084-CHAD Exit Wrong Type (4084), 4085-Suppressed By Exit (4085), 4086-Batch Int Error (4086), 4087-Batch Int Wrong Type (4087), Insufficient Storage (9005), Agent Timeout Occurred (9009), Not Allowed By COMMAND Option (9010), Failed Due to QMGR Quiescing (9011), Unknown Reason Code (9012), Command Accepted by MVS (9013), QMGR Not Active (9014), Remote QMGR Not Supported (9015), Syntax Error (9016), Command Failed (9017), Not Allowed by Security (9018), Not Supported by Platform (9019). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CONVERTED_STATUS or CNVRT_STAT (historical name), Converted Status (caption), Converted_Status (attribute name), and CNVRT_STAT (column name).

Correlation ID

The correlation identifier. The type is string.

The following names are defined for this attribute: CORRELATION_ID or CORRELID (historical name), Correlation ID (caption), Correlation_ID (attribute name), and CORRELID (column name).

Disp The displacement within the message. The type is string.

The following names are defined for this attribute: DISPLACEMENT or DISP (historical name), Disp (caption), Displacement (attribute name), and DISP (column name).

Hexadecimal Data

The data at displacement in hexadecimal characters. The type is string.

The following names are defined for this attribute: HEXADECIMAL_DATA or HEX_DATA (historical name), Hexadecimal Data (caption), Hexadecimal_Data (attribute name), and HEX_DATA (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Message ID

The identifier that is associated with the message. The type is string.

The following names are defined for this attribute: MESSAGE_ID or MSGID (historical name), Message ID (caption), Message_ID (attribute name), and MSGID (column name).

Message Tag

Cyclic redundancy check (CRC) for message descriptor (MQMD) in hexadecimal characters. The type is string.

The following names are defined for this attribute: MESSAGE_TAG or MQMD_CRC (historical name), Message Tag (caption), Message_Tag (attribute name), and MQMD_CRC (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

QMgr Name

The name that is assigned to this queue manager. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Queue Name

The name of the queue that is specified in the MQOPEN call (MQOD_ObjectName) of the application. The type is string.

The following names are defined for this attribute: QUEUE_NAME or QNAME (historical name), Queue Name (caption), Queue_Name (attribute name), and QNAME (column name).

Status The status of the open or get command. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: OK (0), Warning (1), (KMQW000W)2001-Alias Base Q Type Error (2001), (KMQW000W)2004-Buffer Error (2004), (KMQW000W)2005-Buffer Length Error (2005), (KMQW000W)2009-Connection Broken (2009), (KMQW000W)2010-Data Length Error (2010), (KMQW000W)2011-Dynamic Q Name Error (2011), (KMQW000W)2016-Get Inhibited (2016), (KMQW000W)2017-Handle Not Available (2017), (KMQW000W)2018-Hconn Error (2018), (KMQW000W)2019-Hobj Error (2019), (KMQW000W)2024-Syncpoint Limit Reached (2024), (KMQW000W)2026-MD Error (2026), (KMQW000W)2033-No Msg Available (2033), (KMQW000W)2034-No Msg Under Cursor (2034), (KMQW000W)2035-Not Authorized (2035), (KMQW000W)2036-Not Open For Browse (2036), (KMQW000W)2037-Not Open For Input (2037), (KMQW000W)2041-Object Changed (2041), (KMQW000W)2042-Object In Use (2042), (KMQW000W)2043-Object Type Error (2043), (KMQW000W)2044-OD Error (2044), (KMQW000W)2045-Option Not Valid For Type (2045), (KMQW000W)2046-Options Error (2046), (KMQW000W)2052-Q Deleted (2052), (KMQW000W)2057-Q Type Error (2057), (KMQW000W)2058-Q Mgr Name Error (2058), (KMQW000W)2059-Q Mgr Not Available (2059), (KMQW000W)2062-Second Mark Not Allowed (2062), (KMQW000W)2063-Security Error (2063), (KMQW000W)2069-Signal Outstanding (2069), (KMQW000W)2070-Signal Request Accepted (2070), (KMQW000W)2071-Storage Not Available (2071), (KMQW000W)2079-Truncated Msg Accepted (2079), (KMQW000W)2080-Truncated Msg Failed (2080), (KMQW000W)2082-Unknown Alias Base Q (2082), (KMQW000W)2085-Unknown Object Name (2085), (KMQW000W)2086-Unknown Object Q Mgr (2086), (KMQW000W)2087-Unknown Remote Q Mgr (2087), (KMQW000W)2091-Xmit Q Type Error (2091), (KMQW000W)2092-Xmit Q Usage Error (2092), (KMQW000W)2099-Signal1 Error (2099), (KMQW000W)2100-Object Already Exists (2100), (KMQW000W)2101-Object Damaged (2101), (KMQW000W)2102-Resource Problem (2102), (KMQW000W)2109-Suppressed By Exit (2109), (KMQW000W)2110-Format Error (2110), (KMQW000W)2111-Source CCSID Error (2111), (KMQW000W)2112-Source Integer Enc Error (2112), (KMQW000W)2113-Source Decimal Enc Error (2113), (KMQW000W)2114-Source Float Enc Error (2114), (KMQW000W)2115-Target CCSID Error (2115), (KMQW000W)2116-Target Integer Enc Error (2116), (KMQW000W)2117-Target Decimal Enc Error (2117), (KMQW000W)2118-Target Float Enc Error (2118), (KMQW000W)2119-Not Converted (2119), (KMQW000W)2120-Converted Msg Too Big (2120), (KMQW000W)2130-Adapter Serv Load Error (2130), (KMQW000W)2133-Adapter Conv Load Error (2133), (KMQW000W)2136-Multiple Reasons (2136), (KMQW000W)2140-CICS Wait Failed (2140), (KMQW000W)2152-Object Name Error (2152), (KMQW000W)2153-Object Q Mgr Name Error (2153), (KMQW000W)2154-Recs Present Error (2154), (KMQW000W)2155-Object Records Error (2155), (KMQW000W)2156-Response Records Error (2156), (KMQW000W)2157-ASID Mismatch (2157), (KMQW000W)2161-Q Mgr Quiescing (2161), (KMQW000W)2162-Q Mgr Stopping (2162), (KMQW000W)2183-API Exit Load Error (2183), (KMQW000W)2184-Remote Q

Name Error (2184), (KMQW000W)2186-GMO Error (2186), (KMQW000W)2192-Pageset Full (2192), (KMQW000W)2193-Pageset Error (2193), (KMQW000W)2194-Name Not Valid For Type (2194), (KMQW000W)2195-Unexpected Error (2195), (KMQW000W)2196-Unknown Xmit Q (2196), (KMQW000W)2197-Unknown Def Xmit Q (2197), (KMQW000W)2198-Def Xmit Q Type Error (2198), (KMQW000W)2199-Def Xmit Q Usage Error (2199), (KMQW000W)2201-Name In Use (2201), (KMQW000W)2202-Connection Quiescing (2202), (KMQW000W)2203-Connection Stopping (2203), (KMQW000W)2204-Adapter Not Available (2204), (KMQW000W)2209-No Msg Locked (2209), (KMQW000W)2217-Connection Not Authorized (2217), (KMQW000W)2219-Call In Progress (2219), (KMQW000W)2241-Incomplete Group (2241), (KMQW000W)2242-Incomplete Msg (2242), (KMQW000W)2243-Inconsistent CCSIDs (2243), (KMQW000W)2244-Inconsistent Encodings (2244), (KMQW000W)2245-Inconsistent UOW (2245), (KMQW000W)2246-Invalid Msg Under Cursor (2246), (KMQW000W)2247-Match Options Error (2247), (KMQW000W)2255-UOW Not Available (2255), (KMQW000W)2256-Wrong GMO Version (2256), (KMQW000W)2257-Wrong MD Version (2257), (KMQW000W)2259-Inconsistent Browse (2259), (KMQW002E)Unsupported CCSID Found (9002), (KMQW008E)Not Allowed By MSGACCESS (9008), (KMQW009E)Agent Timeout Occurred (9009). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_STATUS or STATUS (historical name), Status (caption), Browse_Status (attribute name), and STATUS (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Message Details data set

Use the Message Details attributes to view message parameters, including name, description, and value. These attributes are informational only; they cannot be used to create situations. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

CMW Password

The password of the user on CMW. The type is string.

The following names are defined for this attribute: CMW_PASSWORD or CMWPWD (historical name), CMW Password (caption), CMW_Password (attribute name), and CMWPWD (column name).

CMW Userid

The ID of the user on CMW. The type is string.

The following names are defined for this attribute: CMW_USERID or CMWUID (historical name), CMW Userid (caption), CMW_Userid (attribute name), and CMWUID (column name).

Coded CCSID

The coded character set identifier of the character data in the application message data. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Default (0), Embedded (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CODED_CCSSID or PARM_6 (historical name), Coded CCSID (caption), Coded_CCSSID (attribute name), and PARM_6 (column name).

Correlation ID

The correlation identifier. The type is string.

The following names are defined for this attribute: CORRELATION_ID or CORRELID (historical name), Correlation ID (caption), Correlation_ID (attribute name), and CORRELID (column name).

DH Coded CCSID

The character set identifier of data that follows array of MQPMR records. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Default (0), Embedded (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DH_CODED_CCSSID or PARM_56 (historical name), DH Coded CCSID (caption), DH_Coded_CCSSID (attribute name), and PARM_56 (column name).

DH Encoding

The numeric encoding of data that follows array of MQPMR records. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Native (785). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DH_ENCODING or PARM_55 (historical name), DH Encoding (caption), DH_Encoding (attribute name), and PARM_55 (column name).

DH Flags

The general flag. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), New Message Identifiers (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DH_FLAGS or PARM_58 (historical name), DH Flags (caption), DH_Flags (attribute name), and PARM_58 (column name).

DH Put Msg Receive

Indicates which MQPMR fields are present. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None; No Put Message Record Fields (0), Message Identifier (1), Correlation Identifier (2), Group Identifier (4), Put Feedback (8), Accounting Token (16). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DH_PUT_MSG_RECEIVE or PARM_59 (historical name), DH Put Msg Receive (caption), DH_Put_Msg_Receive (attribute name), and PARM_59 (column name).

DLH Coded CCSID

The character set identifier of the data that follows the MQDLH structure. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Default (0), Embedded (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DLH_CODED_CCSSID or PARM_27 (historical name), DLH Coded CCSID (caption), DLH_Coded_CCSSID (attribute name), and PARM_27 (column name).

DLH Encoding

The numeric encoding of the data that follows the MQDLH structure. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Native (785). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DLH_ENCODING or PARM_26 (historical name), DLH Encoding (caption), DLH_Encoding (attribute name), and PARM_26 (column name).

DLH Put Application Type

The type of application that put the message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: NoContext (0), CICS (1), MVS (2), IMS (3), OS2 (4), DOS (5), UNIX (6), QMGR (7), OS400 (8), WINDOWS (9), CICS VSE (10), WINDOWS NT (11), VMS (12), GUARDIAN (13), VOS (14), IMS BRIDGE (19), XCF (20), CICS BRIDGE (21), NOTES AGENT (22), USER (25), BROKER (26), QMGR PUBLISH (27), JAVA (28), DQM (29),

CHINIT (30), WLM (31), BATCH (32), RRS BATCH (33), SIB (34), SYSTEMEXT (35), MCAST PUBLISH (36), SYSTEM (101), USER FIRST (65536), SYSTEMEXT (35), Unknown (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DLH_PUT_APPLICATION_TYPE or PARM_29 (historical name), DLH Put Application Type (caption), DLH_Put_Application_Type (attribute name), and PARM_29 (column name).

DLH Reason

The reason why the message was placed on the dead-letter (undelivered message) queue instead of on the original destination queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), System First (1), Quit (256), Expiration (258), Coa (259), Cod (260), Channel Completed (262), Channel Fail Retry (263), Channel Fail (264), Appl Cannot Be Started (265), Trigger Message Error (266), Appl Type Error (267), Stopped By Message Exit (268), Activity (269), Xmit Queue Message Error (271), Pan (275), Nan (276), Stopped By Chad Exit (277), Stopped By Pubsub Exit (279), Not A Repository Msg (280), Bind Open Clusrcvr Del (281), Max Activities (282), Not Forwarded (283), Not Delivered (284), Unsupported Forwarding (285), Unsupported Delivery (286), Data Length Zero (291), Data Length Negative (292), Data Length Too Big (293), Buffer Overflow (294), Length Off By One (295), Iih Error (296), Not Authorized For Ims (298), Ims Error (300), Ims First (301), Ims Last (399), Cics Internal Error (401), Cics Not Authorized (402), Cics Bridge Failure (403), Cics Correl Id Error (404), Cics Ccsid Error (405), Cics Encoding Error (406), Cics Cih Error (407), Cics Uow Error (408), Cics Commarea Error (409), Cics Appl Not Started (410), Cics Appl Abended (411), Cics Dlq Error (412), Cics Uow Backed Out (413), Mqrc Appl First (900), Mqrc Appl Last (999), Alias Base Q Type Error (2001), Already Connected (2002), Backed Out (2003), Buffer Error (2004), Buffer Length Error (2005), Char Attr Length Error (2006), Char Attrs Error (2007), Char Attrs Too Short (2008), Connection Broken (2009), Data Length Error (2010), Dynamic Q Name Error (2011), Environment Error (2012), Expiry Error (2013), Feedback Error (2014), Get Inhibited (2016), Handle Not Available (2017), Hconn Error (2018), Hobj Error (2019), Inhibit Value Error (2020), Int Attr Count Error (2021), Int Attr Count Too Small (2022), Int Attrs Array Error (2023), Syncpoint Limit Reached (2024), Max Conns Limit Reached (2025), Md Error (2026), Missing Reply To Q (2027), Msg Type Error (2029), Message Too Big For Queue (2030), Message Too Big For Queue Manager (2031), No Msg Available (2033), No Msg Under Cursor (2034), Not Authorized (2035), Not Open For Browse (2036), Not Open For Input (2037), Not Open For Inquire (2038), Not Open For Output (2039), Not Open For Set (2040), Object Changed (2041), Object In Use (2042), Object Type Error (2043), Od Error (2044), Option Not Valid For Type (2045), Options Error (2046), Persistence Error (2047), Persistent Not Allowed (2048), Priority Exceeds Maximum (2049), Priority Error (2050), Put Inhibited (2051), Queue Deleted (2052), Queue Full (2053), Q Not Empty (2055), Queue Space Not Available (2056), Queue Type Error (2057), Q Mgr Name Error (2058), Q Mgr Not Available (2059), Report Options Error (2061), Second Mark Not Allowed (2062), Security Error (2063), Selector Count Error (2065), Selector Limit Exceeded (2066), Selector Error (2067), Selector Not For Type (2068), Signal Outstanding (2069), Signal Request Accepted (2070), Storage Not Available (2071), Syncpoint Not Available (2072), Trigger Control Error (2075), Trigger Depth Error (2076), Trigger Msg Priority Err (2077), Trigger Type Error (2078), Truncated Msg Accepted (2079), Truncated Msg Failed (2080), Unknown Alias Base Queue (2082), Unknown Object Name (2085), Unknown Object Queue Manager (2086), Unknown Remote Queue Manager (2087), Wait Interval Error (2090), Xmit Q Type Error (2091), Xmit Q Usage Error (2092), Not Open For Pass All (2093), Not Open For Pass Ident (2094), Not Open For Set All (2095), Not Open For Set Ident (2096), Context Handle Error (2097), Context Not Available (2098), Signal1 Error (2099), Object Already Exists (2100), Object Damaged (2101), Resource Problem (2102), Another Q Mgr Connected (2103), Unknown Report Option (2104), Storage Class Error (2105), Cod Not Valid For Xcf Q (2106), Xwait Canceled (2107), Xwait Error (2108), Suppressed By Exit (2109), Format Error (2110), Source Ccsid Error (2111), Source Integer Enc Error (2112), Source Decimal Enc Error (2113), Source Float Enc Error (2114), Target Ccsid Error (2115), Target Integer Enc Error (2116), Target Decimal Enc Error (2117), Target Float Enc Error (2118), Not Converted (2119), Converted Msg Too Big (2120), Truncated (2120), No External Participants (2121), Participant Not Available (2122), Outcome Mixed (2123), Outcome Pending (2124), Bridge Started (2125), Bridge Stopped

(2126), Adapter Storage Shortage (2127), Uow In Progress (2128), Adapter Conn Load Error (2129), Adapter Serv Load Error (2130), Adapter Defs Error (2131), Adapter Defs Load Error (2132), Adapter Conv Load Error (2133), Bo Error (2134), Dh Error (2135), Multiple Reasons (2136), Open Failed (2137), Adapter Disc Load Error (2138), Cno Error (2139), Cics Wait Failed (2140), Dlh Error (2141), Header Error (2142), Source Length Error (2143), Target Length Error (2144), Source Buffer Error (2145), Target Buffer Error (2146), Iih Error (2148), Pcf Error (2149), DBCS Error (2150), Object Name Error (2152), Object Q Mgr Name Error (2153), Recs Present Error (2154), Object Records Error (2155), Response Records Error (2156), Asid Mismatch (2157), Pmo Record Flags Error (2158), Put Msg Records Error (2159), Conn Id In Use (2160), Q Mgr Quiescing (2161), Q Mgr Stopping (2162), Duplicate Recov Coord (2163), Pmo Error (2173), Api Exit Not Found (2182), Api Exit Load Error (2183), Remote Q Name Error (2184), Inconsistent Persistence (2185), Gmo Error (2186), Cics Bridge Restriction (2187), Stopped By Cluster Exit (2188), Cluster Resolution Error (2189), Converted String Too Big (2190), Tmc Error (2191), Pageset Full (2192), Storage Medium Full (2192), Pageset Error (2193), Name Not Valid For Type (2194), Unexpected Error (2195), Unknown Xmit Q (2196), Unknown Def Xmit Q (2197), Def Xmit Q Type Error (2198), Def Xmit Q Usage Error (2199), Name In Use (2201), Connection Quiescing (2202), Connection Stopping (2203), Adapter Not Available (2204), Msg Id Error (2206), Correl Id Error (2207), File System Error (2208), No Msg Locked (2209), Soap Dotnet Error (2210), Soap Axis Error (2211), Soap Url Error (2212), File Not Audited (2216), Connection Not Authorized (2217), Message Too Big For Channel (2218), Call In Progress (2219), Rmh Error (2220), Q Mgr Active (2222), Queue Manager Not Active (2223), Q Depth High (2224), Q Depth Low (2225), Q Service Interval High (2226), Q Service Interval Ok (2227), Rfh Header Field Error (2228), Ras Property Error (2229), Unit Of Work Not Started (2232), Channel Auto Def Ok (2233), Channel Auto Def Error (2234), Cfh Error (2235), Cfil Error (2236), Cfin Error (2237), Cfsl Error (2238), Cfst Error (2239), Incomplete Group (2241), Incomplete Msg (2242), Inconsistent Ccsids (2243), Inconsistent Encodings (2244), Inconsistent Uow (2245), Invalid Msg Under Cursor (2246), Match Options Error (2247), Mde Error (2248), Message Flags Error (2249), Msg Seq Number Error (2250), Offset Error (2251), Original Length Error (2252), Segment Length Zero (2253), Uow Not Available (2255), Wrong Gmo Version (2256), Wrong Md Version (2257), Group Id Error (2258), Inconsistent Browse (2259), Xqh Error (2260), Src Env Error (2261), Src Name Error (2262), Dest Env Error (2263), Dest Name Error (2264), Tm Error (2265), Cluster Exit Error (2266), Cluster Exit Load Error (2267), Cluster Put Inhibited (2268), Cluster Resource Error (2269), No Destinations Available (2270), Conn Tag In Use (2271), Partially Converted (2272), Connection Error (2273), Option Environment Error (2274), Cd Error (2277), Client Conn Error (2278), Channel Stopped By User (2279), Hconfig Error (2280), Function Error (2281), Channel Started (2282), Channel Stopped (2283), Channel Conv Error (2284), Service Not Available (2285), Initialization Failed (2286), Termination Failed (2287), Unknown Q Name (2288), Service Error (2289), Q Already Exists (2290), User Id Not Available (2291), Unknown Entity (2292), Unknown Auth Entity (2293), Unknown Ref Object (2294), Channel Activated (2295), Channel Not Activated (2296), Uow Canceled (2297), Function Not Supported (2298), Selector Type Error (2299), Command Type Error (2300), Multiple Instance Error (2301), System Item Not Alterable (2302), Bag Conversion Error (2303), Selector Out Of Range (2304), Selector Not Unique (2305), Index Not Present (2306), String Error (2307), Encoding Not Supported (2308), Selector Not Present (2309), Out Selector Error (2310), String Truncated (2311), Selector Wrong Type (2312), Inconsistent Item Type (2313), Index Error (2314), System Bag Not Alterable (2315), Item Count Error (2316), Format Not Supported (2317), Selector Not Supported (2318), Item Value Error (2319), Hbag Error (2320), Parameter Missing (2321), Cmd Server Not Available (2322), String Length Error (2323), Inquiry Command Error (2324), Nested Bag Not Supported (2325), Bag Wrong Type (2326), Item Type Error (2327), System Bag Not Deletable (2328), System Item Not Deletable (2329), Coded Char Set Id Error (2330), Msg Token Error (2331), Missing Wih (2332), Wih Error (2333), Rfh Error (2334), Rfh String Error (2335), Rfh Command Error (2336), Rfh Parm Error (2337), Rfh Duplicate Parm (2338), Rfh Parm Missing (2339), Char Conversion Error (2340), Ucs2 Conversion Error (2341), Db2 Not Available (2342), Object Not Unique (2343), Conn Tag Not Released (2344), Cf Not Available (2345), Cf Struc In Use (2346), Cf Struc List Hdr In Use (2347), Cf Struc Auth Failed (2348), Cf Struc Error (2349), Conn Tag Not Usable (2350), Global Uow Conflict (2351), Local Uow Conflict (2352), Handle In Use For Uow (2353), Uow Enlistment Error (2354), Uow Mix Not Supported

(2355), Wxp Error (2356), Current Record Error (2357), Next Offset Error (2358), No Record Available (2359), Object Level Incompatible (2360), Next Record Error (2361), Backout Threshold Reached (2362), Msg Not Matched (2363), Jms Format Error (2364), Segments Not Supported (2365), Wrong Cf Level (2366), Config Create Object (2367), Config Change Object (2368), Config Delete Object (2369), Config Refresh Object (2370), Channel Ssl Error (2371), Cf Struc Failed (2373), Api Exit Error (2374), Api Exit Init Error (2375), Api Exit Term Error (2376), Exit Reason Error (2377), Reserved Value Error (2378), No Data Available (2379), Sco Error (2380), Key Repository Error (2381), Crypto Hardware Error (2382), Auth Info Rec Count Error (2383), Auth Info Rec Error (2384), Air Error (2385), Auth Info Type Error (2386), Auth Info Conn Name Error (2387), Ldap User Name Error (2388), Ldap User Name Length Err (2389), Ldap Password Error (2390), Ssl Already Initialized (2391), Ssl Config Error (2392), Ssl Initialization Error (2393), Q Index Type Error (2394), Cfbs Error (2395), Ssl Not Allowed (2396), Jsse Error (2397), Ssl Peer Name Mismatch (2398), Ssl Peer Name Error (2399), Unsupported Cipher Suite (2400), Ssl Certificate Revoked (2401), Ssl Cert Store Error (2402), Client Exit Load Error (2406), Client Exit Error (2407), Ssl Key Reset Error (2409), Unknown Component Name (2410), Logger Status (2411), Command Mqsc (2412), Command Pcf (2413), Cfif Error (2414), Cfsf Error (2415), Cfgr Error (2416), Msg Not Allowed In Group (2417), Filter Operator Error (2418), Nested Selector Error (2419), Eph Error (2420), Rfh Format Error (2421), Cfbf Error (2422), Client Channel Conflict (2423), Reopen Excl Input Error (6100), Reopen Inquire Error (6101), Reopen Saved Context Err (6102), Reopen Temporary Q Error (6103), Attribute Locked (6104), Cursor Not Valid (6105), Encoding Error (6106), Struc Id Error (6107), Null Pointer (6108), No Connection Reference (6109), No Buffer (6110), Binary Data Length Error (6111), Buffer Not Automatic (6112), Insufficient Buffer (6113), Insufficient Data (6114), Data Truncated (6115), Zero Length (6116), Negative Length (6117), Negative Offset (6118), Inconsistent Format (6119), Inconsistent Object State (6120), Context Object Not Valid (6121), Context Open Error (6122), Struc Length Error (6123), Not Connected (6124), Not Open (6125), Distribution List Empty (6126), Inconsistent Open Options (6127), Wrong Version (6128), Reference Error (6129), System Last (65535), Mqfb Appl First (65536), Mqfb Appl Last (999999999). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DLH_REASON or PARM_23 (historical name), DLH Reason (caption), DLH Reason (attribute name), and PARM_23 (column name).

Encoding

The numeric encoding of numeric data in the message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Native (785). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ENCODING or PARM_5 (historical name), Encoding (caption), Encoding (attribute name), and PARM_5 (column name).

Expiry The period of time, after which the message becomes eligible to be discarded if it has not already been removed from the target queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unlimited (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EXPIRY or PARM_3 (historical name), Expiry (caption), Expiry (attribute name), and PARM_3 (column name).

Feedback

Used only with report messages to indicate the nature of the report. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), Quit (256), Message Expired (258), Confirmation Of Arrival (259), Confirmation Of Delivery (260), Channel Completed (262), Channel Fail Retry (263), Channel Fail (264), Appl Cannot Be Started (265), Trigger Message Error (266), Appl Type Error (267), Stopped By Message Exit (268), Xmit Queue Message Error (271), Positive Action Notification (275), Negative Action Notification (276), Data Length Zero (291), Data Length Negative (292), Data Length Too Big (293), Buffer Overflow (294), Length Off By One (295), IIH Error (296), Not Authorized For IMS (298), IMS Error (300), Message Too Big For Queue (2030), Message Too Big For Queue Manager (2031), Not Authorized

(2035), Persistent Not Allowed (2048), Put Inhibited (2051), Queue Full (2053), Queue Space Not Available (2056), Message Too Big For Channel (2218), Message Flags Error (2249), Source Environment Error (2261), Source Name Error (2262), Destination Environment Error (2263), Destination Name Error (2264). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: FEEDBACK or PARM_4 (historical name), Feedback (caption), Feedback (attribute name), and PARM_4 (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

MDE Coded CCSID

The character set identifier of the data that follows the MQMDE structure. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Default (0), Embedded (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MDE_CODED_CCSD or PARM_34 (historical name), MDE Coded CCSID (caption), MDE_Coded_CCSD (attribute name), and PARM_34 (column name).

MDE Encoding

The numeric encoding of data that follows the MQMDE structure. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Native (785). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MDE_ENCODING or PARM_33 (historical name), MDE Encoding (caption), MDE_Encoding (attribute name), and PARM_33 (column name).

MDE Flags

The general flag. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MDE_FLAGS or PARM_36 (historical name), MDE Flags (caption), MDE_Flags (attribute name), and PARM_36 (column name).

MDE Message Flags

Specifies attributes of the message, or control its processing. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None; Segmentation Inhibited (0), Segmentation Allowed (1), Segment (2), Last Segment (4), Message in Group (8), Last Message in Group (16). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MDE_MESSAGE_FLAGS or PARM_40 (historical name), MDE Message Flags (caption), MDE_Message_Flags (attribute name), and PARM_40 (column name).

Message ID

The identifier that is associated with the message. The type is string.

The following names are defined for this attribute: MESSAGE_ID or MSGID (historical name), Message ID (caption), Message_ID (attribute name), and MSGID (column name).

Message Persistence

Indicates whether the message is persistent or nonpersistent. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), As In Queue Definition (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_PERSISTENCE or PARM_9 (historical name), Message Persistence (caption), Message_Persistence (attribute name), and PARM_9 (column name).

Message Tag

Cyclic redundancy check (CRC) for message descriptor (MQMD) in hexadecimal characters. The type is string.

The following names are defined for this attribute: MESSAGE_TAG or MQMD_CRC (historical name), Message Tag (caption), Message_Tag (attribute name), and MQMD_CRC (column name).

Message Type

The type of the message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Request (1), Reply (2), Report (4), Datagram (8). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_TYPE or PARM_2 (historical name), Message Type (caption), Message_Type (attribute name), and PARM_2 (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Parameter Description

The parameter name of detail for the event. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Report (1), MsgType (2), Expiry (3), Feedback (4), Encoding (5), CodedCharSetId (6), Format (7), Priority (8), Persistence (9), MsgId (10), CorrelId (11), BackoutCount (12), ReplyToQ (13), ReplyToQMgr (14), UserIdentifier (15), AccountingToken (16), ApplIdentityData (17), PutApplType (18), PutApplName (19), PutDate (20), PutTime (21), ApplOriginData (22), DLH Reason (23), DLH DestQName (24), DLH DestQMgrName (25), DLH Encoding (26), DLH CodedCharSetId (27), DLH Format (28), DLH PutApplType (29), DLH PutApplName (30), DLH PutDate (31), DLH PutTime (32), MDE Encoding (33), MDE CodedCharSetId (34), MDE Format (35), MDE Flags (36), MDE GroupId (37), MDE MsgSeqNumber (38), MDE Offset (39), MDE MsgFlags (40), MDE OriginalLength (41), XQH RemoteQName (42), XQH RemoteQMgrName (43), XQH Encoding (44), XQH CodedCharSetId (45), XQH Format (46), XQH Msgid (47), XQH CorrelId (48), XQH BackoutCount (49), XQH PutApplType (50), XQH PutApplName (51), XQH PutDate (52), XQH PutTime (53), XQH ApplOriginData (54), DH Encoding (55), DH CodedCharSetId (56), DH Format (57), DH Flags (58), DH PutMsgRecFields (59), DH RecsPresent (60), DH ObjectRecOffset (61), DH PutMsgRecOffset (62), OR ObjectName (63), OR ObjectQMgrName (64), PMR MsgId (65), PMR CorrelID (66), PMR GroupID (67), PMR Feedback (68), PMR AccountingToken (69), RMH Encoding (70), RMH CodedCharSetId (71), RMH Format (72), RMH Flags (73), RMH ObjectType (74), RMH ObjectInstanceId (75), RMH SrcEnvLength (76), RMH SrcEnvOffset (77), RMH SrcNameLength (78), RMH SrcNameOffset (79), RMH DestEnvLength (80), RMH DestEnvOffset (81), RMH DestNameLength (82), RMH DestNameOffset (83), RMH DataLogicalLength (84), RMH DataLogicalOffset (85), RMH DataLogicalOffset2 (86). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PARAMETER or PARM_NAME (historical name), Parameter Description (caption), Parameter (attribute name), and PARM_NAME (column name).

Parameter Type

The type of the parameter. The type is string.

The following names are defined for this attribute: PARAMETER_TYPE or PARM_TYPE (historical name), Parameter Type (caption), Parameter_Type (attribute name), and PARM_TYPE (column name).

Parameter Value

The value of the parameter. The type is string.

The following names are defined for this attribute: VALUE or PARM_VALUE (historical name), Parameter Value (caption), Value (attribute name), and PARM_VALUE (column name).

PMR Feedback

The PMR feedback. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), Quit (256), Message Expired (258), Confirmation Of Arrival (259), Confirmation Of Delivery (260), Channel Completed (262), Channel Fail Retry (263), Channel Fail (264), Appl Cannot Be Started (265), Trigger Message Error (266), Appl Type Error (267), Stopped By Message Exit (268), Xmit Queue Message Error (271), Positive Action Notification (275), Negative Action Notification (276), Data Length Zero (291), Data Length Negative (292), Data Length Too Big (293), Buffer Overflow (294), Length Off By One (295), IIH Error (296), Not Authorized For IMS (298), IMS Error (300), Message Too Big For Queue (2030), Message Too Big For Queue Manager (2031), Not Authorized (2035), Persistent Not Allowed (2048), Put Inhibited (2051), Queue Full (2053), Queue Space Not Available (2056), Message Too Big For Channel (2218), Message Flags Error (2249), Source Environment Error (2261), Source Name Error (2262), Destination Environment Error (2263), Destination Name Error (2264). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PMR_FEEDBACK or PARM_68 (historical name), PMR Feedback (caption), PMR_Feedback (attribute name), and PARM_68 (column name).

Put Application Type

The type of the application that put the message on the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: NoContext (0), CICS (1), MVS (2), IMS (3), OS2 (4), DOS (5), UNIX (6), QMGR (7), OS400 (8), WINDOWS (9), CICS VSE (10), WINDOWS NT (11), VMS (12), GUARDIAN (13), VOS (14), IMS BRIDGE (19), XCF (20), CICS BRIDGE (21), NOTES AGENT (22), USER (25), BROKER (26), QMGR PUBLISH (27), JAVA (28), DQM (29), CHINIT (30), WLM (31), BATCH (32), RRS BATCH (33), SIB (34), SYSTEMEXT (35), MCAST PUBLISH (36), SYSTEM (101), USER FIRST (65536), Unknown (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_APPLICATION_TYPE or PARM_18 (historical name), Put Application Type (caption), Put_Application_Type (attribute name), and PARM_18 (column name).

QMgr Name

The name that is assigned to this queue manager. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Queue Name

The name of the queue that is specified in the MQOPEN call (MQOD_ObjectName) of the application. The type is string.

The following names are defined for this attribute: QUEUE_NAME or QNAME (historical name), Queue Name (caption), Queue_Name (attribute name), and QNAME (column name).

Report

[Report] The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None; Defaults Used (0), Exception (16777216), Exception With Data (50331648), Exception With Full Data (117440512), Expiration (2097152), Expiration With Data (6291456), Expiration With Full Data (14680064), Confirm-on-Arrival (256), Confirm-on-Arrival With Data (768), Confirm-on-Arrival With Full Data (1792), Confirm-on-Delivery (2048), Confirm-on-Delivery With Data (6144), Confirm-on-Delivery With Full Data (14336), Positive

Action Notification (1), Negative Action Notification (2), Discard Message (134217728), Pass CorrelId (64), Pass MsgId (128). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: REPORT or PARM_1 (historical name), Report (caption), Report (attribute name), and PARM_1 (column name).

RMH Coded CCSID

The character set identifier of bulk data. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Default (0), Embedded (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: RMH_CODED_CCSD or PARM_71 (historical name), RMH Coded CCSID (caption), RMH_Coded_CCSD (attribute name), and PARM_71 (column name).

RMH Encoding

The numeric encoding of bulk data. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Native (785). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: RMH_ENCODING or PARM_70 (historical name), RMH Encoding (caption), RMH_Encoding (attribute name), and PARM_70 (column name).

RMH Flags

The reference message flag. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Not Last (0), Last (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: RMH_FLAGS or PARM_73 (historical name), RMH Flags (caption), RMH_Flags (attribute name), and PARM_73 (column name).

Status

The status of the open or get. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: OK (0), (KMQW000W)2001-Alias Base Q Type Error (2001), (KMQW000W)2004-Buffer Error (2004), (KMQW000W)2005-Buffer Length Error (2005), (KMQW000W)2009-Connection Broken (2009), (KMQW000W)2010-Data Length Error (2010), (KMQW000W)2011-Dynamic Q Name Error (2011), (KMQW000W)2016-Get Inhibited (2016), (KMQW000W)2017-Handle Not Available (2017), (KMQW000W)2018-Hconn Error (2018), (KMQW000W)2019-Hobj Error (2019), (KMQW000W)2024-Syncpoint Limit Reached (2024), (KMQW000W)2026-MD Error (2026), (KMQW000W)2033-No Msg Available (2033), (KMQW000W)2034-No Msg Under Cursor (2034), (KMQW000W)2035-Not Authorized (2035), (KMQW000W)2036-Not Open For Browse (2036), (KMQW000W)2037-Not Open For Input (2037), (KMQW000W)2041-Object Changed (2041), (KMQW000W)2042-Object In Use (2042), (KMQW000W)2043-Object Type Error (2043), (KMQW000W)2044-OD Error (2044), (KMQW000W)2045-Option Not Valid For Type (2045), (KMQW000W)2046-Options Error (2046), (KMQW000W)2052-Q Deleted (2052), (KMQW000W)2057-Q Type Error (2057), (KMQW000W)2058-Q Mgr Name Error (2058), (KMQW000W)2059-Q Mgr Not Available (2059), (KMQW000W)2062-Second Mark Not Allowed (2062), (KMQW000W)2063-Security Error (2063), (KMQW000W)2069-Signal Outstanding (2069), (KMQW000W)2070-Signal Request Accepted (2070), (KMQW000W)2071-Storage Not Available (2071), (KMQW000W)2079-Truncated Msg Accepted (2079), (KMQW000W)2080-Truncated Msg Failed (2080), (KMQW000W)2082-Unknown Alias Base Q (2082), (KMQW000W)2085-Unknown Object Name (2085), (KMQW000W)2086-Unknown Object Q Mgr (2086), (KMQW000W)2087-Unknown Remote Q Mgr (2087), (KMQW000W)2091-Xmit Q Type Error (2091), (KMQW000W)2092-Xmit Q Usage Error (2092), (KMQW000W)2099-Signal1 Error (2099), (KMQW000W)2100-Object Already Exists (2100), (KMQW000W)2101-Object Damaged (2101), (KMQW000W)2102-Resource Problem (2102), (KMQW000W)2109-Suppressed By Exit (2109), (KMQW000W)2110-Format Error (2110), (KMQW000W)2111-Source CCSID Error (2111), (KMQW000W)2112-Source Integer Enc Error (2112), (KMQW000W)2113-Source Decimal Enc Error (2113), (KMQW000W)2114-Source Float Enc Error (2114), (KMQW000W)2115-Target CCSID Error (2115), (KMQW000W)2116-Target Integer Enc

Error (2116), (KMQW000W)2117-Target Decimal Enc Error (2117), (KMQW000W)2118-Target Float Enc Error (2118), (KMQW000W)2119-Not Converted (2119), (KMQW000W)2120-Converted Msg Too Big (2120), (KMQW000W)2130-Adapter Serv Load Error (2130), (KMQW000W)2133-Adapter Conv Load Error (2133), (KMQW000W)2136-Multiple Reasons (2136), (KMQW000W)2140-CICS Wait Failed (2140), (KMQW000W)2152-Object Name Error (2152), (KMQW000W)2153-Object Q Mgr Name Error (2153), (KMQW000W)2154-Recs Present Error (2154), (KMQW000W)2155-Object Records Error (2155), (KMQW000W)2156-Response Records Error (2156), (KMQW000W)2157-ASID Mismatch (2157), (KMQW000W)2161-Q Mgr Quiescing (2161), (KMQW000W)2162-Q Mgr Stopping (2162), (KMQW000W)2183-API Exit Load Error (2183), (KMQW000W)2184-Remote Q Name Error (2184), (KMQW000W)2186-GMO Error (2186), (KMQW000W)2192-Pageset Full (2192), (KMQW000W)2193-Pageset Error (2193), (KMQW000W)2194-Name Not Valid For Type (2194), (KMQW000W)2195-Unexpected Error (2195), (KMQW000W)2196-Unknown Xmit Q (2196), (KMQW000W)2197-Unknown Def Xmit Q (2197), (KMQW000W)2198-Def Xmit Q Type Error (2198), (KMQW000W)2199-Def Xmit Q Usage Error (2199), (KMQW000W)2201-Name In Use (2201), (KMQW000W)2202-Connection Quiescing (2202), (KMQW000W)2203-Connection Stopping (2203), (KMQW000W)2204-Adapter Not Available (2204), (KMQW000W)2209-No Msg Locked (2209), (KMQW000W)2217-Connection Not Authorized (2217), (KMQW000W)2219-Call In Progress (2219), (KMQW000W)2241-Incomplete Group (2241), (KMQW000W)2242-Incomplete Msg (2242), (KMQW000W)2243-Inconsistent CCSIDs (2243), (KMQW000W)2244-Inconsistent Encodings (2244), (KMQW000W)2245-Inconsistent UOW (2245), (KMQW000W)2246-Invalid Msg Under Cursor (2246), (KMQW000W)2247-Match Options Error (2247), (KMQW000W)2255-UOW Not Available (2255), (KMQW000W)2256-Wrong GMO Version (2256), (KMQW000W)2257-Wrong MD Version (2257), (KMQW000W)2259-Inconsistent Browse (2259), (KMQW002E)Unsupported CCSID Found (9002), (KMQW008E)Not Allowed By MSGACCESS (9008), (KMQW009E)Agent Timeout Occurred (9009). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_STATUS or STATUS (historical name), Status (caption), Browse_Status (attribute name), and STATUS (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

XQH Coded CCSID

The character set identifier of the data that follows the MQXQH structure. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Default (0), Embedded (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: XQH_CODED_CCSD or PARM_45 (historical name), XQH Coded CCSID (caption), XQH_Coded_CCSD (attribute name), and PARM_45 (column name).

XQH Encoding

The numeric encoding of the data that follows the MQXQH structure. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Native (785). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: XQH_ENCODING or PARM_44 (historical name), XQH Encoding (caption), XQH_Encoding (attribute name), and PARM_44 (column name).

XQH Put Application Type

The type of application that put the message on the transmission queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: NoContext (0), CICS (1), MVS (2), IMS (3), OS2 (4), DOS (5), UNIX (6), QMGR (7), OS400 (8), WINDOWS (9), CICS VSE (10), WINDOWS NT (11), VMS (12), GUARDIAN (13), VOS (14), IMS BRIDGE (19), XCF (20), CICS BRIDGE (21), NOTES AGENT (22), USER (25), BROKER (26), QMGR PUBLISH (27), JAVA (28), DQM (29), CHINIT (30), WLM (31), BATCH (32), RRS BATCH (33), SIB (34),

SYSTEMEXT (35), MCAST PUBLISH (36), SYSTEM (101), USER FIRST (65536), Unknown (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: XQH_PUT_APPLICATION_TYPE or PARM_50 (historical name), XQH Put Application Type (caption), XQH_Put_Application_Type (attribute name), and PARM_50 (column name).

Message Statistics data set

The Message Statistics attributes provide information about the message statistics for a particular queue of interest. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

% Delayed

The percentage of Total Messages that are Delayed Messages. The type is real number (32-bit gauge) with one decimal places of precision.

The following names are defined for this attribute: DELAYED_PERCENT or PCTDELAY (historical name), % Delayed (caption), Delayed_Percent (attribute name), and PCTDELAY (column name).

Authorization Userid

The user ID of the user that issues the MQ request. The type is string.

The following names are defined for this attribute: AUTHORIZATION_USERID or USERID (historical name), Authorization Userid (caption), Authorization_Userid (attribute name), and USERID (column name).

Average Msg(SeCS)

The average number of seconds (with two decimal places) that messages matching the Message Group Identifier are on the queue. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: Over 248 Days (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: AVERAGE_MESSAGE_SECONDS or MSGAVG (historical name), Average Msg(SeCS) (caption), Average_Message_Seconds (attribute name), and MSGAVG (column name).

Delayed Messages

The count of messages matching the Message Group Identifier for which the current date and time minus the message put date and time exceeds the Latency Threshold value. The type is integer (32-bit gauge).

The following names are defined for this attribute: DELAYED_MESSAGES or MSGDELAY (historical name), Delayed Messages (caption), Delayed_Messages (attribute name), and MSGDELAY (column name).

Grouping Mechanism

An enumerated value that indicates how to ascertain the Message Group Identifier. This can be given in queries to the attribute group to tell the monitoring agent how to group the messages in the queue. The grouping mechanism can be Correlation ID, Application Name, Group ID, or Queue. Queue is the default, which results in one row being returned giving the message statistics for the whole queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Queue (0), Correlation ID (1), Application Name (2), Group ID (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `GROUPING_MECHANISM` or `GROUPMECH` (historical name), Grouping Mechanism (caption), `Grouping_Mechanism` (attribute name), and `GROUPMECH` (column name).

High Priority Msg(Secs)

The number of seconds (with two decimal places) that the highest priority message that matches the Message Group Identifier is on the queue (note that if there is more than one of the highest priority, the oldest such message is used for this time value). The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: Over 248 Days (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `HIGHEST_PRIORITY_MESSAGE_SECONDS` or `MSGHIGH` (historical name), High Priority Msg(Secs) (caption), `Highest_Priority_Message_Seconds` (attribute name), and `MSGHIGH` (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: `HOST_NAME` (historical name), Host Name (caption), `Host_Name` (attribute name), and `HOST_NAME` (column name).

Largest Msg Size

The size of the largest message on the queue. The message size is a return attribute when messages are browsed for other data. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `LARGEST_MESSAGE_SIZE` or `MSGLARGE` (historical name), Largest Msg Size (caption), `Largest_Message_Size` (attribute name), and `MSGLARGE` (column name).

Latency Threshold

The number of seconds (with two decimal places) that a message can exist on the queue before it is determined to be delayed on the queue. This can be given in queries to the attribute group to tell the monitoring agent how to calculate Delayed Messages. The default is either the threshold given for a greater-than comparison to the Oldest Message Time attribute when available in the query, or if not available, a value of 120 seconds. The type is real number (32-bit numeric property) with two decimal places of precision.

The following names are defined for this attribute: `LATENCY_THRESHOLD_SECONDS` or `LATENCY` (historical name), Latency Threshold (caption), `Latency_Threshold_Seconds` (attribute name), and `LATENCY` (column name).

Message Group Identifier

A character string that identifies how messages are grouped; this can be the correlation ID, put application name, or group ID from the MQMD. This identifier is blank when the default grouping mechanism of Queue is used. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `MESSAGE_GROUP_IDENTIFIER` or `GROUPID` (historical name), Message Group Identifier (caption), `Message_Group_Identifier` (attribute name), and `GROUPID` (column name).

Message Group Identifier(Hex)

A hexadecimal character representation of the Message Group Identifier. The type is string.

The following names are defined for this attribute: `MESSAGE_GROUP_IDENTIFIER_HEX` or `GROUPIDHEX` (historical name), Message Group Identifier(Hex) (caption), `Message_Group_Identifier_Hex` (attribute name), and `GROUPIDHEX` (column name).

Newest Msg(Secs)

The number of seconds (with two decimal places) that the newest, most recent message matching

the Message Group Identifier has been on the queue. The type is real number (32-bit numeric property) with two decimal places of precision with enumerated values. The following values are defined: Over 248 Days (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `NEWEST_MESSAGE_SECONDS` or `MSGNEW` (historical name), `Newest Msg(Secs)` (caption), `Newest_Message_Seconds` (attribute name), and `MSGNEW` (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `NODE` (historical name), `Node` (caption), `ORIGINNODE` (attribute name), and `ORIGINNODE` (column name).

Oldest Msg(Secs)

The number of seconds (with two decimal places) that the oldest (or most delayed) message matching the Message Group Identifier has been on the queue. The type is real number (32-bit numeric property) with two decimal places of precision with enumerated values. The following values are defined: Over 248 Days (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `OLDEST_MESSAGE_SECONDS` or `MSGOLD` (historical name), `Oldest Msg(Secs)` (caption), `Oldest_Message_Seconds` (attribute name), and `MSGOLD` (column name).

Priority 0 Messages

The count of messages that match the Message Group Identifier for which the message priority given in the MQMD is 0. The type is integer (32-bit gauge).

The following names are defined for this attribute: `PRIORITY_0_MESSAGES` or `MSGPRI0` (historical name), `Priority 0 Messages` (caption), `Priority_0_Messages` (attribute name), and `MSGPRI0` (column name).

Priority 1 Messages

The count of messages that match the Message Group Identifier for which the message priority given in the MQMD is 1. The type is integer (32-bit gauge).

The following names are defined for this attribute: `PRIORITY_1_MESSAGES` or `MSGPRI1` (historical name), `Priority 1 Messages` (caption), `Priority_1_Messages` (attribute name), and `MSGPRI1` (column name).

Priority 2 Messages

The count of messages that match the Message Group Identifier for which the message priority given in the MQMD is 2. The type is integer (32-bit gauge).

The following names are defined for this attribute: `PRIORITY_2_MESSAGES` or `MSGPRI2` (historical name), `Priority 2 Messages` (caption), `Priority_2_Messages` (attribute name), and `MSGPRI2` (column name).

Priority 3 Messages

The count of messages that match the Message Group Identifier for which the message priority given in the MQMD is 3. The type is integer (32-bit gauge).

The following names are defined for this attribute: `PRIORITY_3_MESSAGES` or `MSGPRI3` (historical name), `Priority 3 Messages` (caption), `Priority_3_Messages` (attribute name), and `MSGPRI3` (column name).

Priority 4 Messages

The count of messages that match the Message Group Identifier for which the message priority given in the MQMD is 4. The type is integer (32-bit gauge).

The following names are defined for this attribute: PRIORITY_4_MESSAGES or MSGPRI4 (historical name), Priority 4 Messages (caption), Priority_4_Messages (attribute name), and MSGPRI4 (column name).

Priority 5 Messages

The count of messages that match the Message Group Identifier for which the message priority given in the MQMD is 5. The type is integer (32-bit gauge).

The following names are defined for this attribute: PRIORITY_5_MESSAGES or MSGPRI5 (historical name), Priority 5 Messages (caption), Priority_5_Messages (attribute name), and MSGPRI5 (column name).

Priority 6 Messages

The count of messages that match the Message Group Identifier for which the message priority given in the MQMD is 6. The type is integer (32-bit gauge).

The following names are defined for this attribute: PRIORITY_6_MESSAGES or MSGPRI6 (historical name), Priority 6 Messages (caption), Priority_6_Messages (attribute name), and MSGPRI6 (column name).

Priority 7 Messages

The count of messages that match the Message Group Identifier for which the message priority given in the MQMD is 7. The type is integer (32-bit gauge).

The following names are defined for this attribute: PRIORITY_7_MESSAGES or MSGPRI7 (historical name), Priority 7 Messages (caption), Priority_7_Messages (attribute name), and MSGPRI7 (column name).

Priority 8 Messages

The count of messages that match the Message Group Identifier for which the message priority given in the MQMD is 8. The type is integer (32-bit gauge).

The following names are defined for this attribute: PRIORITY_8_MESSAGES or MSGPRI8 (historical name), Priority 8 Messages (caption), Priority_8_Messages (attribute name), and MSGPRI8 (column name).

Priority 9 Messages

The count of messages that match the Message Group Identifier for which the message priority given in the MQMD is 9. The type is integer (32-bit gauge).

The following names are defined for this attribute: PRIORITY_9_MESSAGES or MSGPRI9 (historical name), Priority 9 Messages (caption), Priority_9_Messages (attribute name), and MSGPRI9 (column name).

QMgr Name

The name that is assigned to this queue manager. The valid format is an alphanumeric string of up to 48 case-sensitive characters. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Queue Name

The name of a queue that is managed by the selected queue manager. This attribute is required to be given in queries to this attribute group. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: QUEUE_NAME or QNAME (historical name), Queue Name (caption), Queue_Name (attribute name), and QNAME (column name).

Request Type

One of the following request types: Current or Recent History. Current = 0 and Recent_History =

1. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Current (0), Recent History (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: REQUEST_TYPE or REQTYPE (historical name), Request Type (caption), Request_Type (attribute name), and REQTYPE (column name).

Sample Date & Time

The date and time of the sample. The type is timestamp.

The following names are defined for this attribute: SAMPLE_DATE_AND_TIME or SDATE_TIME (historical name), Sample Date & Time (caption), Sample_Date_and_Time (attribute name), and SDATE_TIME (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Total Messages

The count of messages that are browsed that match the Message Group Identifier on the queue during the collection sample. The type is integer (32-bit gauge).

The following names are defined for this attribute: TOTAL_MESSAGES or MSGTOTAL (historical name), Total Messages (caption), Total_Messages (attribute name), and MSGTOTAL (column name).

Message Summary data set

The Message Summary attributes provide the backout count (which if high can indicate a problem), the correlation and message IDs, the message expiration time, the message length, message type (which can be request, reply, report, or datagram), persistence (which indicates whether the message is recoverable), priority (which can be used for selective retrieval), date and time the message was created, and the reply-to queue and queue manager names. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Accounting Token

The accounting token of the message. The type is string.

The following names are defined for this attribute: ACCOUNTING_TOKEN or ACCOUNTING (historical name), Accounting Token (caption), Accounting_Token (attribute name), and ACCOUNTING (column name).

Appl ID

The application name of the application that put the message on the queue. The type is string.

The following names are defined for this attribute: APPLICATION_NAME or APPLNAME (historical name), Appl ID (caption), Application_Name (attribute name), and APPLNAME (column name).

Appl Origin

The application origin data of the message. The type is string.

The following names are defined for this attribute: APPLICATION_ORIGIN or APPLORDATA (historical name), Appl Origin (caption), Application_Origin (attribute name), and APPLORDATA (column name).

Appl Type

The application type of the application that put the message on the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (-1), NoContext (0), CICS (1), MVS (2), IMS (3), OS2 (4), DOS (5), UNIX (6), QMGR (7), OS400 (8), WINDOWS (9), CICS VSE (10), WINDOWS NT (11), VMS (12), GUARDIAN (13), VOS (14), IMS BRIDGE (19), XCF (20), CICS BRIDGE (21), NOTES AGENT (22), USER (25), BROKER (26), QMGR PUBLISH (27), JAVA (28), DQM (29), CHINIT (30), WLM (31), BATCH (32), RRS BATCH (33), SIB (34), SYSTEMEXT (35), MCAST PUBLISH (36), SYSTEM (101), USER (65536). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: APPLICATION_TYPE or APPLTYPE (historical name), Appl Type (caption), Application_Type (attribute name), and APPLTYPE (column name).

Application Identity Data

The application identity data of the message. The type is string.

The following names are defined for this attribute: APPLICATION_IDENTITY_DATA or APPLIDDATA (historical name), Application Identity Data (caption), Application_Identity_Data (attribute name), and APPLIDDATA (column name).

Backout Count

The backout count of the message. A high value might indicate a problem. The type is integer (32-bit numeric property).

The following names are defined for this attribute: BACKOUT_COUNT or BACKOUTCNT (historical name), Backout Count (caption), Backout_Count (attribute name), and BACKOUTCNT (column name).

CMW Password

The password of the user on CMW. The type is string.

The following names are defined for this attribute: CMW_PASSWORD or CMWPWD (historical name), CMW Password (caption), CMW_Password (attribute name), and CMWPWD (column name).

CMW Userid

The user ID of the user on CMW. The type is string.

The following names are defined for this attribute: CMW_USERID or CMWUID (historical name), CMW Userid (caption), CMW_Userid (attribute name), and CMWUID (column name).

Coded CharSetID

The coded character set identifier, CCSID, of the message. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CHARACTER_SET_ID or CHARSET (historical name), Coded CharSetID (caption), Character_Set_ID (attribute name), and CHARSET (column name).

Correlation ID

The correlation identifier of the message, in hexadecimal character format. The type is string.

The following names are defined for this attribute: CORRELATION_ID or CORRELID (historical name), Correlation ID (caption), Correlation_ID (attribute name), and CORRELID (column name).

Correlation ID(Char)

The correlation identifier of the message. The type is string.

The following names are defined for this attribute: CHARACTER_CORRELATION_ID or CHCORRELID (historical name), Correlation ID(Char) (caption), Character_Correlation_ID (attribute name), and CHCORRELID (column name).

Dest. QMgr

The destination queue manager of the message. The type is string.

The following names are defined for this attribute: DESTINATION_MQ_MANAGER_NAME or DEST_QMGR (historical name), Dest. QMgr (caption), Destination_MQ_Manager_Name (attribute name), and DEST_QMGR (column name).

Dest. Queue

The destination queue of the message. The type is string.

The following names are defined for this attribute: DESTINATION_QUEUE_NAME or DEST_QNAME (historical name), Dest. Queue (caption), Destination_Queue_Name (attribute name), and DEST_QNAME (column name).

DLQ Appl ID

The application name of the application that put the message on the dead-letter queue. The type is string.

The following names are defined for this attribute: DLQ_APPLICATION_NAME or DLQ_APNAME (historical name), DLQ Appl ID (caption), DLQ_Application_Name (attribute name), and DLQ_APNAME (column name).

DLQ Appl Type

The application type of the application that put the message on the dead-letter queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (-1), NoContext (0), CICS (1), MVS (2), IMS (3), OS2 (4), DOS (5), UNIX (6), QMGR (7), OS400 (8), WINDOWS (9), CICS VSE (10), WINDOWS NT (11), VMS (12), GUARDIAN (13), VOS (14), IMS BRIDGE (19), XCF (20), CICS BRIDGE (21), NOTES AGENT (22), USER (25), BROKER (26), QMGR PUBLISH (27), JAVA (28), DQM (29), CHINIT (30), WLM (31), BATCH (32), RRS BATCH (33), SIB (34), SYSTEMEXT (35), MCAST PUBLISH (36), SYSTEM (101), USER FIRST (65536). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DLQ_APPLICATION_TYPE or DLQ_APTYPE (historical name), DLQ Appl Type (caption), DLQ_Application_Type (attribute name), and DLQ_APTYPE (column name).

DLQ Put Date & Time

The date and time the message is put on the dead-letter queue. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DLQ_PUT_DATE_AND_TIME or DLQ_DT_TIM (historical name), DLQ Put Date & Time (caption), DLQ_Put_Date_and_Time (attribute name), and DLQ_DT_TIM (column name).

Encoding

The encoding value of the message comparing with Origin Encoding. The type is integer (32-bit numeric property).

The following names are defined for this attribute: ENCODING (historical name), Encoding (caption), Encoding (attribute name), and ENCODING (column name).

Expire (Secs)

The expiration of the message, in seconds. The type is real number (32-bit numeric property) with one decimal places of precision with enumerated values. The following values are defined: Unlimited (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EXPIRATION (historical name), Expire (Secs) (caption), Expiration (attribute name), and EXPIRATION (column name).

Feedback Code

The feedback code of the message. The type is integer (32-bit numeric property).

The following names are defined for this attribute: FEEDBACK_CODE or FEEDBACK (historical name), Feedback Code (caption), Feedback_Code (attribute name), and FEEDBACK (column name).

Format Name

The format name of the message. The type is string.

The following names are defined for this attribute: `FORMAT_NAME` or `FORMAT` (historical name), `Format Name` (caption), `Format_Name` (attribute name), and `FORMAT` (column name).

Group ID

The group identifier for segmented or group messages. The valid format is an alphanumeric string of up to 48 characters. The type is string.

The following names are defined for this attribute: `GROUP_ID` or `GROUPLD` (historical name), `Group ID` (caption), `Group_ID` (attribute name), and `GROUPLD` (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: `HOST_NAME` (historical name), `Host Name` (caption), `Host_Name` (attribute name), and `HOST_NAME` (column name).

Message ID

The message identifier of the message. The type is string.

The following names are defined for this attribute: `MESSAGE_ID` or `MSGID` (historical name), `Message ID` (caption), `Message_ID` (attribute name), and `MSGID` (column name).

Message Tag

Cyclic redundancy check (CRC) for message descriptor (MQMD) in hexadecimal characters. The type is string.

The following names are defined for this attribute: `MESSAGE_TAG` or `MQMD_CRC` (historical name), `Message Tag` (caption), `Message_Tag` (attribute name), and `MQMD_CRC` (column name).

Msg Length

The length of the message. The valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `MESSAGE_LENGTH` or `LENGTH` (historical name), `Msg Length` (caption), `Message_Length` (attribute name), and `LENGTH` (column name).

Msg Type

The message type (can be request, reply, report, or datagram). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Request (1), Reply (2), Report (4), Datagram (8), Appl (65536). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `MESSAGE_TYPE` or `TYPE` (historical name), `Msg Type` (caption), `Message_Type` (attribute name), and `TYPE` (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `NODE` (historical name), `Node` (caption), `ORIGINNODE` (attribute name), and `ORIGINNODE` (column name).

Origin CharSetID

The coded character set identifier, CCSID, of the original message. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `DLQ_CHARACTER_SET_ID` or `DLQ_CHARS` (historical name), `Origin CharSetID` (caption), `DLQ_Character_Set_ID` (attribute name), and `DLQ_CHARS` (column name).

Origin Encoding

The encoding value of the original message. The type is integer (32-bit numeric property).

The following names are defined for this attribute: DLQ_ENCODING or DLQ_ENCODE (historical name), Origin Encoding (caption), DLQ_Encoding (attribute name), and DLQ_ENCODE (column name).

Origin Format

The format name of the original message. The type is string.

The following names are defined for this attribute: DLQ_FORMAT_NAME or DLQ_FORMAT (historical name), Origin Format (caption), DLQ_Format_Name (attribute name), and DLQ_FORMAT (column name).

Persistence

Indicates whether the message is persistent. This indicates whether the message is recoverable. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PERSISTENCE or PERSIST (historical name), Persistence (caption), Persistence (attribute name), and PERSIST (column name).

Priority

The priority of the message. The type is integer (32-bit numeric property).

The following names are defined for this attribute: PRIORITY (historical name), Priority (caption), Priority (attribute name), and PRIORITY (column name).

Put Date & Time

The date and time that the message is put on the queue. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_DATE_AND_TIME or PUT_DT_TIM (historical name), Put Date & Time (caption), Put_Date_and_Time (attribute name), and PUT_DT_TIM (column name).

QMgr Name

The name that is assigned to this queue manager. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Queue Name

The name of the queue that is specified in the MQOPEN call (MQOD_ObjectName) of the application. The type is string.

The following names are defined for this attribute: QUEUE_NAME or QNAME (historical name), Queue Name (caption), Queue_Name (attribute name), and QNAME (column name).

Reason Code

The reason code for the message. This indicates why the message is undeliverable. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), (KMQW000W)1-System First (1), (KMQW000W)256-Quit (256), (KMQW000W)258-Expiration (258), (KMQW000W)259-Coa (259), (KMQW000W)260-Cod (260), (KMQW000W)262-Channel Completed (262), (KMQW000W)263-Channel Fail Retry (263), (KMQW000W)264-Channel Fail (264), (KMQW000W)265-Appl Cannot Be Started (265), (KMQW000W)266-Trigger Msg Error (266), (KMQW000W)267-Appl Type Error (267), (KMQW000W)268-Stopped By Msg Exit (268), (KMQW000W)269-Activity (269), (KMQW000W)271-Xmit Q Msg Error (271), (KMQW000W)275-Pan (275), (KMQW000W)276-Nan (276), (KMQW000W)277-Stopped By Chad Exit (277), (KMQW000W)279-Stopped By Pubsub Exit (279), (KMQW000W)280-Not A Repository Msg (280), (KMQW000W)281-Bind Open Clusrcvr Del (281), (KMQW000W)282-Max Activities (282), (KMQW000W)283-Not Forwarded (283), (KMQW000W)284-Not Delivered (284),

(KMQW000W)285-Unsupported Forwarding (285), (KMQW000W)286-Unsupported Delivery (286), (KMQW000W)291-Data Length Zero (291), (KMQW000W)292-Data Length Negative (292), (KMQW000W)293-Data Length Too Big (293), (KMQW000W)294-Buffer Overflow (294), (KMQW000W)295-Length Off By One (295), (KMQW000W)296-Iih Error (296), (KMQW000W)298-Not Authorized For Ims (298), (KMQW000W)300-Ims Error (300), (KMQW000W)301-Ims First (301), (KMQW000W)399-Ims Last (399), (KMQW000W)401-Cics Internal Error (401), (KMQW000W)402-Cics Not Authorized (402), (KMQW000W)403-Cics Bridge Failure (403), (KMQW000W)404-Cics Correl Id Error (404), (KMQW000W)405-Cics Ccsid Error (405), (KMQW000W)406-Cics Encoding Error (406), (KMQW000W)407-Cics Cih Error (407), (KMQW000W)408-Cics Uow Error (408), (KMQW000W)409-Cics Commarea Error (409), (KMQW000W)410-Cics Appl Not Started (410), (KMQW000W)411-Cics Appl Abended (411), (KMQW000W)412-Cics Dlq Error (412), (KMQW000W)413-Cics Uow Backed Out (413), (KMQW000W)900-Mqrc Appl First (900), (KMQW000W)999-Mqrc Appl Last (999), (KMQW000W)2001-Alias Base Q Type Error (2001), (KMQW000W)2002-Already Connected (2002), (KMQW000W)2003-Backed Out (2003), (KMQW000W)2004-Buffer Error (2004), (KMQW000W)2005-Buffer Length Error (2005), (KMQW000W)2006-Char Attr Length Error (2006), (KMQW000W)2007-Char Attrs Error (2007), (KMQW000W)2008-Char Attrs Too Short (2008), (KMQW000W)2009-Connection Broken (2009), (KMQW000W)2010-Data Length Error (2010), (KMQW000W)2011-Dynamic Q Name Error (2011), (KMQW000W)2012-Environment Error (2012), (KMQW000W)2013-Expiry Error (2013), (KMQW000W)2014-Feedback Error (2014), (KMQW000W)2016-Get Inhibited (2016), (KMQW000W)2017-Handle Not Available (2017), (KMQW000W)2018-Hconn Error (2018), (KMQW000W)2019-Hobj Error (2019), (KMQW000W)2020-Inhibit Value Error (2020), (KMQW000W)2021-Int Attr Count Error (2021), (KMQW000W)2022-Int Attr Count Too Small (2022), (KMQW000W)2023-Int Attrs Array Error (2023), (KMQW000W)2024-Syncpoint Limit Reached (2024), (KMQW000W)2025-Max Conns Limit Reached (2025), (KMQW000W)2026-Md Error (2026), (KMQW000W)2027-Missing Reply To Q (2027), (KMQW000W)2029-Msg Type Error (2029), (KMQW000W)2030-Msg Too Big For Q (2030), (KMQW000W)2031-Msg Too Big For Q Mgr (2031), (KMQW000W)2033-No Msg Available (2033), (KMQW000W)2034-No Msg Under Cursor (2034), (KMQW000W)2035-Not Authorized (2035), (KMQW000W)2036-Not Open For Browse (2036), (KMQW000W)2037-Not Open For Input (2037), (KMQW000W)2038-Not Open For Inquire (2038), (KMQW000W)2039-Not Open For Output (2039), (KMQW000W)2040-Not Open For Set (2040), (KMQW000W)2041-Object Changed (2041), (KMQW000W)2042-Object In Use (2042), (KMQW000W)2043-Object Type Error (2043), (KMQW000W)2044-Od Error (2044), (KMQW000W)2045-Option Not Valid For Type (2045), (KMQW000W)2046-Options Error (2046), (KMQW000W)2047-Persistence Error (2047), (KMQW000W)2048-Persistent Not Allowed (2048), (KMQW000W)2049-Priority Exceeds Maximum (2049), (KMQW000W)2050-Priority Error (2050), (KMQW000W)2051-Put Inhibited (2051), (KMQW000W)2052-Q Deleted (2052), (KMQW000W)2053-Q Full (2053), (KMQW000W)2055-Q Not Empty (2055), (KMQW000W)2056-Q Space Not Available (2056), (KMQW000W)2057-Q Type Error (2057), (KMQW000W)2058-Q Mgr Name Error (2058), (KMQW000W)2059-Q Mgr Not Available (2059), (KMQW000W)2061-Report Options Error (2061), (KMQW000W)2062-Second Mark Not Allowed (2062), (KMQW000W)2063-Security Error (2063), (KMQW000W)2065-Selector Count Error (2065), (KMQW000W)2066-Selector Limit Exceeded (2066), (KMQW000W)2067-Selector Error (2067), (KMQW000W)2068-Selector Not For Type (2068), (KMQW000W)2069-Signal Outstanding (2069), (KMQW000W)2070-Signal Request Accepted (2070), (KMQW000W)2071-Storage Not Available (2071), (KMQW000W)2072-Syncpoint Not Available (2072), (KMQW000W)2075-Trigger Control Error (2075), (KMQW000W)2076-Trigger Depth Error (2076), (KMQW000W)2077-Trigger Msg Priority Err (2077), (KMQW000W)2078-Trigger Type Error (2078), (KMQW000W)2079-Truncated Msg Accepted (2079), (KMQW000W)2080-Truncated Msg Failed (2080), (KMQW000W)2082-Unknown Alias Base Q (2082), (KMQW000W)2085-Unknown Object Name (2085), (KMQW000W)2086-Unknown Object Q Mgr (2086), (KMQW000W)2087-Unknown Remote Q Mgr (2087), (KMQW000W)2090-Wait Interval Error (2090), (KMQW000W)2091-Xmit Q Type Error (2091), (KMQW000W)2092-Xmit Q Usage Error (2092), (KMQW000W)2093-Not Open For Pass All (2093), (KMQW000W)2094-Not Open For Pass Ident (2094), (KMQW000W)2095-Not Open For Set All (2095), (KMQW000W)2096-Not Open For Set Ident (2096), (KMQW000W)2097-Context Handle Error (2097), (KMQW000W)2098-Context Not Available (2098),

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The following names are defined for this attribute: DLQ_REASON (historical name), Reason Code (caption), DLQ_Reason (attribute name), and DLQ_REASON (column name).

Reply to QMgr

The name of the reply-to queue manager. The type is string.

The following names are defined for this attribute: REPLY_TO_MQ_MANAGER_NAME or REPLYTOMGR (historical name), Reply to QMgr (caption), Reply_To_MQ_Manager_Name (attribute name), and REPLYTOMGR (column name).

Reply to Queue

The name of the reply-to queue. The type is string.

The following names are defined for this attribute: REPLY_TO_QUEUE_NAME or REPLYTOQ (historical name), Reply to Queue (caption), Reply_To_Queue_Name (attribute name), and REPLYTOQ (column name).

Report Options

The report options. The type is integer (32-bit numeric property).

The following names are defined for this attribute: REPORT_OPTIONS or REPORT_OPT (historical name), Report Options (caption), Report_Options (attribute name), and REPORT_OPT (column name).

Segmented or Group Message

Indicates whether the message is a Segmented or Group message, or both. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Segment (1), Group (2), Group Segment (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SEGMENTED_OR_GROUP_MESSAGE or SEGMENT (historical name), Segmented or Group Message (caption), Segmented_or_Group_Message (attribute name), and SEGMENT (column name).

Status The status of the open or get. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: OK (0), (KMQW000W)2001-Alias Base Q Type Error (2001), (KMQW000W)2004-Buffer Error (2004), (KMQW000W)2005-Buffer Length Error (2005), (KMQW000W)2009-Connection Broken (2009), (KMQW000W)2010-Data Length Error (2010), (KMQW000W)2011-Dynamic Q Name Error (2011), (KMQW000W)2016-Get Inhibited (2016), (KMQW000W)2017-Handle Not Available (2017), (KMQW000W)2018-Hconn Error (2018), (KMQW000W)2019-Hobj Error (2019), (KMQW000W)2024-Syncpoint Limit Reached (2024), (KMQW000W)2026-MD Error (2026), (KMQW000W)2033-No Msg Available (2033), (KMQW000W)2034-No Msg Under Cursor (2034), (KMQW000W)2035-Not Authorized (2035), (KMQW000W)2036-Not Open For Browse (2036), (KMQW000W)2037-Not Open For Input (2037), (KMQW000W)2041-Object Changed (2041), (KMQW000W)2042-Object In Use (2042), (KMQW000W)2043-Object Type Error (2043), (KMQW000W)2044-OD Error (2044), (KMQW000W)2045-Option Not Valid For Type (2045), (KMQW000W)2046-Options Error (2046), (KMQW000W)2052-Q Deleted (2052), (KMQW000W)2057-Q Type Error (2057), (KMQW000W)2058-Q Mgr Name Error (2058), (KMQW000W)2059-Q Mgr Not Available (2059), (KMQW000W)2062-Second Mark Not Allowed (2062), (KMQW000W)2063-Security Error (2063), (KMQW000W)2069-Signal Outstanding (2069), (KMQW000W)2070-Signal Request Accepted (2070), (KMQW000W)2071-Storage Not Available (2071), (KMQW000W)2079-Truncated Msg Accepted (2079), (KMQW000W)2080-Truncated Msg Failed (2080), (KMQW000W)2082-Unknown Alias Base Q (2082), (KMQW000W)2085-Unknown Object Name (2085), (KMQW000W)2086-Unknown Object Q Mgr (2086), (KMQW000W)2087-Unknown Remote Q Mgr (2087), (KMQW000W)2091-Xmit Q Type Error (2091), (KMQW000W)2092-Xmit Q Usage Error (2092), (KMQW000W)2099-Signal1 Error (2099), (KMQW000W)2100-Object Already Exists (2100), (KMQW000W)2101-Object Damaged (2101), (KMQW000W)2102-Resource Problem (2102), (KMQW000W)2109-Suppressed By Exit (2109), (KMQW000W)2110-Format Error (2110), (KMQW000W)2111-Source CCSID Error (2111), (KMQW000W)2112-Source Integer Enc Error (2112), (KMQW000W)2113-Source Decimal Enc Error (2113), (KMQW000W)2114-Source Float Enc Error (2114), (KMQW000W)2115-Target CCSID Error (2115), (KMQW000W)2116-Target Integer Enc Error (2116), (KMQW000W)2117-Target Decimal Enc Error (2117), (KMQW000W)2118-Target Float Enc Error (2118), (KMQW000W)2119-Not Converted (2119), (KMQW000W)2120-Converted Msg Too Big (2120), (KMQW000W)2130-Adapter Serv Load Error (2130), (KMQW000W)2133-Adapter

Conv Load Error (2133), (KMQW000W)2136-Multiple Reasons (2136), (KMQW000W)2140-CICS Wait Failed (2140), (KMQW000W)2152-Object Name Error (2152), (KMQW000W)2153-Object Q Mgr Name Error (2153), (KMQW000W)2154-Recs Present Error (2154), (KMQW000W)2155-Object Records Error (2155), (KMQW000W)2156-Response Records Error (2156), (KMQW000W)2157-ASID Mismatch (2157), (KMQW000W)2161-Q Mgr Quiescing (2161), (KMQW000W)2162-Q Mgr Stopping (2162), (KMQW000W)2183-API Exit Load Error (2183), (KMQW000W)2184-Remote Q Name Error (2184), (KMQW000W)2186-GMO Error (2186), (KMQW000W)2192-Pageset Full (2192), (KMQW000W)2193-Pageset Error (2193), (KMQW000W)2194-Name Not Valid For Type (2194), (KMQW000W)2195-Unexpected Error (2195), (KMQW000W)2196-Unknown Xmit Q (2196), (KMQW000W)2197-Unknown Def Xmit Q (2197), (KMQW000W)2198-Def Xmit Q Type Error (2198), (KMQW000W)2199-Def Xmit Q Usage Error (2199), (KMQW000W)2201-Name In Use (2201), (KMQW000W)2202-Connection Quiescing (2202), (KMQW000W)2203-Connection Stopping (2203), (KMQW000W)2204-Adapter Not Available (2204), (KMQW000W)2209-No Msg Locked (2209), (KMQW000W)2217-Connection Not Authorized (2217), (KMQW000W)2219-Call In Progress (2219), (KMQW000W)2241-Incomplete Group (2241), (KMQW000W)2242-Incomplete Msg (2242), (KMQW000W)2243-Inconsistent CCSIDs (2243), (KMQW000W)2244-Inconsistent Encodings (2244), (KMQW000W)2245-Inconsistent UOW (2245), (KMQW000W)2246-Invalid Msg Under Cursor (2246), (KMQW000W)2247-Match Options Error (2247), (KMQW000W)2255-UOW Not Available (2255), (KMQW000W)2256-Wrong GMO Version (2256), (KMQW000W)2257-Wrong MD Version (2257), (KMQW000W)2259-Inconsistent Browse (2259), (KMQW002E)Unsupported CCSID Found (9002), (KMQW005E)Insufficient Storage (9005), (KMQW008E)Not Allowed By MSGACCESS (9008), (KMQW009E)Agent Timeout Occurred (9009). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_STATUS or STATUS (historical name), Status (caption), Browse_Status (attribute name), and STATUS (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

User Identifier

The user identifier that is used for MQ requests that must be authenticated to the terminal user. The type is string.

The following names are defined for this attribute: USER_IDENTIFIER or USERID (historical name), User Identifier (caption), User_Identifier (attribute name), and USERID (column name).

MQ Action Log data set

Use the MQ Action Log attributes to view an audit trail of actions performed by end users. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports).

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Action Type

Type of action. The valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (-1), MQ Command (1), Retry Message (2), Forward Message (3), Delete Message (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ACTION_TYPE or ACTTYPE (historical name), Action Type (caption), Action_Type (attribute name), and ACTTYPE (column name).

Command

Content of the Take Action command or message manipulation request. The type is string.

The following names are defined for this attribute: COMMAND_U or ACTCMD (historical name), Command (caption), Command_U (attribute name), and ACTCMD (column name).

Correlation ID

Correlation ID of the message. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: CORRELATION_ID or CORRELID (historical name), Correlation ID (caption), Correlation_ID (attribute name), and CORRELID (column name).

Host Name

Name of the system on which the queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Log Date & Time

Date and time that the action is written to log. Standard 16-character date and time format (CYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. This attribute is a key attribute. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LOG_DATE_AND_TIME or LOG_DTTM (historical name), Log Date & Time (caption), Log_Date_and_Time (attribute name), and LOG_DTTM (column name).

Message ID

Message ID of the message. The type is string.

The following names are defined for this attribute: MESSAGE_ID or MSGID (historical name), Message ID (caption), Message_ID (attribute name), and MSGID (column name).

Message Tag

Cyclic redundancy check (CRC) for MQMD (Message Descriptor) in hexadecimal characters. The type is string.

The following names are defined for this attribute: MESSAGE_TAG or MQMD_CRC (historical name), Message Tag (caption), Message_Tag (attribute name), and MQMD_CRC (column name).

MQ Reason Code

Reason code of the Take Action command or message manipulation. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), MQ Command Successful (0), 2001-Alias Base Q Type Error (2001), 2002-Already Connected (2002), 2003-Backed Out (2003), 2004-Buffer Error (2004), 2005-Buffer Length Error (2005), 2006-Char Attr Length Error (2006), 2007-Char Attrs Error (2007), 2008-Char Attrs Too Short (2008), 2009-Connection Broken (2009), 2010-Data Length Error (2010), 2011-Dynamic Q Name Error (2011), 2012-Environment Error (2012), 2013-Expiry Error (2013), 2014-Feedback Error (2014), 2016-Get Inhibited (2016), 2017-Handle Not Available (2017), 2018-Hconn Error (2018), 2019-Hobj Error (2019), 2020-Inhibit Value Error (2020), 2021-Int Attr Count Error (2021), 2022-Int Attr Count Too Small (2022), 2023-Int Attrs Array Error (2023), 2024-Syncpoint Limit Reached (2024), 2025-Max Conns Limit Reached (2025), 2026-Md Error (2026), 2027-Missing Reply To Q (2027), 2029-Msg Type Error (2029), 2030-Msg Too Big For Q (2030), 2031-Msg Too Big For Q Mgr (2031), 2033-No Msg Available (2033), 2034-No Msg Under Cursor (2034), 2035-Not Authorized (2035), 2036-Not Open For Browse (2036), 2037-Not Open For Input (2037), 2038-Not Open For Inquire (2038), 2039-Not Open For Output (2039), 2040-Not Open For Set (2040), 2041-Object Changed (2041), 2042-Object In Use (2042), 2043-Object Type Error (2043), 2044-Od Error (2044), 2045-Option Not Valid For Type (2045), 2046-Options Error (2046), 2047-Persistence Error (2047),

2048-Persistent Not Allowed (2048), 2049-Priority Exceeds Maximum (2049), 2050-Priority Error (2050), 2051-Put Inhibited (2051), 2052-Q Deleted (2052), 2053-Q Full (2053), 2055-Q Not Empty (2055), 2056-Q Space Not Available (2056), 2057-Q Type Error (2057), 2058-Q Mgr Name Error (2058), 2059-Q Mgr Not Available (2059), 2061-Report Options Error (2061), 2062-Second Mark Not Allowed (2062), 2063-Security Error (2063), 2065-Selector Count Error (2065), 2066-Selector Limit Exceeded (2066), 2067-Selector Error (2067), 2068-Selector Not For Type (2068), 2069-Signal Outstanding (2069), 2070-Signal Request Accepted (2070), 2071-Storage Not Available (2071), 2072-Syncpoint Not Available (2072), 2075-Trigger Control Error (2075), 2076-Trigger Depth Error (2076), 2077-Trigger Msg Priority Err (2077), 2078-Trigger Type Error (2078), 2079-Truncated Msg Accepted (2079), 2080-Truncated Msg Failed (2080), 2082-Unknown Alias Base Q (2082), 2085-Unknown Object Name (2085), 2086-Unknown Object Q Mgr (2086), 2087-Unknown Remote Q Mgr (2087), 2090-Wait Interval Error (2090), 2091-Xmit Q Type Error (2091), 2092-Xmit Q Usage Error (2092), 2093-Not Open For Pass All (2093), 2094-Not Open For Pass Ident (2094), 2095-Not Open For Set All (2095), 2096-Not Open For Set Ident (2096), 2097-Context Handle Error (2097), 2098-Context Not Available (2098), 2099-Signal1 Error (2099), 2100-Object Already Exists (2100), 2101-Object Damaged (2101), 2102-Resource Problem (2102), 2103-Another Q Mgr Connected (2103), 2104-Unknown Report Option (2104), 2105-Storage Class Error (2105), 2106-Cod Not Valid For Xcf Q (2106), 2107-Xwait Canceled (2107), 2108-Xwait Error (2108), 2109-Suppressed By Exit (2109), 2110-Format Error (2110), 2111-Source Ccsid Error (2111), 2112-Source Integer Enc Error (2112), 2113-Source Decimal Enc Error (2113), 2114-Source Float Enc Error (2114), 2115-Target Ccsid Error (2115), 2116-Target Integer Enc Error (2116), 2117-Target Decimal Enc Error (2117), 2118-Target Float Enc Error (2118), 2119-Not Converted (2119), 2120-Converted Msg Too Big (2120), 2120-Truncated (2120), 2121-No External Participants (2121), 2122-Participant Not Available (2122), 2123-Outcome Mixed (2123), 2124-Outcome Pending (2124), 2125-Bridge Started (2125), 2126-Bridge Stopped (2126), 2127-Adapter Storage Shortage (2127), 2128-Uow In Progress (2128), 2129-Adapter Conn Load Error (2129), 2130-Adapter Serv Load Error (2130), 2131-Adapter Defs Error (2131), 2132-Adapter Defs Load Error (2132), 2133-Adapter Conv Load Error (2133), 2134-Bo Error (2134), 2135-Dh Error (2135), 2136-Multiple Reasons (2136), 2137-Open Failed (2137), 2138-Adapter Disc Load Error (2138), 2139-Cno Error (2139), 2140-Cics Wait Failed (2140), 2141-Dlh Error (2141), 2142-Header Error (2142), 2143-Source Length Error (2143), 2144-Target Length Error (2144), 2145-Source Buffer Error (2145), 2146-Target Buffer Error (2146), 2148-lih Error (2148), 2149-Pcf Error (2149), 2150-Dbcs Error (2150), 2152-Object Name Error (2152), 2153-Object Q Mgr Name Error (2153), 2154-Recs Present Error (2154), 2155-Object Records Error (2155), 2156-Response Records Error (2156), 2157-Asid Mismatch (2157), 2158-Pmo Record Flags Error (2158), 2159-Put Msg Records Error (2159), 2160-Conn Id In Use (2160), 2161-Q Mgr Quiescing (2161), 2162-Q Mgr Stopping (2162), 2163-Duplicate Recov Coord (2163), 2173-Pmo Error (2173), 2182-API Exit Not Found (2182), 2183-API Exit Load Error (2183), 2184-Remote Q Name Error (2184), 2185-Inconsistent Persistence (2185), 2186-Gmo Error (2186), 2191-Tmc Error (2191), 2192-Pageset Full (2192), 2193-Pageset Error (2193), 2194-Name Not Valid For Type (2194), 2195-Unexpected Error (2195), 2196-Unknown Xmit Q (2196), 2197-Unknown Def Xmit Q (2197), 2198-Def Xmit Q Type Error (2198), 2199-Def Xmit Q Usage Error (2199), 2201-Name In Use (2201), 2202-Connection Quiescing (2202), 2203-Connection Stopping (2203), 2204-Adapter Not Available (2204), 2206-Msg Id Error (2206), 2207-Correl Id Error (2207), 2208-File System Error (2208), 2209-No Msg Locked (2209), 2216-File Not Audited (2216), 2217-Connection Not Authorized (2217), 2218-Msg Too Big For Channel (2218), 2219-Call In Progress (2219), 2220-Rmh Error (2220), 2222-Q Mgr Active (2222), 2223-Q Mgr Not Active (2223), 2224-Q Depth High (2224), 2225-Q Depth Low (2225), 2226-Q Service Interval High (2226), 2227-Q Service Interval Ok (2227), 2233-Channel Auto Def Ok (2233), 2234-Channel Auto Def Error (2234), 2235-Cfh Error (2235), 2236-Cfil Error (2236), 2237-Cfin Error (2237), 2238-Cfsl Error (2238), 2239-Cfst Error (2239), 2241-Incomplete Group (2241), 2242-Incomplete Msg (2242), 2243-Inconsistent Ccsids (2243), 2244-Inconsistent Encodings (2244), 2245-Inconsistent Uow (2245), 2246-Invalid Msg Under Cursor (2246), 2247-Match Options Error (2247), 2248-Mde Error (2248), 2249-Msg Flags Error (2249), 2250-Msg Seq Number Error (2250), 2251-Offset Error (2251), 2252-Original Length Error (2252), 2253-Segment Length Zero (2253), 2255-Uow Not Available (2255), 2256-Wrong Gmo Version (2256), 2257-Wrong Md Version (2257), 2258-Group Id Error (2258), 2259-Inconsistent Browse (2259), 2260-Xqh Error (2260), 2261-Src Env Error (2261), 2262-Src Name Error (2262), 2263-Dest

Env Error (2263), 2264-Dest Name Error (2264), 2265-Tm Error (2265), 2280-Hconfig Error (2280), 2281-Function Error (2281), 2282-Channel Started (2282), 2283-Channel Stopped (2283), 2284-Channel Conv Error (2284), 2285-Service Not Available (2285), 2286-Initialization Failed (2286), 2287-Termination Failed (2287), 2288-Unknown Q Name (2288), 2289-Service Error (2289), 2290-Q Already Exists (2290), 2291-User Id Not Available (2291), 2292-Unknown Entity (2292), 2293-Unknown Auth Entity (2293), 2294-Unknown Ref Object (2294), 2295-Channel Activated (2295), 2296-Channel Not Activated (2296), 3001-MQCFH Type Error (3001), 3002-MQCFH Struct Length Error (3002), 3003-MQCHF Version Error (3003), 3004-MQCFH Msg Seq Error (3004), 3005-MQCFH Control error (3005), 3006-MQCFH Parm Count Error (3006), 3007-MQCFH Command Error (3007), 3008-Command Failed (3008), 3009-MQCFIN Struct Length Error (3009), 3010-MQCFST Struct Length Error (3010), 3011-MQCFST String Length Error (3011), 3012-Force value Error (3012), 3013-Structure Type Error (3012), 3014-MQCFIN Parm ID Error (3014), 3015-MQCFST Parm ID Error (3015), 3016-Msg Length Error (3016), 3017-MQCFIN Duplicate Parm (3017), 3018-MQCFST Duplicate Parm (3018), 3019-Parm Count Too Small (3019), 3020-Parm Count Too Big (3020), 3021-Q Already In Cell (3021), 3022-Q Type Error (3022), 3023-MD Format Error (3023), 3025-Replace Value Error (3025), 3026-MQCFIL Duplicate Value (3026), 3027-MQCFIL Count Error (3027), 3028-MQCFIL Length Error (3028), 3029-Quiesce Value Error (3029), 3030-Msg Seq Number Error (3030), 3031-Ping Data Count Error (3031), 3032-Ping Data Compare Error (3032), 3034-Channel Type Error (3034), 3035-Parm Sequence Error (3035), 3036-Xmit Protocol Type Error (3036), 3037-Batch Size Error (3037), 3038-Disc Int Error (3038), 3039-Short Retry Error (3039), 3040-Short Timer Error (3040), 3041-Long Retry Error (3041), 3042-Long Timer Error (3042), 3043-Seq Number Wrap Error (3043), 3044-Max Msg Length Error (3044), 3045-Put Auth Error (3045), 3046-Purge Value Error (3046), 3047-MQCFIL Parm ID Error (3047), 3048-Msg Truncated (3048), 3049-CCSID Error (3049), 3050-Encoding Error (3050), 3052-Data Conv Value Error (3052), 3053-InDoubt Value Error (3053), 3054-Escape Type Error (3054), 3062-Channel Table Error (3062), 3063-MCA Type Error (3063), 3064-Chl Inst Type Error (3064), 3065-Chl Status Not Found (3065), 3066-MQCFSL Duplicate Parm (3066), 3067-MQCFSL Total Length Error (3067), 4001-Object Already Exist (4001), 4002-Object Wrong Type (4002), 4003-Like Object Wrong Type (4003), 4004-Object Open (4004), 4005-Attr Value Error (4005), 4006-Unknown Q Mgr (4006), 4007-Q Wrong Type (4007), 4008-Object Name Error (4008), 4009-Allocate Failed (4009), 4010-Host Not Available (4010), 4011-Configuration Error (4011), 4012-Connection Refused (4012), 4013-Entry Error (4013), 4014-Send Failed (4014), 4015-Receive Data Error (4015), 4016-Receive Failed (4016), 4017-Connection Closed (4017), 4018-No Storage (4018), 4019-No Comms Manager (4019), 4020-Listener Not Started (4020), 4024-Bind Failed (4024), 4025-Channel InDoubt (4025), 4026-MQCONN Failed (4026), 4027-MQOPEN Failed (4027), 4028-MQGET Failed (4028), 4029-MQPUT Failed (4029), 4030-PING Error (4030), 4031-Channel In Use (4031), 4032-Channel Not Found (4032), 4033-Unknown Remote Channel (4033), 4034-Remote QM Unavailable (4034), 4035-Remote QM Terminating (4035), 4036-MQINQ Failed (4036), 4037-Not Xmit Q (4037), 4038-Channel Disabled (4038), 4039-User Exit Not Available (4039), 4040-Commit Failed (4040), 4042-Channel Already Exists (4042), 4043-Data Too Large (4043), 4044-Channel Name Error (4044), 4045-Xmit Q Name Error (4045), 4047-MCA Name Error (4047), 4048-Send Exit Name Error (4048), 4049-Sec Exit Name Error (4049), 4050-Msg Exit Name Error (4050), 4051-Rcv Exit Name Error (4051), 4052-Xmit Q Name Wrong Type (4052), 4053-MCA Name Wrong Type (4053), 4054-Disc Int Wrong Type (4054), 4055-Short Retry Wrong Type (4055), 4056-Short Timer Wrong Type (4056), 4057-Long Retry Wrong Type (4057), 4058-Long Timer Wrong Type (4058), 4059-Put Auth Wrong Type (4059), 4061-Missing Conn Name (4061), 4062-Conn Name Error (4062), 4063-MQSET Failed (4063), 4064-Channel Not Active (4064), 4065-Terminated By Sec Exit (4065), 4067-Dynamic Q Scope Error (4067), 4068-Cell Dir Not Available (4068), 4069-MR Count Error (4069), 4070-MR Count Wrong Type (4070), 4071-MR Exit Name Error (4071), 4072-MR Exit Name Wrong Type (4072), 4073-MR Interval Error (4073), 4074-MR Interval Wrong Type (4074), 4075-NPM Speed Error (4075), 4076-NPM Speed Wrong Type (4076), 4077-HB Interval Error (4077), 4078-HB Interval Wrong Type (4078), 4079-CHAD Error (4079), 4080-CHAD Wrong Type (4080), 4081-CHAD Event Error (4081), 4082-CHAD Event Wrong Type (4082), 4083-CHAD Exit Error (4083), 4084-CHAD Exit Wrong Type (4084), 4085-Suppressed By Exit (4085), 4086-Batch Int Error (4086), 4087-Batch Int Wrong Type (4087), Msg Put On Xmit Q Successful (9001), Unsupported CCSID Found (9002), Insufficient Storage (9005), Msg Missing DLQ Header (9006), Truncated Msg

Not Retrieved (9007), Not Allowed By MSGACCESS Option (9008), Agent Timeout Occurred (9009), Not Allowed By COMMAND Option (9010), Failed Due to QMGR Quiescing (9011), Unknown Reason Code (9012), Command Accepted by MVS (9013), QMGR Not Active (9014), Remote QMGR Not Supported (9015), Syntax Error (9016), Command Failed (9017), Not Allowed by Security (9018), Not Supported by Platform (9019). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MQ_REASON_CODE or MQRSNCODE (historical name), MQ Reason Code (caption), MQ_Reason_Code (attribute name), and MQRSNCODE (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.
The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

QMgr Name

Name of the queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Source Queue Name

Source queue name of the message. The type is string.

The following names are defined for this attribute: SOURCE_QUEUE_NAME or SRCQNAME (historical name), Source Queue Name (caption), Source_Queue_Name (attribute name), and SRCQNAME (column name).

Target QMgr Name

Target queue manager name of the message. The type is string.

The following names are defined for this attribute: TARGET_MQ_MANAGER_NAME or TGTQMNAME (historical name), Target QMgr Name (caption), Target_MQ_Manager_Name (attribute name), and TGTQMNAME (column name).

Target Queue Name

Target queue name of the message. The type is string.

The following names are defined for this attribute: TARGET_QUEUE_NAME or TGTQNAME (historical name), Target Queue Name (caption), Target_Queue_Name (attribute name), and TGTQNAME (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

User ID

ID of the user that has issued the Take Action command or performed the message manipulation action. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: USER_IDENTIFIER or USERID (historical name), User ID (caption), User_Identifier (attribute name), and USERID (column name).

MQ Channel Statistics data set

The MQ Channel Statistics attributes provide the information that is related to the activity of a channel during a configured interval. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports).

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Avg Batch Size

Average size of batches that are processed by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: AVERAGE_BATCH_SIZE or AVG_BS (historical name), Avg Batch Size (caption), Average_Batch_Size (attribute name), and AVG_BS (column name).

Channel Name

The name of this channel. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: CHANNEL_NAME or CHNAME (historical name), Channel Name (caption), Channel_Name (attribute name), and CHNAME (column name).

Channel Type

Type of the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (-1), Sender (1), Server (2), Receiver (3), Requester (4), All (5), ClusRcvr (8), ClusSdr (9). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_TYPE or CHTYPE (historical name), Channel Type (caption), Channel_Type (attribute name), and CHTYPE (column name).

Command Level

Queue manager command level. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: COMMAND_LEVEL or CMD_LEVEL (historical name), Command Level (caption), Command_Level (attribute name), and CMD_LEVEL (column name).

Connection Name

Connection name of remote queue manager. The type is string.

The following names are defined for this attribute: CONNECTION_NAME or CONN_NAME (historical name), Connection Name (caption), Connection_Name (attribute name), and CONN_NAME (column name).

Exit Time Avg

Average recorded time that is spent running a user exit in recording interval. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EXIT_TIME_AVERAGE or EXITTM_AVG (historical name), Exit Time Avg (caption), Exit_Time_Average (attribute name), and EXITTM_AVG (column name).

Exit Time Max

Longest recorded time that is spent running a user exit in recording interval. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EXIT_TIME_MAXIMUM or EXITTM_MAX (historical name), Exit Time Max (caption), Exit_Time_Maximum (attribute name), and EXITTM_MAX (column name).

Exit Time Min

Shortest recorded time that is spent running a user exit in recording interval. The type is integer

(32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EXIT_TIME_MINIMUM or EXITTM_MIN (historical name), Exit Time Min (caption), Exit_Time_Minimum (attribute name), and EXITTM_MIN (column name).

Full Batch Count

Number of complete batches that are processed by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: FULL_BATCH_COUNT or FULL_BAT_C (historical name), Full Batch Count (caption), Full_Batch_Count (attribute name), and FULL_BAT_C (column name).

Full Batch Rate

Rate per second of complete batches that are processed by the channel. The type is real number (32-bit numeric property) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: FULL_BATCH_RATE or FULL_BAT_R (historical name), Full Batch Rate (caption), Full_Batch_Rate (attribute name), and FULL_BAT_R (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Incomplete Batch Count

Number of incomplete batches that are processed by the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INCOMPLETE_BATCH_COUNT or INCM_BAT_C (historical name), Incomplete Batch Count (caption), Incomplete_Batch_Count (attribute name), and INCM_BAT_C (column name).

Incomplete Batch Rate

Rate per second of incomplete batches that are processed by the channel. The type is real number (32-bit numeric property) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INCOMPLETE_BATCH_RATE or INCM_BAT_R (historical name), Incomplete Batch Rate (caption), Incomplete_Batch_Rate (attribute name), and INCM_BAT_R (column name).

Interval End Date & Time

Date and time of the end of the monitoring period. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_END_DATE_AND_TIME or INTED_DTTM (historical name), Interval End Date & Time (caption), Interval_End_Date_and_Time (attribute name), and INTED_DTTM (column name).

Interval Start Date & Time

Date and time of the start of the monitoring period. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_START_DATE_AND_TIME or INTST_DTTM (historical name), Interval Start Date & Time (caption), Interval_Start_Date_and_Time (attribute name), and INTST_DTTM (column name).

Interval Time

Seconds of interval time. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_TIME or INTRVL_TM (historical name), Interval Time (caption), Interval_Time (attribute name), and INTRVL_TM (column name).

Msg Count

Number of nonpersistent messages that are sent or received. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_COUNT or MSG_C (historical name), Msg Count (caption), Message_Count (attribute name), and MSG_C (column name).

Msg Rate

Rate per second of nonpersistent messages that are sent or received. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_RATE or MSG_R (historical name), Msg Rate (caption), Message_Rate (attribute name), and MSG_R (column name).

Net Time Avg

Average latency of messages that are retrieved from the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NET_TIME_AVERAGE or NETTM_AVG (historical name), Net Time Avg (caption), Net_Time_Average (attribute name), and NETTM_AVG (column name).

Net Time Max

Longest recorded channel round trip that is measured in recording interval. The valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NET_TIME_MAXIMUM or NETTM_MAX (historical name), Net Time Max (caption), Net_Time_Maximum (attribute name), and NETTM_MAX (column name).

Net Time Min

Shortest recorded channel round trip that is measured in the recording interval. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NET_TIME_MINIMUM or NETTM_MIN (historical name), Net Time Min (caption), Net_Time_Minimum (attribute name), and NETTM_MIN (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Object Count

Number of queues that are accessed in the interval. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OBJECT_COUNT or OBJ_COUNT (historical name), Object Count (caption), Object_Count (attribute name), and OBJ_COUNT (column name).

Put Retry Count

Number of times for a message that enters a retry loop because of failure. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_RETRY_COUNT or PUT_RTR_C (historical name), Put Retry Count (caption), Put_Retry_Count (attribute name), and PUT_RTR_C (column name).

Put Retry Rate

Rate per second of times for a message that enters a retry loop because of failure. The type is real number (32-bit numeric property) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_RETRY_RATE or PUT_RTR_R (historical name), Put Retry Rate (caption), Put_Retry_Rate (attribute name), and PUT_RTR_R (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Query Type

Type of a SQL query. Current = 0, Recent = 1, Historical = 2. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Current (0), Recent (1), Historical (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUERY_TYPE or QUERYTYPE (historical name), Query Type (caption), Query_Type (attribute name), and QUERYTYPE (column name).

Remote QMgr

Name of the remote queue manager. The type is string.

The following names are defined for this attribute: REMOTE_QUEUE_MANAGER or RMT_QMGR (historical name), Remote QMgr (caption), Remote_Queue_Manager (attribute name), and RMT_QMGR (column name).

Sample Handle

Handle for a sample data record. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SAMPLE_HANDLE or SAMPHDL (historical name), Sample Handle (caption), Sample_Handle (attribute name), and SAMPHDL (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: `TIMESTAMP` (historical name), `Timestamp` (caption), `Timestamp` (attribute name), and `TIMESTAMP` (column name).

Total Byte Rate

Rate per second of bytes that are sent or received for nonpersistent message. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: `n/a` (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `TOTAL_BYTE_RATE` or `BYTE_R` (historical name), `Total Byte Rate` (caption), `Total_Byte_Rate` (attribute name), and `BYTE_R` (column name).

Total Bytes

Number of bytes that are sent or received for nonpersistent message. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: `n/a` (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `TOTAL_BYTES_64BIT` or `BYTE_64` (historical name), `Total Bytes` (caption), `Total_Bytes_64bit` (attribute name), and `BYTE_64` (column name).

Total Bytes (Deprecated)

Number of bytes that are sent or received for nonpersistent message. The type is string.

The following names are defined for this attribute: `TOTAL_BYTES` or `BYTE_S` (historical name), `Total Bytes (Deprecated)` (caption), `Total_Bytes` (attribute name), and `BYTE_S` (column name).

MQ Queue Statistics data set

The MQ Queue Statistics attributes provide the information that is related to the activity of a queue during a configured interval. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports).

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Browse Byte Rate

Rate per second of bytes that are got nondestructively. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: `n/a` (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `BROWSE_BYTE_RATE` or `BRWS_B_R` (historical name), `Browse Byte Rate` (caption), `Browse_Byte_Rate` (attribute name), and `BRWS_B_R` (column name).

Browse Bytes

Total number of bytes that are got nondestructively. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: `n/a` (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `BROWSE_BYTES_64BIT` or `BRWS_B_C64` (historical name), `Browse Bytes` (caption), `Browse_Bytes_64bit` (attribute name), and `BRWS_B_C64` (column name).

Browse Bytes (Deprecated)

Total number of bytes that are got nondestructively. The type is string.

The following names are defined for this attribute: `BROWSE_BYTES` or `BRWS_B_CS` (historical name), `Browse Bytes (Deprecated)` (caption), `Browse_Bytes` (attribute name), and `BRWS_B_CS` (column name).

Browse Count

Count of non-destructive gets for messages. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_COUNT or BRWS_C (historical name), Browse Count (caption), Browse_Count (attribute name), and BRWS_C (column name).

Browse Fail Count

Number of unsuccessful non-destructive gets. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_FAIL_COUNT or BRWS_FL_C (historical name), Browse Fail Count (caption), Browse_Fail_Count (attribute name), and BRWS_FL_C (column name).

Browse Fail Rate

Rate per second of unsuccessful non-destructive gets. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_FAIL_RATE or BRWS_FL_R (historical name), Browse Fail Rate (caption), Browse_Fail_Rate (attribute name), and BRWS_FL_R (column name).

Browse Rate

Rate per second of non-destructive gets for messages. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_RATE or BRWS_R (historical name), Browse Rate (caption), Browse_Rate (attribute name), and BRWS_R (column name).

Command Level

The queue manager command level. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: COMMAND_LEVEL or CMD_LEVEL (historical name), Command Level (caption), Command_Level (attribute name), and CMD_LEVEL (column name).

Create Date & Time

Date and time that the queue is created. Standard 16-character date/time format (CYYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CREATE_DATE_AND_TIME or CRT_DTTM (historical name), Create Date & Time (caption), Create_Date_and_Time (attribute name), and CRT_DTTM (column name).

Expired Msg Count

Number of messages that are discarded because of expiration. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EXPIRED_MESSAGE_COUNT or MSG_EXPI_C (historical name), Expired Msg Count (caption), Expired_Message_Count (attribute name), and MSG_EXPI_C (column name).

Expired Msg Rate

Rate per second of messages that are discarded because of expiration. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EXPIRED_MESSAGE_RATE or MSG_EXPI_R (historical name), Expired Msg Rate (caption), Expired_Message_Rate (attribute name), and MSG_EXPI_R (column name).

Generated Msg Count

The number of generated messages. The type is integer (32-bit numeric property).

The following names are defined for this attribute: GENERATED_MESSAGE_COUNT or GEN_MSG_C (historical name), Generated Msg Count (caption), Generated_Message_Count (attribute name), and GEN_MSG_C (column name).

Get Byte Rate

Rate per second of bytes that are got destructively. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_BYTE_RATE or GET_B_R (historical name), Get Byte Rate (caption), Get_Byte_Rate (attribute name), and GET_B_R (column name).

Get Bytes

Total number of bytes that are got destructively. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_BYTES_64BIT or GET_B_C64 (historical name), Get Bytes (caption), Get_Bytes_64bit (attribute name), and GET_B_C64 (column name).

Get Bytes (Deprecated)

Total number of bytes that are got destructively. The type is string.

The following names are defined for this attribute: GET_BYTES or GET_B_CS (historical name), Get Bytes (Deprecated) (caption), Get_Bytes (attribute name), and GET_B_CS (column name).

Get Count

Count of gets. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_COUNT or GET_C (historical name), Get Count (caption), Get_Count (attribute name), and GET_C (column name).

Get Fail Count

Number of unsuccessful destructive gets. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_FAIL_COUNT or GET_FL_C (historical name), Get Fail Count (caption), Get_Fail_Count (attribute name), and GET_FL_C (column name).

Get Fail Rate

Rate per second of unsuccessful destructive gets. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_FAIL_RATE or GET_FL_R (historical name), Get Fail Rate (caption), Get_Fail_Rate (attribute name), and GET_FL_R (column name).

Get Rate

Rate per second of destructive gets. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_RATE or GET_R (historical name), Get Rate (caption), Get_Rate (attribute name), and GET_R (column name).

Host Name

The name of the system where this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Interval End Date & Time

Date and time of the end of the monitoring period. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_END_DATE_AND_TIME or INTED_DTTM (historical name), Interval End Date & Time (caption), Interval_End_Date_and_Time (attribute name), and INTED_DTTM (column name).

Interval Start Date & Time

Date and time of the start of the monitoring period. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_START_DATE_AND_TIME or INTST_DTTM (historical name), Interval Start Date & Time (caption), Interval_Start_Date_and_Time (attribute name), and INTST_DTTM (column name).

Interval Time

Seconds of interval time. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_TIME or INTRVL_TM (historical name), Interval Time (caption), Interval_Time (attribute name), and INTRVL_TM (column name).

MQCB Create-Alter Count

The number of successful MQCB created or altered requests. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MQCB_CREATE-ALTER_COUNT or CB_CRAL_C (historical name), MQCB Create-Alter Count (caption), MQCB_Create-Alter_Count (attribute name), and CB_CRAL_C (column name).

MQCB Fail Count

The number of unsuccessful MQCB requests. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MQCB_FAIL_COUNT or CB_FAIL_C (historical name), MQCB Fail Count (caption), MQCB_Fail_Count (attribute name), and CB_FAIL_C (column name).

MQCB Remove Count

The number of successful MQCB removed requests. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MQCB_REMOVE_COUNT or CB_REMV_C (historical name), MQCB Remove Count (caption), MQCB_Remove_Count (attribute name), and CB_REMV_C (column name).

MQCB Resume Count

The number of successful MQCB resumed requests. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MQCB_RESUME_COUNT or CB_RESM_C (historical name), MQCB Resume Count (caption), MQCB_Resume_Count (attribute name), and CB_RESM_C (column name).

MQCB Suspend Count

The number of successful MQCB suspended requests. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MQCB_SUSPEND_COUNT or CB_SUSP_C (historical name), MQCB Suspend Count (caption), MQCB_Suspend_Count (attribute name), and CB_SUSP_C (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Non-Queued Msg Count

Number of messages that bypass the queue and are transferred to a waiting application. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NON-QUEUED_MESSAGE_COUNT or MSG_NQ_C (historical name), Non-Queued Msg Count (caption), Non-Queued_Message_Count (attribute name), and MSG_NQ_C (column name).

Non-Queued Msg Rate

Rate per second of messages that bypass the queue and are transferred to a waiting application. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NON-QUEUED_MESSAGE_RATE or MSG_NQ_R (historical name), Non-Queued Msg Rate (caption), Non-Queued_Message_Rate (attribute name), and MSG_NQ_R (column name).

NPM Browse Bytes

The number of bytes read in non-destructive get requests for nonpersistent messages. The type is integer (64-bit numeric property).

The following names are defined for this attribute: NPM_BROWSE_BYTES or BRWS_B_NPM (historical name), NPM Browse Bytes (caption), NPM_Browse_Bytes (attribute name), and BRWS_B_NPM (column name).

NPM Browse Count

The number of successful non-destructive get requests for nonpersistent messages. The type is integer (32-bit numeric property).

The following names are defined for this attribute: NPM_BROWSE_COUNT or BRWS_C_NPM (historical name), NPM Browse Count (caption), NPM_Browse_Count (attribute name), and BRWS_C_NPM (column name).

NPM Get Bytes

The number of bytes read in destructive get requests for nonpersistent messages. The type is integer (64-bit numeric property).

The following names are defined for this attribute: NPM_GET_BYTES or GET_B_NPM (historical name), NPM Get Bytes (caption), NPM_Get_Bytes (attribute name), and GET_B_NPM (column name).

NPM Get Count

The number of successful destructive get requests for nonpersistent messages. The type is integer (32-bit numeric property).

The following names are defined for this attribute: NPM_GET_COUNT or GET_C_NPM (historical name), NPM Get Count (caption), NPM_Get_Count (attribute name), and GET_C_NPM (column name).

NPM Put Bytes

The number of bytes written in put requests for nonpersistent messages. The type is integer (64-bit numeric property).

The following names are defined for this attribute: NPM_PUT_BYTES or PUT_B_NPM (historical name), NPM Put Bytes (caption), NPM_Put_Bytes (attribute name), and PUT_B_NPM (column name).

NPM Put Count

The number of successfully put messages using MQPUT for nonpersistent messages. The type is integer (32-bit numeric property).

The following names are defined for this attribute: NPM_PUT_COUNT or PUT_C_NPM (historical name), NPM Put Count (caption), NPM_Put_Count (attribute name), and PUT_C_NPM (column name).

NPM Put1 Count

The number of successfully put messages using MQPUT1 for nonpersistent messages. The type is integer (32-bit numeric property).

The following names are defined for this attribute: NPM_PUT1_COUNT or PUT1_C_NPM (historical name), NPM Put1 Count (caption), NPM_Put1_Count (attribute name), and PUT1_C_NPM (column name).

NPM Queue Time Avg(ms)

Average latency of messages retrieved for nonpersistent messages. The type is integer (64-bit gauge).

The following names are defined for this attribute: NPM_QUEUE_TIME_AVERAGE or AVG_QT_NPM (historical name), NPM Queue Time Avg(ms) (caption), NPM_Queue_Time_Average (attribute name), and AVG_QT_NPM (column name).

Object Count

Number of queues accessed in the interval. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OBJECT_COUNT or OBJ_COUNT (historical name), Object Count (caption), Object_Count (attribute name), and OBJ_COUNT (column name).

PM Browse Bytes

The number of bytes read in non-destructive get requests for persistent messages. The type is integer (64-bit numeric property).

The following names are defined for this attribute: PM_BROWSE_BYTES or BRWS_B_PM (historical name), PM Browse Bytes (caption), PM_Browse_Bytes (attribute name), and BRWS_B_PM (column name).

PM Browse Count

The number of successful non-destructive get requests for persistent messages. The type is integer (32-bit numeric property).

The following names are defined for this attribute: PM_BROWSE_COUNT or BRWS_C_PM (historical name), PM Browse Count (caption), PM_Browse_Count (attribute name), and BRWS_C_PM (column name).

PM Get Bytes

The number of bytes read in destructive get requests for persistent messages. The type is integer (64-bit numeric property).

The following names are defined for this attribute: PM_GET_BYTES or GET_B_PM (historical name), PM Get Bytes (caption), PM_Get_Bytes (attribute name), and GET_B_PM (column name).

PM Get Count

The number of successful destructive get requests for persistent messages. The type is integer (32-bit numeric property).

The following names are defined for this attribute: PM_GET_COUNT or GET_C_PM (historical name), PM Get Count (caption), PM_Get_Count (attribute name), and GET_C_PM (column name).

PM Put Bytes

The number of bytes written in put requests for persistent messages. The type is integer (64-bit numeric property).

The following names are defined for this attribute: PM_PUT_BYTES or PUT_B_PM (historical name), PM Put Bytes (caption), PM_Put_Bytes (attribute name), and PUT_B_PM (column name).

PM Put Count

The number of successfully put messages using MQPUT for persistent messages. The type is integer (32-bit numeric property).

The following names are defined for this attribute: PM_PUT_COUNT or PUT_C_PM (historical name), PM Put Count (caption), PM_Put_Count (attribute name), and PUT_C_PM (column name).

PM Put1 Count

The number of successfully put messages using MQPUT1 for persistent messages. The type is integer (32-bit numeric property).

The following names are defined for this attribute: PM_PUT1_COUNT or PUT1_C_PM (historical name), PM Put1 Count (caption), PM_Put1_Count (attribute name), and PUT1_C_PM (column name).

PM Queue Time Avg(ms)

Average latency of messages retrieved for persistent messages. The type is integer (64-bit gauge).

The following names are defined for this attribute: PM_QUEUE_TIME_AVERAGE or AVG_QT_PM (historical name), PM Queue Time Avg(ms) (caption), PM_Queue_Time_Average (attribute name), and AVG_QT_PM (column name).

Purge Count

Number of messages that are purged. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PURGE_COUNT or PURGE_C (historical name), Purge Count (caption), Purge_Count (attribute name), and PURGE_C (column name).

Purge Rate

Rate per second of messages that are purged. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PURGE_RATE or PURGE_R (historical name), Purge Rate (caption), Purge_Rate (attribute name), and PURGE_R (column name).

Put Byte Rate

Rate per second of bytes that are put for messages. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_BYTE_RATE or PUT_B_R (historical name), Put Byte Rate (caption), Put_Byte_Rate (attribute name), and PUT_B_R (column name).

Put Bytes

Total number of bytes that are put for messages. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_BYTES_64BIT or PUT_B_C64 (historical name), Put Bytes (caption), Put_Bytes_64bit (attribute name), and PUT_B_C64 (column name).

Put Bytes (Deprecated)

Total number of bytes that are put for messages. The type is string.

The following names are defined for this attribute: PUT_BYTES or PUT_B_CS (historical name), Put Bytes (Deprecated) (caption), Put_Bytes (attribute name), and PUT_B_CS (column name).

Put Count

Count of puts. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_COUNT or PUT_C (historical name), Put Count (caption), Put_Count (attribute name), and PUT_C (column name).

Put Fail Count

Number of unsuccessful attempts to put a message. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_FAIL_COUNT or PUT_FAIL_C (historical name), Put Fail Count (caption), Put_Fail_Count (attribute name), and PUT_FAIL_C (column name).

Put Fail Rate

Rate per second of unsuccessful attempts to put a message. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_FAIL_RATE or PUT_FAIL_R (historical name), Put Fail Rate (caption), Put_Fail_Rate (attribute name), and PUT_FAIL_R (column name).

Put Rate

Rate per second of messages that are successfully put to a queue. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_RATE or PUT_R (historical name), Put Rate (caption), Put_Rate (attribute name), and PUT_R (column name).

Put1 Count

Count of messages that are put by the MQPUT1 call. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_COUNT or PUT1_C (historical name), Put1 Count (caption), Put1_Count (attribute name), and PUT1_C (column name).

Put1 Fail Count

Number of unsuccessful attempts to put a message using MQPUT1 calls. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_FAIL_COUNT or PUT1_FL_C (historical name), Put1 Fail Count (caption), Put1_Fail_Count (attribute name), and PUT1_FL_C (column name).

Put1 Fail Rate

Rate per second of unsuccessful attempts to put a message using MQPUT1 calls. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_FAIL_RATE or PUT1_FL_R (historical name), Put1 Fail Rate (caption), Put1_Fail_Rate (attribute name), and PUT1_FL_R (column name).

Put1 Rate

Rate per second of messages that are put to queue by the MQPUT1 call. The valid format is a floating point number. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_RATE or PUT1_R (historical name), Put1 Rate (caption), Put1_Rate (attribute name), and PUT1_R (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Query Type

Type of a SQL query. Current = 0, Recent = 1, Historical = 2. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Current (0), Recent (1), Historical (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUERY_TYPE or QUERYTYPE (historical name), Query Type (caption), Query_Type (attribute name), and QUERYTYPE (column name).

Queue Def Type

Queue definition type. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (-1), Predefined (1), PermanentDynamic (2), TemporaryDynamic (3), SharedDynamic (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_DEFINITION_TYPE or QDEF_TYPE (historical name), Queue Def Type (caption), Queue_Definition_Type (attribute name), and QDEF_TYPE (column name).

Queue Max Depth

Maximum queue depth during the monitoring period. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QUEUE_MAXIMUM_DEPTH` or `QMAX_DEP` (historical name), Queue Max Depth (caption), `Queue_Maximum_Depth` (attribute name), and `QMAX_DEP` (column name).

Queue Min Depth

Minimum queue depth during the monitoring period. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QUEUE_MINIMUM_DEPTH` or `QMIN_DEP` (historical name), Queue Min Depth (caption), `Queue_Minimum_Depth` (attribute name), and `QMIN_DEP` (column name).

Queue Name

Name of the queue. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `QUEUE_NAME` or `QNAME` (historical name), Queue Name (caption), `Queue_Name` (attribute name), and `QNAME` (column name).

Queue Time Avg(ms)

Average latency of messages that are retrieved from the queue. The valid format is an integer. The type is integer (64-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QUEUE_TIME_AVERAGE_64BIT` or `AVG_QTM_64` (historical name), Queue Time Avg(ms) (caption), `Queue_Time_Average_64bit` (attribute name), and `AVG_QTM_64` (column name).

Queue Time Avg(ms) (Deprecated)

Average latency of messages that are retrieved from the queue. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QUEUE_TIME_AVERAGE` or `AVG_QTM` (historical name), Queue Time Avg(ms) (Deprecated) (caption), `Queue_Time_Average` (attribute name), and `AVG_QTM` (column name).

Queue Type

Type of the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (-1), Local (1), Model (2), Alias (3), Remote (6), Cluster (7). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QUEUE_TYPE` or `QTYPE` (historical name), Queue Type (caption), `Queue_Type` (attribute name), and `QTYPE` (column name).

Sample Handle

Handle for a sample data record. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SAMPLE_HANDLE` or `SAMPHDL` (historical name), Sample Handle (caption), `Sample_Handle` (attribute name), and `SAMPHDL` (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: `TIMESTAMP` (historical name), Timestamp (caption), `Timestamp` (attribute name), and `TIMESTAMP` (column name).

MQI Call Statistics Details data set

Use MQI Call Statistics Details attributes to view the detailed information of MQI Call statistics. These attributes are informational only; they cannot be used to create situations. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports).

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Auth Info Object Count

Number of authentication information objects that are operated. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute:

AUTHENTICATION_INFORMATION_OBJECT_COUNT or AUTH_C (historical name), Auth Info Object Count (caption), Authentication_Information_Object_Count (attribute name), and AUTH_C (column name).

Auth Info Object Rate

Rate per second of authentication information objects that are operated. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute:

AUTHENTICATION_INFORMATION_OBJECT_RATE or AUTH_R (historical name), Auth Info Object Rate (caption), Authentication_Information_Object_Rate (attribute name), and AUTH_R (column name).

Channel Object Count

Number of channel objects that are operated. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_OBJECT_COUNT or CH_C (historical name), Channel Object Count (caption), Channel_Object_Count (attribute name), and CH_C (column name).

Channel Object Rate

Rate per second of channel objects that are operated. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_OBJECT_RATE or CH_R (historical name), Channel Object Rate (caption), Channel_Object_Rate (attribute name), and CH_R (column name).

Interval End Date & Time

Date and time of the end of the monitoring period. Standard 16-character date/time format (CYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_END_DATE_AND_TIME or INTED_DTTM (historical name), Interval End Date & Time (caption), Interval_End_Date_and_Time (attribute name), and INTED_DTTM (column name).

Interval Start Date & Time

Date and time of the start of the monitoring period. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_START_DATE_AND_TIME or INTST_DTTM (historical name), Interval Start Date & Time (caption), Interval_Start_Date_and_Time (attribute name), and INTST_DTTM (column name).

Interval Time

Seconds of interval time. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_TIME or INTRVL_TM (historical name), Interval Time (caption), Interval_Time (attribute name), and INTRVL_TM (column name).

Listener Object Count

Number of listener objects that are operated. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LISTENER_OBJECT_COUNT or LIST_C (historical name), Listener Object Count (caption), Listener_Object_Count (attribute name), and LIST_C (column name).

Listener Object Rate

Rate per second of listener objects that are operated. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LISTENER_OBJECT_RATE or LIST_R (historical name), Listener Object Rate (caption), Listener_Object_Rate (attribute name), and LIST_R (column name).

MQI Call Metric

Metric for MQI call. This attribute is a key attribute. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Sample No Longer Available (-1), Opens (0), Open Failures (1), Closes (2), Close Failures (3), Inquires (4), Inquire Failures (5), Sets (6), Set Failures (7). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MQI_CALL_METRIC or CALL_METR (historical name), MQI Call Metric (caption), MQI_Call_Metric (attribute name), and CALL_METR (column name).

Namelist Object Count

Number of namelist objects that are operated. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NAMELIST_OBJECT_COUNT or NL_C (historical name), Namelist Object Count (caption), Namelist_Object_Count (attribute name), and NL_C (column name).

Namelist Object Rate

Rate per second of namelist objects that are operated. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NAMELIST_OBJECT_RATE or NL_R (historical name), Namelist Object Rate (caption), Namelist_Object_Rate (attribute name), and NL_R (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Process Object Count

Number of process objects that are operated. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PROCESS_OBJECT_COUNT or PRCS_C (historical name), Process Object Count (caption), Process_Object_Count (attribute name), and PRCS_C (column name).

Process Object Rate

Rate per second of process objects that are operated. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PROCESS_OBJECT_RATE or PRCS_R (historical name), Process Object Rate (caption), Process_Object_Rate (attribute name), and PRCS_R (column name).

QManager Object Count

Number of queue manager objects that are operated. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_MANAGER_OBJECT_COUNT or QMGR_C (historical name), QManager Object Count (caption), Queue_Manager_Object_Count (attribute name), and QMGR_C (column name).

QManager Object Rate

Rate per second of queue manager objects that are operated. The valid format is a floating point number. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_MANAGER_OBJECT_RATE or QMGR_R (historical name), QManager Object Rate (caption), Queue_Manager_Object_Rate (attribute name), and QMGR_R (column name).

Queue Object Count

Number of queue objects that are operated. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_OBJECT_COUNT or Q_C (historical name), Queue Object Count (caption), Queue_Object_Count (attribute name), and Q_C (column name).

Queue Object Rate

Rate per second of queue objects that are operated. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_OBJECT_RATE or Q_R (historical name), Queue Object Rate (caption), Queue_Object_Rate (attribute name), and Q_R (column name).

Sample Handle

Handle for a sample data record. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SAMPLE_HANDLE or SAMPHDL (historical name), Sample Handle (caption), Sample_Handle (attribute name), and SAMPHDL (column name).

Sample Type

Type of a sample data record. This attribute is a key attribute. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Application Accounting (0), MQI Statistics (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SAMPLE_TYPE or SAMPTYPE (historical name), Sample Type (caption), Sample_Type (attribute name), and SAMPTYPE (column name).

Service Object Count

Number of service objects that are operated. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SERVICE_OBJECT_COUNT or SERV_C (historical name), Service Object Count (caption), Service_Object_Count (attribute name), and SERV_C (column name).

Service Object Rate

Rate per second of service objects that are operated. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SERVICE_OBJECT_RATE or SERV_R (historical name), Service Object Rate (caption), Service_Object_Rate (attribute name), and SERV_R (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Topic Object Count

Number of topic objects operated. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TOPIC_OBJECT_COUNT or TOP_C (historical name), Topic Object Count (caption), Topic_Object_Count (attribute name), and TOP_C (column name).

Topic Object Rate

Rate per second of topic objects operated. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TOPIC_OBJECT_RATE or TOP_R (historical name), Topic Object Rate (caption), Topic_Object_Rate (attribute name), and TOP_R (column name).

MQI Message Statistics Details data set

Use MQI Message Statistics Details attributes to view the detailed information of MQI Message statistics. These attributes are informational only; they cannot be used to create situations. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports).

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Interval End Date & Time

Date and time of the end of the monitoring period. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_END_DATE_AND_TIME or INTED_DTTM (historical name), Interval End Date & Time (caption), Interval_End_Date_and_Time (attribute name), and INTED_DTTM (column name).

Interval Start Date & Time

Date and time of the start of the monitoring period. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_START_DATE_AND_TIME or INTST_DTTM (historical name), Interval Start Date & Time (caption), Interval_Start_Date_and_Time (attribute name), and INTST_DTTM (column name).

Interval Time

Seconds of interval time. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_TIME or INTRVL_TM (historical name), Interval Time (caption), Interval_Time (attribute name), and INTRVL_TM (column name).

MQI Msg Metric

Metric for MQI message. This attribute is a key attribute. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Sample No Longer Available (-1), Puts (0), PutIs (1), Gets (2), Browses (3), Put Bytes (4), Get Bytes (5), Browse Bytes (6), Put Minimum Bytes (7), Put Maximum Bytes (8), Get Minimum Bytes (9), Get Maximum Bytes (10), Browse Minimum Bytes (11), Browse Maximum Bytes (12), Queue Time Average (13), Queue Time Minimum (14), Queue Time Maximum (15). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MQI_MESSAGE_METRIC or MSG_METR (historical name), MQI Msg Metric (caption), MQI_Message_Metric (attribute name), and MSG_METR (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Nonpersistent Msg Count

Number of nonpersistent messages for operation. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NONPERSISTENT_MESSAGE_COUNT_64BIT or NPM_C_64 (historical name), Nonpersistent Msg Count (caption), Nonpersistent_Message_Count_64bit (attribute name), and NPM_C_64 (column name).

Nonpersistent Msg Count (Deprecated)

Number of nonpersistent messages for operation. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NONPERSISTENT_MESSAGE_COUNT or NPM_C (historical name), Nonpersistent Msg Count (Deprecated) (caption), Nonpersistent_Message_Count (attribute name), and NPM_C (column name).

Nonpersistent Msg Rate

Rate per second of nonpersistent messages for operation. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NONPERSISTENT_MESSAGE_RATE or NPM_R (historical name), Nonpersistent Msg Rate (caption), Nonpersistent_Message_Rate (attribute name), and NPM_R (column name).

Persistent Msg Count

Number of persistent messages for operation. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PERSISTENT_MESSAGE_COUNT_64BIT or PM_C_64 (historical name), Persistent Msg Count (caption), Persistent_Message_Count_64bit (attribute name), and PM_C_64 (column name).

Persistent Msg Count (Deprecated)

Number of persistent messages for operation. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PERSISTENT_MESSAGE_COUNT or PM_C (historical name), Persistent Msg Count (Deprecated) (caption), Persistent_Message_Count (attribute name), and PM_C (column name).

Persistent Msg Rate

Rate per second of persistent messages for operation. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PERSISTENT_MESSAGE_RATE or PM_R (historical name), Persistent Msg Rate (caption), Persistent_Message_Rate (attribute name), and PM_R (column name).

Sample Handle

Handle for a sample data record. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SAMPLE_HANDLE or SAMPHDL (historical name), Sample Handle (caption), Sample_Handle (attribute name), and SAMPHDL (column name).

Sample Type

Type of sample for query type. This attribute is a key attribute. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1),

Application Accounting (0), MQI Statistics (1), Queue Accounting (2), Queue Statistics (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SAMPLE_TYPE or SAMPTYPE (historical name), Sample Type (caption), Sample_Type (attribute name), and SAMPTYPE (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

MQI Statistics data set

The MQI Statistics attributes provide the information related to the number of MQI requests issued during a configured interval. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports).

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Backout Count

Number of backouts that are processed, including implicit backouts. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BACKOUT_COUNT or BACKOUT_C (historical name), Backout Count (caption), Backout_Count (attribute name), and BACKOUT_C (column name).

Backout Rate

Rate per second of backouts that are processed, including implicit backouts. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BACKOUT_RATE or BACKOUT_R (historical name), Backout Rate (caption), Backout_Rate (attribute name), and BACKOUT_R (column name).

Browse Byte Rate

Rate per second of bytes that are got nondestructively. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_BYTE_RATE or BRWS_B_R (historical name), Browse Byte Rate (caption), Browse_Byte_Rate (attribute name), and BRWS_B_R (column name).

Browse Bytes

Total number of bytes that are got nondestructively. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_BYTES_64BIT or BRWS_B_C64 (historical name), Browse Bytes (caption), Browse_Bytes_64bit (attribute name), and BRWS_B_C64 (column name).

Browse Bytes (Deprecated)

Total number of bytes that are got nondestructively. The type is string.

The following names are defined for this attribute: BROWSE_BYTES or BRWS_B_CS (historical name), Browse Bytes (Deprecated) (caption), Browse_Bytes (attribute name), and BRWS_B_CS (column name).

Browse Count

Count of non-destructive gets for messages. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_COUNT or BRWS_C (historical name), Browse Count (caption), Browse_Count (attribute name), and BRWS_C (column name).

Browse Fail Count

Number of unsuccessful non-destructive gets. The valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_FAIL_COUNT or BRWS_FL_C (historical name), Browse Fail Count (caption), Browse_Fail_Count (attribute name), and BRWS_FL_C (column name).

Browse Fail Rate

Rate per second of unsuccessful non-destructive gets. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_FAIL_RATE or BRWS_FL_R (historical name), Browse Fail Rate (caption), Browse_Fail_Rate (attribute name), and BRWS_FL_R (column name).

Browse Rate

Rate per second of non-destructive gets for messages. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_RATE or BRWS_R (historical name), Browse Rate (caption), Browse_Rate (attribute name), and BRWS_R (column name).

Close Count

Count of objects that are closed. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLOSE_COUNT or CLS_C (historical name), Close Count (caption), Close_Count (attribute name), and CLS_C (column name).

Close Fail Count

Count of objects that are closed with failure. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLOSE_FAIL_COUNT or CFL_C (historical name), Close Fail Count (caption), Close_Fail_Count (attribute name), and CFL_C (column name).

Close Fail Rate

Rate per second of unsuccessful attempts to close queue objects. The valid format is a floating point number. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLOSE_FAIL_RATE or CFL_R (historical name), Close Fail Rate (caption), Close_Fail_Rate (attribute name), and CFL_R (column name).

Close Rate

Rate per second of objects that are closed. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLOSE_RATE or CLS_R (historical name), Close Rate (caption), Close_Rate (attribute name), and CLS_R (column name).

Command Level

Queue manager command level. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: COMMAND_LEVEL or CMD_LEVEL (historical name), Command Level (caption), Command_Level (attribute name), and CMD_LEVEL (column name).

Commit Count

Number of successful transactions. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: COMMIT_COUNT or COMMIT_C (historical name), Commit Count (caption), Commit_Count (attribute name), and COMMIT_C (column name).

Commit Fail Count

Number of unsuccessful attempts to complete a transaction. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: COMMIT_FAIL_COUNT or CMMT_FL_C (historical name), Commit Fail Count (caption), Commit_Fail_Count (attribute name), and CMMT_FL_C (column name).

Commit Fail Rate

Rate per second of unsuccessful attempts to complete a transaction. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: COMMIT_FAIL_RATE or CMMT_FL_R (historical name), Commit Fail Rate (caption), Commit_Fail_Rate (attribute name), and CMMT_FL_R (column name).

Commit Rate

Rate per second of successful transactions. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: COMMIT_RATE or COMMIT_R (historical name), Commit Rate (caption), Commit_Rate (attribute name), and COMMIT_R (column name).

Connection Count

Number of successful connections to the queue manager. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CONNECTION_COUNT or CONN_C (historical name), Connection Count (caption), Connection_Count (attribute name), and CONN_C (column name).

Connection Fail Count

Number of unsuccessful connection attempts. The type is real number (32-bit numeric property) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CONNECTION_FAIL_COUNT or CONN_FL_C (historical name), Connection Fail Count (caption), Connection_Fail_Count (attribute name), and CONN_FL_C (column name).

Connection Fail Rate

Rate per second of unsuccessful connection attempts. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CONNECTION_FAIL_RATE or CONN_FL_R (historical name), Connection Fail Rate (caption), Connection_Fail_Rate (attribute name), and CONN_FL_R (column name).

Connection Rate

Rate per second of successful connections to the queue manager. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CONNECTION_RATE or CONN_R (historical name), Connection Rate (caption), Connection_Rate (attribute name), and CONN_R (column name).

Expired Msg Count

Number of messages that are discarded because of expiration. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EXPIRED_MESSAGE_COUNT or MSG_EXP_C (historical name), Expired Msg Count (caption), Expired_Message_Count (attribute name), and MSG_EXP_C (column name).

Expired Msg Rate

Rate per second of messages that are discarded because of expiration. Valid format is a floating point number. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EXPIRED_MESSAGE_RATE or MSG_EXP_R (historical name), Expired Msg Rate (caption), Expired_Message_Rate (attribute name), and MSG_EXP_R (column name).

Get Byte Rate

Rate per second of bytes that are got destructively. Valid format is a floating point number. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_BYTE_RATE or GET_B_R (historical name), Get Byte Rate (caption), Get_Byte_Rate (attribute name), and GET_B_R (column name).

Get Bytes

Total number of bytes that are got destructively. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_BYTES_64BIT or GET_B_C64 (historical name), Get Bytes (caption), Get_Bytes_64bit (attribute name), and GET_B_C64 (column name).

Get Bytes (Deprecated)

Total number of bytes that are got destructively. The type is string.

The following names are defined for this attribute: GET_BYTES or GET_B_CS (historical name), Get Bytes (Deprecated) (caption), Get_Bytes (attribute name), and GET_B_CS (column name).

Get Count

Count of gets. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_COUNT or GET_C (historical name), Get Count (caption), Get_Count (attribute name), and GET_C (column name).

Get Fail Count

Number of unsuccessful destructive gets. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_FAIL_COUNT or GET_FL_C (historical name), Get Fail Count (caption), Get_Fail_Count (attribute name), and GET_FL_C (column name).

Get Fail Rate

Date per second of unsuccessful destructive gets. The valid format is a floating point number. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_FAIL_RATE or GET_FL_R (historical name), Get Fail Rate (caption), Get_Fail_Rate (attribute name), and GET_FL_R (column name).

Get Rate

Rate per second of destructive gets. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_RATE or GET_R (historical name), Get Rate (caption), Get_Rate (attribute name), and GET_R (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Implicit Disconnect Count

Number of implicit disconnections from the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: IMPLICIT_DISCONNECT_COUNT or DSC_IMP_C (historical name), Implicit Disconnect Count (caption), Implicit_Disconnect_Count (attribute name), and DSC_IMP_C (column name).

Implicit Disconnect Rate

Rate per second of implicit disconnections from the queue manager. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: IMPLICIT_DISCONNECT_RATE or DSC_IMP_R (historical name), Implicit Disconnect Rate (caption), Implicit_Disconnect_Rate (attribute name), and DSC_IMP_R (column name).

Inquire Count

Count of successful inquiries for objects. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INQUIRE_COUNT or INQ_C (historical name), Inquire Count (caption), Inquire_Count (attribute name), and INQ_C (column name).

Inquire Fail Count

Number of unsuccessful attempts to inquire objects. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INQUIRE_FAIL_COUNT or IFL_C (historical name), Inquire Fail Count (caption), Inquire_Fail_Count (attribute name), and IFL_C (column name).

Inquire Fail Rate

Rate per second of unsuccessful attempts to inquire objects. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INQUIRE_FAIL_RATE or IFL_R (historical name), Inquire Fail Rate (caption), Inquire_Fail_Rate (attribute name), and IFL_R (column name).

Inquire Rate

Rate per second of successful inquires for objects. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INQUIRE_RATE or INQ_R (historical name), Inquire Rate (caption), Inquire_Rate (attribute name), and INQ_R (column name).

Interval End Date & Time

Date and time of the end of the monitoring period. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_END_DATE_AND_TIME or INTED_DTTM (historical name), Interval End Date & Time (caption), Interval_End_Date_and_Time (attribute name), and INTED_DTTM (column name).

Interval Start Date & Time

Date and time of the start of the monitoring period. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_START_DATE_AND_TIME or INTST_DTTM (historical name), Interval Start Date & Time (caption), Interval_Start_Date_and_Time (attribute name), and INTST_DTTM (column name).

Interval Time

Seconds of interval time. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_TIME or INTRVL_TM (historical name), Interval Time (caption), Interval_Time (attribute name), and INTRVL_TM (column name).

Max Concurrent Connections

Maximum number of concurrent connections in the recording interval. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MAXIMUM_CONCURRENT_CONNECTIONS or CONN_MAX (historical name), Max Concurrent Connections (caption), Maximum_Concurrent_Connections (attribute name), and CONN_MAX (column name).

Note The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Normal Disconnect Count

Number of normal disconnections from the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NORMAL_DISCONNECT_COUNT or DSC_NRM_C (historical name), Normal Disconnect Count (caption), Normal_Disconnect_Count (attribute name), and DSC_NRM_C (column name).

Normal Disconnect Rate

Rate per second of normal disconnections from the queue manager. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NORMAL_DISCONNECT_RATE or DSC_NRM_R (historical name), Normal Disconnect Rate (caption), Normal_Disconnect_Rate (attribute name), and DSC_NRM_R (column name).

Open Count

Count of objects that are opened. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_COUNT or OPN_C (historical name), Open Count (caption), Open_Count (attribute name), and OPN_C (column name).

Open Fail Count

Count of objects that are opened with failure. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_FAIL_COUNT or OFL_C (historical name), Open Fail Count (caption), Open_Fail_Count (attribute name), and OFL_C (column name).

Open Fail Rate

Rate per second of unsuccessful attempts to open objects. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_FAIL_RATE or OFL_R (historical name), Open Fail Rate (caption), Open_Fail_Rate (attribute name), and OFL_R (column name).

Open Rate

Rate per second of objects that are opened. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_RATE or OPN_R (historical name), Open Rate (caption), Open_Rate (attribute name), and OPN_R (column name).

Purge Count

Number of messages that are purged. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PURGE_COUNT or PURGE_C (historical name), Purge Count (caption), Purge_Count (attribute name), and PURGE_C (column name).

Purge Rate

Rate per second of messages that are purged. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PURGE_RATE or PURGE_R (historical name), Purge Rate (caption), Purge_Rate (attribute name), and PURGE_R (column name).

Put Byte Rate

Rate per second of bytes that are put for messages. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_BYTE_RATE or PUT_B_R (historical name), Put Byte Rate (caption), Put_Byte_Rate (attribute name), and PUT_B_R (column name).

Put Bytes

Total number of bytes that are put for messages. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_BYTES_64BIT or PUT_B_C64 (historical name), Put Bytes (caption), Put_Bytes_64bit (attribute name), and PUT_B_C64 (column name).

Put Bytes (Deprecated)

Total number of bytes that are put for messages. The type is string.

The following names are defined for this attribute: PUT_BYTES or PUT_B_CS (historical name), Put Bytes (Deprecated) (caption), Put_Bytes (attribute name), and PUT_B_CS (column name).

Put Count

Count of puts. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_COUNT or PUT_C (historical name), Put Count (caption), Put_Count (attribute name), and PUT_C (column name).

Put Fail Count

Number of unsuccessful attempts to put a message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_FAIL_COUNT or PUT_FAIL_C (historical name), Put Fail Count (caption), Put_Fail_Count (attribute name), and PUT_FAIL_C (column name).

Put Fail Rate

Rate per second of unsuccessful attempts to put a message. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_FAIL_RATE or PUT_FAIL_R (historical name), Put Fail Rate (caption), Put_Fail_Rate (attribute name), and PUT_FAIL_R (column name).

Put Rate

Rate per second of messages that are successfully put to a queue. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_RATE or PUT_R (historical name), Put Rate (caption), Put_Rate (attribute name), and PUT_R (column name).

Put1 Count

Count of messages that are put by the MQPUT1 call. The valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_COUNT or PUT1_C (historical name), Put1 Count (caption), Put1_Count (attribute name), and PUT1_C (column name).

Put1 Fail Count

Number of unsuccessful attempts to put a message using MQPUT1 calls. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_FAIL_COUNT or PUT1_FL_C (historical name), Put1 Fail Count (caption), Put1_Fail_Count (attribute name), and PUT1_FL_C (column name).

Put1 Fail Rate

Rate per second of unsuccessful attempts to put a message using MQPUT1 calls. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_FAIL_RATE or PUT1_FL_R (historical name), Put1 Fail Rate (caption), Put1_Fail_Rate (attribute name), and PUT1_FL_R (column name).

Put1 Rate

Rate per second of messages that are put to queue by the MQPUT1 call. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_RATE or PUT1_R (historical name), Put1 Rate (caption), Put1_Rate (attribute name), and PUT1_R (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Query Type

Type of a SQL query. Current = 0, Recent = 1, Historical = 2. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Current (0), Recent (1), Historical (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUERY_TYPE or QUERYTYPE (historical name), Query Type (caption), Query_Type (attribute name), and QUERYTYPE (column name).

Queue Manager Disconnect Count

Number of QMgr disconnections from the queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QUEUE_MANAGER_DISCONNECT_COUNT` or `DSC_QMGR_C` (historical name), Queue Manager Disconnect Count (caption), `Queue_Manager_Disconnect_Count` (attribute name), and `DSC_QMGR_C` (column name).

Queue Manager Disconnect Rate

Rate per second of QMgr disconnections from the queue manager. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QUEUE_MANAGER_DISCONNECT_RATE` or `DSC_QMGR_R` (historical name), Queue Manager Disconnect Rate (caption), `Queue_Manager_Disconnect_Rate` (attribute name), and `DSC_QMGR_R` (column name).

Sample Handle

Handle for a sample data record. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SAMPLE_HANDLE` or `SAMPHDL` (historical name), Sample Handle (caption), `Sample_Handle` (attribute name), and `SAMPHDL` (column name).

Set Count

Count of successful MQSET calls. The valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SET_COUNT` or `SET_C` (historical name), Set Count (caption), `Set_Count` (attribute name), and `SET_C` (column name).

Set Fail Count

Count of unsuccessful MQSET calls. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SET_FAIL_COUNT` or `SFL_C` (historical name), Set Fail Count (caption), `Set_Fail_Count` (attribute name), and `SFL_C` (column name).

Set Fail Rate

Rate per second of unsuccessful MQSET calls. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SET_FAIL_RATE` or `SFL_R` (historical name), Set Fail Rate (caption), `Set_Fail_Rate` (attribute name), and `SFL_R` (column name).

Set Rate

Rate per second of successful MQSET calls. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SET_RATE` or `SET_R` (historical name), Set Rate (caption), `Set_Rate` (attribute name), and `SET_R` (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: `TIMESTAMP` (historical name), `Timestamp` (caption), `Timestamp` (attribute name), and `TIMESTAMP` (column name).

MQSeries Events data set

The MQSeries Events attributes provide information about MQ events. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports).

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Appl ID

The application identifier that is associated with the event or message. The type is string.

The following names are defined for this attribute: `APPLICATION_IDENTIFIER` or `EVAP_NAME` (historical name), `Appl ID` (caption), `Application_Identifier` (attribute name), and `EVAP_NAME` (column name).

Appl Type

The application type associated with the event or message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), Unknown (-1), NoContext (0), CICS (1), MVS (2), IMS (3), OS2 (4), DOS (5), UNIX (6), QMGR (7), OS400 (8), WINDOWS (9), CICS VSE (10), WINDOWS NT (11), VMS (12), GUARDIAN (13), VOS (14), IMS BRIDGE (19), XCF (20), CICS BRIDGE (21), NOTES AGENT (22), USER (25), BROKER (26), QMGR PUBLISH (27), JAVA (28), DQM (29), CHINIT (30), WLM (31), BATCH (32), RRS BATCH (33), SIB (34), SYSTEMEXT (35), MCAST PUBLISH (36), SYSTEM (101), USER FIRST (65536). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `APPLICATION_TYPE` or `EVAP_TYPE` (historical name), `Appl Type` (caption), `Application_Type` (attribute name), and `EVAP_TYPE` (column name).

Event The description of the outstanding MQ event (for example, `Channel_Stopped`). This attribute is a key attribute. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Alias Base Queue Type Error (2001), Get Inhibited (2016), Not Authorized (2035), Put Inhibited (2051), Queue Full (2053), Queue Type Error (2057), Unknown Alias Base Queue (2082), Unknown Object Name (2085), Unknown Remote Queue Manager (2087), Transmission Queue Type Error (2091), Transmission Queue Usage Error (2092), Bridge Started (2125), Bridge Stopped (2126), Remote Queue Name Error (2184), Unknown Transmission Queue (2196), Unknown Default Xmit Queue (2197), Default Xmit Queue Type Error (2198), Default Xmit Queue Usage Error (2199), Queue Manager Active (2222), Queue Manager Not Active (2223), Queue Depth High (2224), Queue Depth Low (2225), Queue Service Interval High (2226), Queue Service Interval OK (2227), Channel Auto Definition OK (2233), Channel Auto Definition Error (2234), Channel Stopped By User (2279), Channel Started (2282), Channel Stopped (2283), Channel Conversion Error (2284), Channel Activated (2295), Channel Not Activated (2296), Configuration Create Object (2367), Configuration Change Object (2368), Configuration Delete Object (2369), Configuration Refresh Object (2370), Channel SSL Error (2371), Logger (2411), Command MQSC (2412), Command PCF (2413), Channel Blocked (2577), Channel Blocked Warning (2578), Subscription Create (2579), Subscription Delete (2580), Subscription Change (2581), Subscription Refresh (2582), Installation Mismatch (2583), Not Privileged (2584), Properties Disabled (2586), Hmsg Not Available (2587), Exit Props Not Supported (2588), Installation Missing (2589), Fastpath Not Available (2590), Cipher Spec Not Suite B (2591), Suite B Error (2592), Reopen Excl Input Error (6100), Reopen Inquire Error (6101), Reopen Saved Context Err (6102), Reopen Temporary Q Error (6103), Attribute Locked (6104), Cursor Not Valid (6105), Encoding Errro (6106), Struc Id Error (6107), Null Pointer (6108), No Connection Reference (6109), No Buffer (6110), Binary Data Length Error (6111), Buffer Not Automatic (6112), Insufficient Buffer (6113), Insufficient Data (6114), Data Truncated (6115), Zero Length (6116), Negative Length (6117), Negative Offset (6118), Inconsistent Format (6119),

Inconsistent Object State (6120), Context Object Not Valid (6121), Context Open Error (6122), Struct Length Error (6123), Not Connected (6124), Not Open (6125), Distribution List Empty (6126), Inconsistent Open Options (6127), Wrong Version (6128), Reference Error (6129), XR Not Available (6130), Queue Not Full (1002053). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT or EVENT_NAME (historical name), Event (caption), Event (attribute name), and EVENT_NAME (column name).

Event Date & Time

The time and date the event was posted to the MQ event queue. This attribute is a key attribute. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EVENT_DATE_AND_TIME or EVDAT_TIME (historical name), Event Date & Time (caption), Event_Date_and_Time (attribute name), and EVDAT_TIME (column name).

Event Host Name

The name of the host system on which this event occurred, which is not necessarily the host system reporting the event. The type is string.

The following names are defined for this attribute: EVENT_HOST_NAME or ORIG_HOST (historical name), Event Host Name (caption), Event_Host_Name (attribute name), and ORIG_HOST (column name).

Event QMgr Name

The name of the queue manager on which this event occurred, which is not necessarily the queue manager reporting the event. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: EVENT_MQ_MANAGER_NAME or ORIG_QMGR (historical name), Event QMgr Name (caption), Event_MQ_Manager_Name (attribute name), and ORIG_QMGR (column name).

Event Qualifier

This describes the condition that generated the event. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), Connection Not Authorized (1), Open Not Authorized (2), Close Not Authorized (3), Command Not Authorized (4), Queue Manager Stopping (5), Queue Manager Quiescing (6), Channel Stopped OK (7), Channel Stopped Error (8), Channel Stopped Retry (9), Channel Stopped Disabled (10), Bridge Stopped OK (11), Bridge Stopped Error (12), SSL Handshake Error (13), SSL Cipher Spec Error (14), SSL Client Auth Error (15), SSL Peer Name Error (16), Sub Not Authorized (17), Sub Dest Not Authorized (18), Ssl Unknown Revocation (19), Sys Conn Not Authorized (20), Channel Blocked Address (21), Channel Blocked Userid (22), Channel Blocked Noaccess (23), Max Active Channels (24), Max Channels (25), Svrconn Inst Limit (26), Client Inst Limit (27), Caf Not Installed (28), COMMAND NONE (1000), Change Queue Manager (1001), Inquire Queue Manager (1002), Change Process (1003), Copy Process (1004), Create Process (1005), Delete Process (1006), Inquire Process (1007), Change Queue (1008), Clear Queue (1009), Copy Queue (1010), Create Queue (1011), Delete Queue (1012), Inquire Queue (1013), Refresh Queue Manager (1016), Reset Queue Stats (1017), Inquire Queue Names (1018), Inquire Process Names (1019), Inquire Channel Names (1020), Change Channel (1021), Copy Channel (1022), Create Channel (1023), Delete Channel (1024), Inquire Channel (1025), Ping Channel (1026), Reset Channel (1027), Start Channel (1028), Stop Channel (1029), Start Channel Initiator (1030), Start Channel Listener (1031), Change Namelist (1032), Copy Namelist (1033), Create Namelist (1034), Delete Namelist (1035), Inquire Namelist (1036), Inquire Namelist Names (1037), Escape (1038), Resolve Channel (1039), Ping Queue Manager (1040), Inquire Queue Status (1041), Inquire Channel Status (1042), Config Event (1043), Queue Manager Event (1044), Performance Event (1045), Channel Event (1046), Delete Publication (1060), Deregister Publisher (1061), Deregister Subscriber (1062), Publish (1063), Register Publisher (1064), Register Subscriber (1065), Request Update (1066), Broker Internal

(1067), Activity Message (1069), Inquire Cluster Queue Manager (1070), Resume Queue Manager Cluster (1071), Suspend Queue Manager Cluster (1072), Refresh Cluster (1073), Reset Cluster (1074), Trace Route (1075), Refresh Security (1078), Change Authentication Information (1079), Copy Authentication Information (1080), Create Authentication Information (1081), Delete Authentication Information (1082), Inquire Authentication Information (1083), Inquire Authentication Information Names (1084), Inquire Connection (1085), Stop Connection (1086), Inquire Authority Records (1087), Inquire Entity Auth (1088), Delete Authority Records (1089), Set Authority Records (1090), Logger Event (1091), Reset Queue Manager (1092), Change Listener (1093), Copy Listener (1094), Create Listener (1095), Delete Listener (1096), Inquire Listener (1097), Inquire Listener Status (1098), Command Event (1099), Change Security (1100), Change CF Structure (1101), Change Storage Class (1102), Change Trace (1103), Archive Log (1104), Backup CF Structure (1105), Create Buffer Pool (1106), Create Page Set (1107), Create CF Structure (1108), Create Storage Class (1109), Copy CF Structure (1110), Copy Storage Class (1111), Delete CF Structure (1112), Delete Storage Class (1113), Inquire Archive (1114), Inquire CF Structure (1115), Inquire CF Structure Status (1116), Inquire Command Server (1117), Inquire Channel Init (1118), Inquire QSG (1119), Inquire Log (1120), Inquire Security (1121), Inquire Storage Class (1122), Inquire System (1123), Inquire Thread (1124), Inquire Trace (1125), Inquire Usage (1126), Move Queue (1127), Recover BSDS (1128), Recover CF Structure (1129), Reset Tpipe (1130), Resolve Indoubt (1131), Resume Queue Manager (1132), Reverify Security (1133), Set Archive (1134), Set Log (1136), Set System (1137), Start Command Server (1138), Start Queue Manager (1139), Start Trace (1140), Stop Channel Init (1141), Stop Channel Listener (1142), Stop Command Server (1143), Stop Queue Manager (1144), Stop Trace (1145), Suspend Queue Manager (1146), Inquire CF Structure Names (1147), Inquire Storage Class Names (1148), Change Service (1149), Copy Service (1150), Create Service (1151), Delete Service (1152), Inquire Service (1153), Inquire Service Status (1154), Start Service (1155), Stop Service (1156), Delete Buffer Pool (1157), Delete Page Set (1158), Change Buffer Pool (1159), Change Page Set (1160), Inquire Queue Manager Status (1161), Create Log (1162), Statistics MQI (1164), Statistics Queue (1165), Statistics Channel (1166), Accounting MQI (1167), Accounting Queue (1168), Inquire Authority Service (1169), Attributes Before Change (1000001), Attributes After Change (1000002), Change Topic (1170), Copy Topic (1171), Create Topic (1172), Delete Topic (1173), Inquire Topic (1174), Inquire Topic Names (1175), Inquire Subscription (1176), Create Subscription (1177), Change Subscription (1178), Delete Subscription (1179), Clear Subscription (1180), Copy Subscription (1181), Inquire SBStatus (1182), Inquire Topic Status (1183), Clear Topic String (1184), Inquire PubSub Status (1185), Inquire SMDS (1186), Change SMDS (1187), Reset SMDS (1188), Create Communication Information (1190), Inquire Communication Information (1191), Change Communication Information (1192), Copy Communication Information (1193), Delete Communication Information (1194), Purge Channel (1195), MQXR Diagnostics (1196), Start SMDS Connection (1197), Stop SMDS Connection (1198), Inquire SMDS Connection (1199), Inquire MQXR Status (1200), Start Client Trace (1201), Stop Client Trace (1202), Set Channel Authentication Record (1203), Inquire Channel Authentication Records (1204), Inquire Prot Policy (1205), Create Prot Policy (1206), Delete Prot Policy (1207), Change Prot Policy (1208), Activity Trace (1209), Reset CF Structure (1213), Inquire XR Capability (1214). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `EVENT_QUALIFIER` or `EVENT_QUAL` (historical name), Event Qualifier (caption), `Event_Qualifier` (attribute name), and `EVENT_QUAL` (column name).

Event User ID

The event user ID. The type is string.

The following names are defined for this attribute: `EVENT_USER_ID` or `EV_USERID` (historical name), Event User ID (caption), `Event_User_ID` (attribute name), and `EV_USERID` (column name).

Internal EventID

The internal ID assigned to the event. The type is string.

The following names are defined for this attribute: EVENT_ID (historical name), Internal EventID (caption), Event_ID (attribute name), and EVENT_ID (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Reporting Host Name

The name of the system reporting this event (which is not necessarily the host system on which the event occurred). The type is string.

The following names are defined for this attribute: REPORTING_HOST_NAME or HOST_NAME (historical name), Reporting Host Name (caption), Reporting_Host_Name (attribute name), and HOST_NAME (column name).

Reporting Qmgr Name

The name assigned to the queue manager reporting this event (which is not necessarily the queue manager on which the event occurred). The type is string.

The following names are defined for this attribute: REPORTING_MQ_MANAGER_NAME or QMNAME (historical name), Reporting Qmgr Name (caption), Reporting_MQ_Manager_Name (attribute name), and QMNAME (column name).

Resource Name

The name of the MQ resource (channel or queue) on which the event occurred. The type is string.

The following names are defined for this attribute: RESOURCE_NAME_U or UEV_RESRC (historical name), Resource Name (caption), Resource_Name_U (attribute name), and UEV_RESRC (column name).

Resource Name (Deprecated)

The name of the MQ resource (channel or queue) on which the event occurred. This attribute has been deprecated. The type is string.

The following names are defined for this attribute: RESOURCE_NAME or EV_RESRC (historical name), Resource Name (Deprecated) (caption), Resource_Name (attribute name), and EV_RESRC (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Namelist data set

Use the Namelist attributes to view data associated with namelists, including namelist name, count, and description. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Alter Date & Time

The date and time the namelist definition was last altered. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ALTER_DATE_AND_TIME or NLALDITM (historical name), Alter Date & Time (caption), Alter_Date_and_Time (attribute name), and NLALDITM (column name).

Description

The namelist description. The type is string.

The following names are defined for this attribute: DESCRIPTION_U or UNLDESC (historical name), Description (caption), Description_U (attribute name), and UNLDESC (column name).

Description (Deprecated)

The namelist description. The type is string.

The following names are defined for this attribute: DESCRIPTION or NLDESC (historical name), Description (Deprecated) (caption), Description (attribute name), and NLDESC (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Name Count

The number of names in the namelist. The type is integer (32-bit numeric property).

The following names are defined for this attribute: NAME_COUNT or NLCOUNT (historical name), Name Count (caption), Name_Count (attribute name), and NLCOUNT (column name).

Namelist Name

The name of the namelist. The type is string.

The following names are defined for this attribute: NAMELIST_NAME or NAMELIST (historical name), Namelist Name (caption), Namelist_Name (attribute name), and NAMELIST (column name).

Names

The names in the namelist, separated by blanks. The type is string.

The following names are defined for this attribute: NAMES or NLNAMES (historical name), Names (caption), Names (attribute name), and NLNAMES (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

QMgr Name

The name assigned to this queue manager. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Object Attribute Details data set

Use the Object Attribute Details data set to view attribute details for a topic or subscription. These attributes are informational only; they cannot be used to create situations. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Attribute Name

The attribute name. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: ... (0), Topic String (1), Subscription Name (2), User Data (3), Selector (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `ATTRIBUTE_NAME` or `ATTR_NAME` (historical name), Attribute Name (caption), `Attribute_Name` (attribute name), and `ATTR_NAME` (column name).

Attribute Type

Identifies the source of the object. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `ATTRIBUTE_TYPE` or `ATTR_TYPE` (historical name), Attribute Type (caption), `Attribute_Type` (attribute name), and `ATTR_TYPE` (column name).

Attribute Unique ID

The name of the application subscription. The type is string.

The following names are defined for this attribute: `ATTRIBUTE_UNIQUE_IDENTIFIER` or `ATTRUID` (historical name), Attribute Unique ID (caption), `Attribute_Unique_Identifier` (attribute name), and `ATTRUID` (column name).

Attribute Value

The attribute value. The type is string.

The following names are defined for this attribute: `ATTRIBUTE_VALUE_U` or `UATTR_VAL` (historical name), Attribute Value (caption), `Attribute_Value_U` (attribute name), and `UATTR_VAL` (column name).

Host Name

Name of the system on which the queue manager is running. The type is string.

The following names are defined for this attribute: `HOST_NAME` (historical name), Host Name (caption), `Host_Name` (attribute name), and `HOST_NAME` (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `NODE` (historical name), Node (caption), `ORIGINNODE` (attribute name), and `ORIGINNODE` (column name).

QMgr Name

Name of the queue manager. The type is string.

The following names are defined for this attribute: `MQ_MANAGER_NAME` or `QMNAME` (historical name), QMgr Name (caption), `MQ_Manager_Name` (attribute name), and `QMNAME` (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: `TIMESTAMP` (historical name), Timestamp (caption), `Timestamp` (attribute name), and `TIMESTAMP` (column name).

Topic Name

A symbol that is used to link to Topic String Details from Topic Definitions only. The type is string.

The following names are defined for this attribute: `TOPIC_NAME` or `TPCNAME` (historical name), Topic Name (caption), `Topic_Name` (attribute name), and `TPCNAME` (column name).

Topic String

The topic string, which comprises the tree node names that make up the topic. For example, `/news/ibm/hursley/`. The type is string.

The following names are defined for this attribute: TOPIC_STRING_U or UTOPICSTR (historical name), Topic String (caption), Topic_String_U (attribute name), and UTOPICSTR (column name).

Publish Subscribe Status data set

The Publish Subscribe Status attributes provide status information about the publish-subscribe engine. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Host Name

Name of the system where the queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Pub Sub Status

The status of the publish-subscribe engine. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Inactive (0), Starting (1), Stopping (2), Active (3), Compat (4), Error (5), Refused (6). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBLISH_SUBSCRIBE_STATUS or PSSTATUS (historical name), Pub Sub Status (caption), Publish_Subscribe_Status (attribute name), and PSSTATUS (column name).

Pub Sub Type

The type of the publish-subscribe engine. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Local (1), Parent (2), Child (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBLISH_SUBSCRIBE_TYPE or PSTYPE (historical name), Pub Sub Type (caption), Publish_Subscribe_Type (attribute name), and PSTYPE (column name).

QMgr Name

Name of the queue manager. The valid format is an alphanumeric string of up to 48 case-sensitive characters. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Queue Accounting data set

The Queue Accounting attributes provide the information related to the number of MQI requests that are executed using connections to a queue manager, with respect to specific queues. This data is collected in the background when it is published by the queue manager (in events or accounting and statistics reports).

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Application Name

Name of the application. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: APPLICATION_NAME or APP_NAME (historical name), Application Name (caption), Application_Name (attribute name), and APP_NAME (column name).

Browse Byte Rate

Rate per second of bytes that are got nondestructively. The valid format is a floating point number. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_BYTE_RATE or BRWS_B_R (historical name), Browse Byte Rate (caption), Browse_Byte_Rate (attribute name), and BRWS_B_R (column name).

Browse Bytes

Total number of bytes that are got nondestructively. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_BYTES_64BIT or BRWS_B_C64 (historical name), Browse Bytes (caption), Browse_Bytes_64bit (attribute name), and BRWS_B_C64 (column name).

Browse Bytes (Deprecated)

Total number of bytes that are got nondestructively. The type is string.

The following names are defined for this attribute: BROWSE_BYTES or BRWS_B_CS (historical name), Browse Bytes (Deprecated) (caption), Browse_Bytes (attribute name), and BRWS_B_CS (column name).

Browse Count

Count of non-destructive gets for messages. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_COUNT or BRWS_C (historical name), Browse Count (caption), Browse_Count (attribute name), and BRWS_C (column name).

Browse Fail Count

Number of unsuccessful non-destructive gets. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_FAIL_COUNT or BRWS_FL_C (historical name), Browse Fail Count (caption), Browse_Fail_Count (attribute name), and BRWS_FL_C (column name).

Browse Fail Rate

Rate per second of unsuccessful non-destructive gets. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_FAIL_RATE or BRWS_FL_R (historical name), Browse Fail Rate (caption), Browse_Fail_Rate (attribute name), and BRWS_FL_R (column name).

Browse Max Bytes

Number of bytes of the largest message that is browsed from queue. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_MAXIMUM_BYTES or BRW_MAX_B (historical name), Browse Max Bytes (caption), Browse_Maximum_Bytes (attribute name), and BRW_MAX_B (column name).

Browse Min Bytes

Number of bytes of the smallest message that is browsed from queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_MINIMUM_BYTES or BRW_MIN_B (historical name), Browse Min Bytes (caption), Browse_Minimum_Bytes (attribute name), and BRW_MIN_B (column name).

Browse Rate

Rate per second of unsuccessful non-destructive gets. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BROWSE_RATE or BRWS_R (historical name), Browse Rate (caption), Browse_Rate (attribute name), and BRWS_R (column name).

Close Count

Count of objects that are closed. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLOSE_COUNT or CLOSE_C (historical name), Close Count (caption), Close_Count (attribute name), and CLOSE_C (column name).

Close Date & Time

Date and time of the final close of the queue in this recording interval. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLOSE_DATE_AND_TIME or CLOSE_DTTM (historical name), Close Date & Time (caption), Close_Date_and_Time (attribute name), and CLOSE_DTTM (column name).

Close Rate

Rate per second of times that this queue is closed by application in this interval. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLOSE_RATE or CLOSE_R (historical name), Close Rate (caption), Close_Rate (attribute name), and CLOSE_R (column name).

Command Level

The queue manager command level. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: COMMAND_LEVEL or CMD_LEVEL (historical name), Command Level (caption), Command_Level (attribute name), and CMD_LEVEL (column name).

Connection ID

Connection identifier for the MQ connection. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: CONNECTION_IDENTIFIER or CONNID (historical name), Connection ID (caption), Connection_Identifier (attribute name), and CONNID (column name).

Create Date & Time

Date and time that the queue is created. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CREATE_DATE_AND_TIME or CRT_DTTM (historical name), Create Date & Time (caption), Create_Date_and_Time (attribute name), and CRT_DTTM (column name).

Generated Msg Count

Number of messages that are generated. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GENERATED_MESSAGE_COUNT or GEN_MSG_C (historical name), Generated Msg Count (caption), Generated_Message_Count (attribute name), and GEN_MSG_C (column name).

Generated Msg Rate

Rate per second of messages that are generated. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GENERATED_MESSAGE_RATE or GEN_MSG_R (historical name), Generated Msg Rate (caption), Generated_Message_Rate (attribute name), and GEN_MSG_R (column name).

Get Byte Rate

Rate per second of bytes that are got destructively. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_BYTE_RATE or GET_B_R (historical name), Get Byte Rate (caption), Get_Byte_Rate (attribute name), and GET_B_R (column name).

Get Bytes

Total number of bytes that are got destructively. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_BYTES_64BIT or GET_B_C64 (historical name), Get Bytes (caption), Get_Bytes_64bit (attribute name), and GET_B_C64 (column name).

Get Bytes (Deprecated)

Total number of bytes that are got destructively. The type is string.

The following names are defined for this attribute: GET_BYTES or GET_B_CS (historical name), Get Bytes (Deprecated) (caption), Get_Bytes (attribute name), and GET_B_CS (column name).

Get Count

Count of gets. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_COUNT or GET_C (historical name), Get Count (caption), Get_Count (attribute name), and GET_C (column name).

Get Fail Count

Number of unsuccessful destructive gets. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_FAIL_COUNT or GET_FL_C (historical name), Get Fail Count (caption), Get_Fail_Count (attribute name), and GET_FL_C (column name).

Get Fail Rate

Rate per second of unsuccessful destructive gets. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_FAIL_RATE or GET_FL_R (historical name), Get Fail Rate (caption), Get_Fail_Rate (attribute name), and GET_FL_R (column name).

Get Max Bytes

Number of the largest message that is retrieved from the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_MAXIMUM_BYTES or GET_MAX_B (historical name), Get Max Bytes (caption), Get_Maximum_Bytes (attribute name), and GET_MAX_B (column name).

Get Min Bytes

Number of the smallest message that is retrieved from the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_MINIMUM_BYTES or GET_MIN_B (historical name), Get Min Bytes (caption), Get_Minimum_Bytes (attribute name), and GET_MIN_B (column name).

Get Rate

Rate per second of destructive gets. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_RATE or GET_R (historical name), Get Rate (caption), Get_Rate (attribute name), and GET_R (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Interval End Date & Time

Date and time of the end of the monitoring period. Standard 16-character date/time format (CYYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_END_DATE_AND_TIME or INTED_DTTM (historical name), Interval End Date & Time (caption), Interval_End_Date_and_Time (attribute name), and INTED_DTTM (column name).

Interval Start Date & Time

Date and time of the start of the monitoring period. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_START_DATE_AND_TIME or INTST_DTTM (historical name), Interval Start Date & Time (caption), Interval_Start_Date_and_Time (attribute name), and INTST_DTTM (column name).

Interval Time

Seconds of interval time. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INTERVAL_TIME or INTRVL_TM (historical name), Interval Time (caption), Interval_Time (attribute name), and INTRVL_TM (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Object Count

Number of queues accessed in the interval. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OBJECT_COUNT or OBJ_COUNT (historical name), Object Count (caption), Object_Count (attribute name), and OBJ_COUNT (column name).

Open Count

Count of objects that are opened. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_COUNT or OPEN_C (historical name), Open Count (caption), Open_Count (attribute name), and OPEN_C (column name).

Open Date & Time

Date and time of the queue that is first opened in this recording interval. Standard 16-character date/time format (CYYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_DATE_AND_TIME or OPEN_DTTM (historical name), Open Date & Time (caption), Open_Date_and_Time (attribute name), and OPEN_DTTM (column name).

Open Rate

Rate per second of objects that are opened. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_RATE or OPEN_R (historical name), Open Rate (caption), Open_Rate (attribute name), and OPEN_R (column name).

Process ID

OS process identifier of the application. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PROCESS_IDENTIFIER or APP_PID (historical name), Process ID (caption), Process_Identifier (attribute name), and APP_PID (column name).

Put Byte Rate

Rate per second of bytes that are put for messages. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_BYTE_RATE or PUT_B_R (historical name), Put Byte Rate (caption), Put_Byte_Rate (attribute name), and PUT_B_R (column name).

Put Bytes

Total number of bytes that are put for messages. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_BYTES_64BIT or PUT_B_C64 (historical name), Put Bytes (caption), Put_Bytes_64bit (attribute name), and PUT_B_C64 (column name).

Put Bytes (Deprecated)

Total number of bytes that are put for messages. The type is string.

The following names are defined for this attribute: PUT_BYTES or PUT_B_CS (historical name), Put Bytes (Deprecated) (caption), Put_Bytes (attribute name), and PUT_B_CS (column name).

Put Count

Count of puts. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_COUNT or PUT_C (historical name), Put Count (caption), Put_Count (attribute name), and PUT_C (column name).

Put Fail Count

Number of unsuccessful attempts to put a message. Valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_FAIL_COUNT or PUT_FAIL_C (historical name), Put Fail Count (caption), Put_Fail_Count (attribute name), and PUT_FAIL_C (column name).

Put Fail Rate

Rate per second of unsuccessful attempts to put a message. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_FAIL_RATE or PUT_FAIL_R (historical name), Put Fail Rate (caption), Put_Fail_Rate (attribute name), and PUT_FAIL_R (column name).

Put Max Bytes

Size of the largest message that is placed on the queue. The valid format is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_MAXIMUM_BYTES or PUT_MAX_B (historical name), Put Max Bytes (caption), Put_Maximum_Bytes (attribute name), and PUT_MAX_B (column name).

Put Min Bytes

Size of the smallest message that is placed on the queue. The type is integer (32-bit numeric

property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_MINIMUM_BYTES or PUT_MIN_B (historical name), Put Min Bytes (caption), Put_Minimum_Bytes (attribute name), and PUT_MIN_B (column name).

Put Rate

Rate per second of messages that are successfully put to a queue. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_RATE or PUT_R (historical name), Put Rate (caption), Put_Rate (attribute name), and PUT_R (column name).

Put1 Count

Count of messages that are put by the MQPUT1 call. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_COUNT or PUT1_C (historical name), Put1 Count (caption), Put1_Count (attribute name), and PUT1_C (column name).

Put1 Fail Count

Number of unsuccessful attempts to put a message using MQPUT1 calls. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_FAIL_COUNT or PUT1_FL_C (historical name), Put1 Fail Count (caption), Put1_Fail_Count (attribute name), and PUT1_FL_C (column name).

Put1 Fail Rate

Rate per second of unsuccessful attempts to put a message using MQPUT1 calls. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_FAIL_RATE or PUT1_FL_R (historical name), Put1 Fail Rate (caption), Put1_Fail_Rate (attribute name), and PUT1_FL_R (column name).

Put1 Rate

Rate per second of messages that are put to queue by the MQPUT1 call. The valid format is a floating point number. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT1_RATE or PUT1_R (historical name), Put1 Rate (caption), Put1_Rate (attribute name), and PUT1_R (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Query Type

Type of a SQL query. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Current (0), Recent (1), Historical (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUERY_TYPE or QUERYTYPE (historical name), Query Type (caption), Query_Type (attribute name), and QUERYTYPE (column name).

Queue Def Type

Queue definition type. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (-1), Predefined (1), PermanentDynamic (2), TemporaryDynamic (3), SharedDynamic (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_DEFINITION_TYPE or DEFIN_TYPE (historical name), Queue Def Type (caption), Queue_Definition_Type (attribute name), and DEFIN_TYPE (column name).

Queue Name

Name of the queue. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: QUEUE_NAME or QNAME (historical name), Queue Name (caption), Queue_Name (attribute name), and QNAME (column name).

Queue Time Avg

Average time that a message remains on queue. The type is integer (64-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_TIME_AVERAGE_64BIT or QTIM_AVG64 (historical name), Queue Time Avg (caption), Queue_Time_Average_64bit (attribute name), and QTIM_AVG64 (column name).

Queue Time Avg (Deprecated)

Average time that a message remains on queue. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_TIME_AVERAGE or QTIM_AVG (historical name), Queue Time Avg (Deprecated) (caption), Queue_Time_Average (attribute name), and QTIM_AVG (column name).

Queue Time Max

The longest time that a message remains on queue. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_TIME_MAXIMUM_64BIT or QTIM_MAX64 (historical name), Queue Time Max (caption), Queue_Time_Maximum_64bit (attribute name), and QTIM_MAX64 (column name).

Queue Time Max (Deprecated)

The longest time that a message remains on queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_TIME_MAXIMUM or QTIM_MAX (historical name), Queue Time Max (Deprecated) (caption), Queue_Time_Maximum (attribute name), and QTIM_MAX (column name).

Queue Time Min

The shortest time that a message remains on queue. The type is integer (64-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_TIME_MINIMUM_64BIT or QTIM_MIN64 (historical name), Queue Time Min (caption), Queue_Time_Minimum_64bit (attribute name), and QTIM_MIN64 (column name).

Queue Time Min (Deprecated)

The shortest time that a message remains on queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QUEUE_TIME_MINIMUM` or `QTIM_MIN` (historical name), *Queue Time Min (Deprecated)* (caption), `Queue_Time_Minimum` (attribute name), and `QTIM_MIN` (column name).

Queue Type

The type of the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (-1), Local (1), Model (2), Alias (3), Remote (6), Cluster (7). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QUEUE_TYPE` or `QTYPE` (historical name), *Queue Type* (caption), `Queue_Type` (attribute name), and `QTYPE` (column name).

Sample Handle

The handle for a sample data record. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SAMPLE_HANDLE` or `SAMPHDL` (historical name), *Sample Handle* (caption), `Sample_Handle` (attribute name), and `SAMPHDL` (column name).

Sequence Number

The sequence number. The type is integer (32-bit counter) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SEQUENCE_NUMBER` or `SEQ_NUM` (historical name), *Sequence Number* (caption), `Sequence_Number` (attribute name), and `SEQ_NUM` (column name).

Thread ID

The MQ thread identifier of the connection in the application. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `THREAD_IDENTIFIER` or `APP_TID` (historical name), *Thread ID* (caption), `Thread_Identifier` (attribute name), and `APP_TID` (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: `TIMESTAMP` (historical name), *Timestamp* (caption), `Timestamp` (attribute name), and `TIMESTAMP` (column name).

User ID

The user identifier context of the application. The type is string.

The following names are defined for this attribute: `USER_IDENTIFIER` or `USER_ID` (historical name), *User ID* (caption), `User_Identifier` (attribute name), and `USER_ID` (column name).

Queue Data data set

The Queue Data attributes provide detailed information about a cluster queue. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values. A data sample is sent to the server every minute and is maintained for 8 days by default.

The attributes shown in *italics* are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

% Full Current depth full percentage with one decimal place. The type is real number (32-bit gauge) with one decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PERCENT_FULL or QPCTFULL (historical name), % Full (caption), Percent_Full (attribute name), and QPCTFULL (column name).

Current Depth

Current depth of the queue. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENT_DEPTH or QCURDEP (historical name), *Current Depth* (caption), Current_Depth (attribute name), and QCURDEP (column name).

Get Status

Indicates whether gets are enabled for the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Enabled (0), Disabled (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_STATUS or QGET_INH (historical name), *Get Status* (caption), Get_Status (attribute name), and QGET_INH (column name).

High Depth Threshold %

The queue depth threshold at which a high depth event is triggered, represented as a percentage to one decimal place. The type is real number (32-bit gauge) with one decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: HIGH_DEPTH_THRESHOLD_PERCENT or QDEPTHRPCT (historical name), *High Depth Threshold %* (caption), High_Depth_Threshold_Percent (attribute name), and QDEPTHRPCT (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), *Host Name* (caption), Host_Name (attribute name), and HOST_NAME (column name).

Input Opens

Number of handles that are open for input. Only the handles for the queue managers sending back the information are returned, not for the whole group. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: INPUT_OPENS or QIPOPENS (historical name), *Input Opens* (caption), Input_Opens (attribute name), and QIPOPENS (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Output Opens

Number of handles that are open for output. Only the handles for the queue managers sending back the information are returned, not for the whole group. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OUTPUT_OPENS or QOPOPENS (historical name), *Output Opens* (caption), Output_Opens (attribute name), and QOPOPENS (column name).

Put Status

Indicates whether the current queue is enabled for puts (that is, whether applications may call MQ API routines MQPUT or MQPUT1 for this queue). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Enabled (0), Disabled (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_STATUS or QPUT_INH (historical name), *Put Status* (caption), Put_Status (attribute name), and QPUT_INH (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), *QMgr Name* (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Queue Name

The name of a queue that is managed by the selected queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: QUEUE_NAME or QNAME (historical name), *Queue Name* (caption), Queue_Name (attribute name), and QNAME (column name).

Queue Type

Type of the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (0), Local (1), Model (2), Alias (3), Remote (6), Cluster (7). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_TYPE or QTYPE (historical name), *Queue Type* (caption), Queue_Type (attribute name), and QTYPE (column name).

Queue Usage

Usage of the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Normal (0), XmitQ (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_USAGE or QUSAGE (historical name), *Queue Usage* (caption), Queue_Usage (attribute name), and QUSAGE (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Alter Date & Time

The date and time that the queue definition is last altered. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ALTER_DATE_AND_TIME or ALTDAT_TIM (historical name), **Alter Date & Time** (caption), Alter_Date_and_Time (attribute name), and ALTDAT_TIM (column name).

CF Struct Name

Not applicable to the current monitoring agent. The name of the Coupling Facility application structure for this queue. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: CF_STRUCTURE_NAME or STRNAME (historical name), **CF Struct Name** (caption), CF_Structure_Name (attribute name), and STRNAME (column name).

Cluster

The name of the cluster to which the queue belongs. The type is string.

The following names are defined for this attribute: CLUSTER or QCLUSTER (historical name), Cluster (caption), Cluster (attribute name), and QCLUSTER (column name).

Cluster Channel Name

The cluster channel name for the queue. The type is string.

The following names are defined for this attribute: CLUSTER_CHANNEL_NAME or CLCHNAME (historical name), Cluster Channel Name (caption), Cluster_Channel_Name (attribute name), and CLCHNAME (column name).

Cluster Date & Time

The date and time that the cluster queue definition is made available. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_DATE_AND_TIME or CLDAT_TIM (historical name), Cluster Date & Time (caption), Cluster_Date_and_Time (attribute name), and CLDAT_TIM (column name).

Cluster Namelist

The name of the namelist that specifies a list of clusters to which the queue belongs. The type is string.

The following names are defined for this attribute: CLUSTER_NAMELIST or QCLUSNL (historical name), Cluster Namelist (caption), Cluster_Namelist (attribute name), and QCLUSNL (column name).

Cluster Queue Type

Type of the cluster queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Local (1), Alias (2), Remote (3), Qmgr (4), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_QUEUE_TYPE or CLQTYPE (historical name), Cluster Queue Type (caption), Cluster_Queue_Type (attribute name), and CLQTYPE (column name).

Creation Date & Time

The date and time that this MQ object (for example, a channel or queue) is created. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CREATE_DATE_AND_TIME or QCRDAT_TIM (historical name), Creation Date & Time (caption), Create_Date_and_Time (attribute name), and QCRDAT_TIM (column name).

Default Persist

The default persistence that is assigned to this queue when it is defined. Messages of a persistent queue are logged and are therefore recoverable after queue manager or system failure; messages of a nonpersistent queue are not recoverable. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_PERSISTENCE or QDEFPER (historical name), Default Persist (caption), Default_Persistence (attribute name), and QDEFPER (column name).

Default Priority

The default priority that is assigned to this queue when it is defined. When messages are

retrieved from a queue, they can be selected by priority, so that higher-priority messages are retrieved before messages that have reached the queue earlier. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `DEFAULT_PRIORITY` or `QDEFPRIO` (historical name), Default Priority (caption), `Default_Priority` (attribute name), and `QDEFPRIO` (column name).

Definition Type

The definition type for the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Predefined (1), PermDyn (2), TempDyn (3), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `DEFINITION_TYPE` or `QDEFATYPE` (historical name), Definition Type (caption), `Definition_Type` (attribute name), and `QDEFATYPE` (column name).

Host QMgr

The queue manager that hosts the cluster queue. The type is string.

The following names are defined for this attribute: `CLUSTER_QUEUE_MANAGER` or `QCLUSQMGR` (historical name), Host QMgr (caption), `Cluster_Queue_Manager` (attribute name), and `QCLUSQMGR` (column name).

Max Depth

Maximum depth of the queue. The valid value is an integer. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `MAXIMUM_DEPTH` or `QMAXDEP` (historical name), Max Depth (caption), `Maximum_Depth` (attribute name), and `QMAXDEP` (column name).

QSG Disp

Not applicable to the current monitoring agent. The disposition of this queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), Qmgr (0), Copy (1), Shared (2), Group (3), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QSG_DISPOSITION` or `QSGDISP` (historical name), QSG Disp (caption), `QSG_Disposition` (attribute name), and `QSGDISP` (column name).

QSG Name

Not applicable to the current monitoring agent. The name of the queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: `QSG_NAME` or `QSGNAME` (historical name), QSG Name (caption), `QSG_Name` (attribute name), and `QSGNAME` (column name).

Queue Description

Text description of the particular queue and its applications. The type is string.

The following names are defined for this attribute: `QUEUE_DESCRIPTION_U` or `UQDESC` (historical name), Queue Description (caption), `Queue_Description_U` (attribute name), and `UQDESC` (column name).

Remote QMgr

Name of the queue manager that manages the remote queue if the queue type is Remote, blank if the queue type is Alias. The type is string.

The following names are defined for this attribute: `REMOTE_QUEUE_MANAGER` or `RQMNAME` (historical name), Remote QMgr (caption), `Remote_Queue_Manager` (attribute name), and `RQMNAME` (column name).

Target Object/ Remote Queue

Name of the queue/topic that the alias queue is associated with if the queue type is Alias, name of the remote queue that the queue is associated with if the queue type is Remote. The type is string.

The following names are defined for this attribute: TARGET_OR_REMOTE_QUEUE or TRQNAME (historical name), Target Object/ Remote Queue (caption), Target_or_Remote_Queue (attribute name), and TRQNAME (column name).

Total Opens

Total number of open operations that are performed for a queue. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Error (-1), n/a (-2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TOTAL_OPENS or QTOPENS (historical name), Total Opens (caption), Total_Opens (attribute name), and QTOPENS (column name).

Trigger Control

Indicates whether triggers are active. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Off (0), On (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRIGGER_CONTROL or QTRIGG (historical name), Trigger Control (caption), Trigger_Control (attribute name), and QTRIGG (column name).

Trigger Depth

Depth of the trigger. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRIGGER_DEPTH or QTDEPTH (historical name), Trigger Depth (caption), Trigger_Depth (attribute name), and QTDEPTH (column name).

Trigger Priority

Threshold message priority for triggers. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRIGGER_PRIORITY or QTMSGPRI (historical name), Trigger Priority (caption), Trigger_Priority (attribute name), and QTMSGPRI (column name).

Trigger Type

Type of trigger. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), First (1), Every (2), Depth (3), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRIGGER_TYPE or QTTYPER (historical name), Trigger Type (caption), Trigger_Type (attribute name), and QTTYPER (column name).

Queue Definition Details data set

Use the Queue Definition Details attributes to view monitored queue parameters, including name, description, and value. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Accounting Queue Level

The accounting level for the queue. The type is integer (32-bit numeric property) with

enumerated values. The following values are defined: n/a (-10), Queue Manager (-3), None (-1), Off (0), On (1), Low (17), Medium (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ACCOUNTING_QUEUE_LEVEL or ACCTQ (historical name), Accounting Queue Level (caption), Accounting_Queue_Level (attribute name), and ACCTQ (column name).

Alias Resolves Object Type

The type of object to which the alias queue resolves. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (255), Queue (1), Topic (8). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ALIAS_RESOLVES_OBJECT_TYPE or TARGTYPE (historical name), Alias Resolves Object Type (caption), Alias_Resolves_Object_Type (attribute name), and TARGTYPE (column name).

Backout Harden

Indicates whether the backout count is accurately retained if the queue manager is restarted. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: NoHardenBO (0), HardenBO (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: BACKOUT_HARDEN or HARDENBO (historical name), Backout Harden (caption), Backout_Harden (attribute name), and HARDENBO (column name).

Cluster

The name of the cluster to which the queue belongs. The type is string.

The following names are defined for this attribute: CLUSTER (historical name), Cluster (caption), Cluster (attribute name), and CLUSTER (column name).

Cluster Queue Type

The cluster queue type. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Local (1), Alias (2), Remote (3), Qmgr (4), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_QUEUE_TYPE or CLUSQT (historical name), Cluster Queue Type (caption), Cluster_Queue_Type (attribute name), and CLUSQT (column name).

Cluster Workload Use Queue

Specifies whether a local instance of a queue is given preference as a destination over other instances in a cluster. This attribute is valid only for local queues. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Queue Manager (-3), n/a (-1), Any (1), Local (0). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_WORKLOAD_USE_QUEUE or CLWLUSEQ (historical name), Cluster Workload Use Queue (caption), Cluster_Workload_Use_Queue (attribute name), and CLWLUSEQ (column name).

Default Input Share Opt

The default input open option. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: AsQDef (1), Shared (2), Excl (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_INPUT_SHARE_OPT or DEFSOPT (historical name), Default Input Share Opt (caption), Default_Input_Share_Opt (attribute name), and DEFSOPT (column name).

Default Message Binding

Specifies the binding to be used when the application specifies MQ00_BIND_AS_Q_DEF on the MQOPEN call, and the queue is a cluster queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Open (0), NotFixed (1), OnGroup (2), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_MESSAGE_BINDING or DEFBIND (historical name), Default Message Binding (caption), Default_Message_Binding (attribute name), and DEFBIND (column name).

Default Persist

Indicates whether messages created by applications that use MQPER_PERSISTENCE_AS_Q_DEF become persistent or non persistent. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_PERSISTENCE or DEFPSIST (historical name), Default Persist (caption), Default_Persistence (attribute name), and DEFPSIST (column name).

Default Put Response Type

The default response type for message puts. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (255), Sync (1), Async (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_PUT_RESPONSE_TYPE or DEFPRESP (historical name), Default Put Response Type (caption), Default_Put_Response_Type (attribute name), and DEFPRESP (column name).

Default Read Ahead Value

Indicates whether read ahead is enabled at the queue level. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (255), No (0), Yes (1), Disabled (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_READ_AHEAD_VALUE or DEFREADA (historical name), Default Read Ahead Value (caption), Default_Read_Ahead_Value (attribute name), and DEFREADA (column name).

Definition Type

Indicates how channel is defined in the cluster. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Predefined (1), PermDyn (2), TempDyn (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFINITION_TYPE or DEFTYPE (historical name), Definition Type (caption), Definition_Type (attribute name), and DEFTYPE (column name).

Distribution Lists

Indicates whether there is a distribution list. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DISTRIBUTION_LISTS or DISTL (historical name), Distribution Lists (caption), Distribution_Lists (attribute name), and DISTL (column name).

Get Status

Indicates whether the current queue is enabled for gets (that is, whether applications can call MQ API routine MQGET for this queue). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Enabled (0), Disabled (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_STATUS or GET (historical name), Get Status (caption), Get_Status (attribute name), and GET (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Host QMgr

The name of the queue manager that hosts the cluster queue. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: CLUSTER_QUEUE_MANAGER or CLUSQMGR (historical name), Host QMgr (caption), Cluster_Queue_Manager (attribute name), and CLUSQMGR (column name).

Message Delivery Sequence

The message delivery sequence. Specifies to get messages from the queue in order of their priority, or to get messages from the queue in the order that they were put on the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Priority (0), FIFO (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_DELIVERY_SEQUENCE or MSGDLVSQ (historical name), Message Delivery Sequence (caption), Message_Delivery_Sequence (attribute name), and MSGDLVSQ (column name).

Monitoring Queue Level

The monitoring level for the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-10), Queue Manager (-3), None (-1), Off (0), On (1), Low (17), Medium (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MONITORING_QUEUE_LEVEL or MONQ (historical name), Monitoring Queue Level (caption), Monitoring_Queue_Level (attribute name), and MONQ (column name).

Mupltiple App Get Msg

Indicates whether to share the queue so that more than one instance of an application can open this queue for input. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: NoShare (0), Share (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MUPLTIPL_APP_GET_MSG or SHARE (historical name), Mupltiple App Get Msg (caption), Mupltiple_App_Get_Msg (attribute name), and SHARE (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Non-persistent Msg Reliability Level

The level of reliability for non-persistent messages put to this queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Normal (0), High (10). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NON-PERSISTENT_MSG_RELIABILITY_LEVEL or NPMCLASS (historical name), Non-persistent Msg Reliability Level (caption), Non-persistent_Msg_Reliability_Level (attribute name), and NPMCLASS (column name).

Parameter Description

The description of the parameter. The type is integer (32-bit numeric property) with enumerated

values. The following values are defined: Queue name (1), Description (2), Type of queue (3), Usage normal or xmit (4), Type of definition (5), Default msg persistence (6), Default msg priority (7), Msgs can be added (8), Msgs can be retrieved (9), Maximum message length (10), Maximum number of msgs (11), High event threshold (12), Low event threshold (13), Queue full events (14), Service interval events (15), Service interval in ms. (16), Trigger msgs used or not (17), Conditions for trigger (18), Queue depth trigger (19), Message priority trigger (20), Trigger message data (21), Initiation Q for trigger (22), Process name for trigger (23), Default input share opt (24), Msg delivery sequence (25), Multiple appl get msgs (26), Hours to retain queue (27), Storage class name (28), Backout count hardening (29), Backout threshold (30), Backout requeue name (31), Remote queue manager (32), Remote queue name (33), Transmission queue name (34), Base queue or topic being aliased (35), Queue depth high events (36), Queue depth low events (37), Scope of Q definition (38), Distribution lists (39), Index type (40), Cluster name (41), Cluster namelist (42), Cluster host queue manager (43), Cluster queue type (44), Default message binding (45), Internal queue manager name (46), Queue Sharing Group Disposition (47), Coupling Facility Structure (48), Non-persistent msg reliability level (49), Accounting queue level (50), Monitoring queue level (51), Statistics queue level (52), Cluster workload priority (53), Cluster workload rank (54), Cluster workload use queue (55), Tpipe names (56), Alias resolves object type (57), Default read ahead value (58), Default put response type (59), Property control (60), Cluster channel name (61), Custom attribute (62). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PARAMETER_DESCRIPTION` or `PARAM_DESC` (historical name), Parameter Description (caption), `Parameter_Description` (attribute name), and `PARAM_DESC` (column name).

Parameter Name

The name of the defined parameter. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `QNAME` (1), `DESCR` (2), `QTYPE` (3), `USAGE` (4), `DEFTYPE` (5), `DEFPSIST` (6), `DEFPRTY` (7), `PUT` (8), `GET` (9), `MAXMSGL` (10), `MAXDEPTH` (11), `QDEPTHHI` (12), `QDEPTHLO` (13), `QDPMAXEV` (14), `QSVCIEV` (15), `QSVCINT` (16), `TRIGGER` (17), `TRIGTYPE` (18), `TRIGDPH` (19), `TRIGMPRI` (20), `TRIGDATA` (21), `INITQ` (22), `PROCESS` (23), `DEFSOPT` (24), `MSGDLVSQ` (25), `SHARE` (26), `RETINTVL` (27), `STGCLASS` (28), `HARDENBO` (29), `BOTHRESH` (30), `BOQNAME` (31), `RQMNAME` (32), `RNAME` (33), `XMITQ` (34), `TARGET` (35), `QDPHIEV` (36), `QDPLOEV` (37), `SCOPE` (38), `DISTL` (39), `INDXTYPE` (40), `CLUSTER` (41), `CLUSNL` (42), `CLUSQMGR` (43), `CLUSQT` (44), `DEFBIND` (45), `QMID` (46), `QSGDISP` (47), `CFSTRUCT` (48), `NPMCLASS` (49), `ACCTQ` (50), `MONQ` (51), `STATQ` (52), `CLWLPRTY` (53), `CLWLRANK` (54), `CLWLUSEQ` (55), `TPIPE` (56), `TARGETYPE` (57), `DEFREADA` (58), `DEFPRESP` (59), `PROPCTL` (60), `CLCHNAME` (61), `CUSTOM` (62). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PARAMETER_NAME` or `PARAM_NAME` (historical name), Parameter Name (caption), `Parameter_Name` (attribute name), and `PARAM_NAME` (column name).

Parameter Type

The type of the parameter. The type is string.

The following names are defined for this attribute: `PARAMETER_TYPE` or `PARAM_TYPE` (historical name), Parameter Type (caption), `Parameter_Type` (attribute name), and `PARAM_TYPE` (column name).

Parameter Value

The value of the parameter. The valid format is an alphanumeric string of up to 256 characters. The type is string.

The following names are defined for this attribute: `PARAMETER_VALUE_U` or `UPARM_VAL` (historical name), Parameter Value (caption), `Parameter_Value_U` (attribute name), and `UPARM_VAL` (column name).

Parameter Value (Deprecated)

The value of the parameter. The valid format is an alphanumeric string of up to 64 characters. The type is string.

The following names are defined for this attribute: `PARAMETER_VALUE` or `PARM_VALUE` (historical name), `Parameter Value (Deprecated)` (caption), `Parameter_Value` (attribute name), and `PARM_VALUE` (column name).

Property Control

Defines what happens to properties of messages that are retrieved from queues using the `MQGET` command when the `MQGMO_PROPERTIES_AS_Q_DEF` option is specified. This attribute is valid for Local queues, Alias queues, and Model queues only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `n/a` (255), `Compatibility` (0), `None` (1), `All` (2), `Force` (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PROPERTY_CONTROL` or `PROPCTL` (historical name), `Property Control` (caption), `Property_Control` (attribute name), and `PROPCTL` (column name).

Put Status

Indicates whether the current queue is enabled for puts (that is, whether applications may call MQ API routines `MQPUT` or `MQPUT1` for this queue). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `Enabled` (0), `Disabled` (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PUT_STATUS` or `PUT` (historical name), `Put Status` (caption), `Put_Status` (attribute name), and `PUT` (column name).

Q Defn Scope

The queue definition scope. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `QMGR` (1), `Cell` (2), `n/a` (0). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `Q_DEFN_SCOPE` or `SCOPE` (historical name), `Q Defn Scope` (caption), `Q_Defn_Scope` (attribute name), and `SCOPE` (column name).

QMgr Name

The name that is assigned to this queue manager. The type is string.

The following names are defined for this attribute: `MQ_MANAGER_NAME` or `QMNAME` (historical name), `QMgr Name` (caption), `MQ_Manager_Name` (attribute name), and `QMNAME` (column name).

Queue Full Events

Indicates whether to generate a Queue Full event when a message is put to the queue, but is rejected because the queue is already full. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `Disabled` (0), `Enabled` (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QUEUE_FULL_EVENTS` or `QDPMAXEV` (historical name), `Queue Full Events` (caption), `Queue_Full_Events` (attribute name), and `QDPMAXEV` (column name).

Queue High Events

Indicates whether the Queue Depth High event is enabled. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `Disabled` (0), `Enabled` (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QUEUE_HIGH_EVENTS` or `QDPHIEV` (historical name), `Queue High Events` (caption), `Queue_High_Events` (attribute name), and `QDPHIEV` (column name).

Queue Index

The queue index. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), MsgID (1), CorrelID (2), MsgToken (4), GroupID (5), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_INDEX or INDXTYPE (historical name), Queue Index (caption), Queue_Index (attribute name), and INDXTYPE (column name).

Queue Low Events

Indicates whether the Queue Depth Low event is enabled. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_LOW_EVENTS or QDPLOEV (historical name), Queue Low Events (caption), Queue_Low_Events (attribute name), and QDPLOEV (column name).

Queue Name

The name of the queue that is specified in the MQOPEN call (MQOD_ObjectName) of the application. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: QUEUE_NAME or QNAME (historical name), Queue Name (caption), Queue_Name (attribute name), and QNAME (column name).

Queue Sharing Group Disposition

Not applicable to the current monitoring agent. Disposition in the queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), QMGR (0), COPY (1), SHARED (2), GROUP (3), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_SHARING_GROUP_DISPOSITION or QSGDISP (historical name), Queue Sharing Group Disposition (caption), Queue_Sharing_Group_Disposition (attribute name), and QSGDISP (column name).

Queue Type

The type of the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Local (1), Model (2), Alias (3), Remote (6), Cluster (7). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_TYPE or QTYPE (historical name), Queue Type (caption), Queue_Type (attribute name), and QTYPE (column name).

Queue Usage

Indicates whether the queue is a local queue or a transmission queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Normal (0), XmitQ (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_USAGE or USAGE (historical name), Queue Usage (caption), Queue_Usage (attribute name), and USAGE (column name).

Service Int Events

Indicates whether to generate Queue Service Interval events. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), High (1), OK (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SERVICE_INT_EVENTS or QSVCIIEV (historical name), Service Int Events (caption), Service_Int_Events (attribute name), and QSVCIIEV (column name).

Statistics Queue Level

The statistics level for the queue. The type is integer (32-bit numeric property) with enumerated

values. The following values are defined: n/a (-10), Queue Manager (-3), None (-1), Off (0), On (1), Low (17), Medium (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: STATISTICS_QUEUE_LEVEL or STATQ (historical name), Statistics Queue Level (caption), Statistics_Queue_Level (attribute name), and STATQ (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Trigger

Specifies whether to enable triggering on the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: NoTrigger (0), Trigger (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRIGGER (historical name), Trigger (caption), Trigger (attribute name), and TRIGGER (column name).

Trigger Type

The condition (First, Every, Depth, or None) that causes a trigger message to be sent to the initiation queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), First (1), Every (2), Depth (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRIGGER_TYPE or TRIGTYPE (historical name), Trigger Type (caption), Trigger_Type (attribute name), and TRIGTYPE (column name).

Queue Definitions data set

The Queue Definitions attributes provide queue definition information for each monitored queue within a queue manager. This data is collected at five-minute intervals.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Alter Date & Time

The date and time that the channel definition is last altered. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ALTER_DATE_AND_TIME or ALTDAT_TIM (historical name), Alter Date & Time (caption), Alter_Date_and_Time (attribute name), and ALTDAT_TIM (column name).

CF Struct Name

Not application to the current monitoring agent. The name of the Coupling Facility application structure for this queue. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: CF_STRUCTURE_NAME or STRNAME (historical name), CF Struct Name (caption), CF_Structure_Name (attribute name), and STRNAME (column name).

Cluster

The name of the cluster to which the queue belongs. The type is string.

The following names are defined for this attribute: CLUSTER or QCLUSTER (historical name), Cluster (caption), Cluster (attribute name), and QCLUSTER (column name).

Cluster Channel Name

The cluster channel name for the queue. The type is string.

The following names are defined for this attribute: CLUSTER_CHANNEL_NAME or CLCHNAME (historical name), Cluster Channel Name (caption), Cluster_Channel_Name (attribute name), and CLCHNAME (column name).

Cluster Date & Time

The date and time that the cluster queue definition is made available. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_DATE_AND_TIME or CLDAT_TIM (historical name), Cluster Date & Time (caption), Cluster_Date_and_Time (attribute name), and CLDAT_TIM (column name).

Cluster Namelist

The name of the namelist that specifies a list of clusters to which the queue belongs. The type is string.

The following names are defined for this attribute: CLUSTER_NAMELIST or QCLUSNL (historical name), Cluster Namelist (caption), Cluster_Namelist (attribute name), and QCLUSNL (column name).

Cluster Queue Type

Type of the cluster queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Local (1), Alias (2), Remote (3), Qmgr (4), n/a (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CLUSTER_QUEUE_TYPE or CLQTYPE (historical name), Cluster Queue Type (caption), Cluster_Queue_Type (attribute name), and CLQTYPE (column name).

Creation Date & Time

The date and time that this MQ object (for example, a channel or queue) is created. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CREATE_DATE_AND_TIME or QCRDAT_TIM (historical name), Creation Date & Time (caption), Create_Date_and_Time (attribute name), and QCRDAT_TIM (column name).

Cur Defn

Indicates whether the queue or channel is currently defined on the monitored queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENTLY_DEFINED or QDEFSTATE (historical name), Cur Defn (caption), Currently_Defined (attribute name), and QDEFSTATE (column name).

Default Persist

The default persistence that is assigned to this queue when it is defined. Messages of a persistent queue are logged and are therefore recoverable after queue manager or system failure; messages of a nonpersistent queue are not recoverable. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFAULT_PERSISTENCE or QDEFPER (historical name), Default Persist (caption), Default_Persistence (attribute name), and QDEFPER (column name).

Default Priority

The default priority that is assigned to this queue when it is defined. When messages are retrieved from a queue, they can be selected by priority, so that higher-priority messages are retrieved before messages that may have reached the queue earlier. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `DEFAULT_PRIORITY` or `QDEFPRIO` (historical name), `Default Priority` (caption), `Default_Priority` (attribute name), and `QDEFPRIO` (column name).

Definition Type

The definition type for the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `Predefined` (1), `PermDyn` (2), `TempDyn` (3), `n/a` (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `DEFINITION_TYPE` or `QDEFATYPE` (historical name), `Definition Type` (caption), `Definition_Type` (attribute name), and `QDEFATYPE` (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: `HOST_NAME` (historical name), `Host Name` (caption), `Host_Name` (attribute name), and `HOST_NAME` (column name).

Host QMgr

The queue manager that hosts the cluster queue. The type is string.

The following names are defined for this attribute: `CLUSTER_QUEUE_MANAGER` or `QCLUSQMGR` (historical name), `Host QMgr` (caption), `Cluster_Queue_Manager` (attribute name), and `QCLUSQMGR` (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `NODE` (historical name), `Node` (caption), `ORIGINNODE` (attribute name), and `ORIGINNODE` (column name).

Put Status

Indicates whether the current queue is enabled for puts (that is, whether applications may call MQ API routines `MQPUT` or `MQPUT1` for this queue). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `Enabled` (0), `Disabled` (1), `n/a` (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PUT_STATUS` or `QPUT_INH` (historical name), `Put Status` (caption), `Put_Status` (attribute name), and `QPUT_INH` (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `MQ_MANAGER_NAME` or `QMNAME` (historical name), `QMgr Name` (caption), `MQ_Manager_Name` (attribute name), and `QMNAME` (column name).

QSG Disp

Not application to the current monitoring agent. The disposition of this queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `n/a` (-2), `Qmgr` (0), `Copy` (1), `Shared` (2), `Group` (3), `Unknown` (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QSG_DISPOSITION or QSGDISP (historical name), QSG Disp (caption), QSG_Disposition (attribute name), and QSGDISP (column name).

QSG Name

Not application to the current monitoring agent. The name of the queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: QSG_NAME or QSGNAME (historical name), QSG Name (caption), QSG_Name (attribute name), and QSGNAME (column name).

Queue Description

Text description of the particular queue and its applications. The type is string.

The following names are defined for this attribute: QUEUE_DESCRIPTION_U or UQDESC (historical name), Queue Description (caption), Queue_Description_U (attribute name), and UQDESC (column name).

Queue Description (Deprecated)

Text description of the particular queue and its applications. The type is string.

The following names are defined for this attribute: QUEUE_DESCRIPTION or QDESC (historical name), Queue Description (Deprecated) (caption), Queue_Description (attribute name), and QDESC (column name).

Queue Name

The name of a queue that is managed by the selected queue manager. The valid format is an alphanumeric string of up to 48 case-sensitive characters. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: QUEUE_NAME or QNAME (historical name), Queue Name (caption), Queue_Name (attribute name), and QNAME (column name).

Queue Type

Type of the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Local (1), Model (2), Alias (3), Remote (6), Cluster (7). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_TYPE or QTYPE (historical name), Queue Type (caption), Queue_Type (attribute name), and QTYPE (column name).

Queue Usage

The queue usage, either Normal, XmitQ (for a transmission queue), or n/a. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Normal (0), XmitQ (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_USAGE or QUSAGE (historical name), Queue Usage (caption), Queue_Usage (attribute name), and QUSAGE (column name).

Remote QMgr

Name of the queue manager that manages the remote queue if the queue type is Remote, blank if the queue type is Alias. The type is string.

The following names are defined for this attribute: REMOTE_QUEUE_MANAGER or RQMNAME (historical name), Remote QMgr (caption), Remote_Queue_Manager (attribute name), and RQMNAME (column name).

Target Object/ Remote Queue

Name of the queue/topic that the alias queue is associated with if the queue type is Alias, name of the remote queue that the queue is associated with if the queue type is Remote. The type is string.

The following names are defined for this attribute: TARGET_OR_REMOTE_QUEUE or TRQNAME (historical name), Target Object/ Remote Queue (caption), Target_or_Remote_Queue (attribute name), and TRQNAME (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Queue Handle Status data set

Use the Queue Handle Status attributes to view the most current data about which applications have a queue open. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Appl Type

The type of application that owns the handle. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unknown (-1), NoContext (0), CICS (1), MVS (2), IMS (3), OS2 (4), DOS (5), UNIX (6), QMGR (7), OS400 (8), WINDOWS (9), CICS VSE (10), WINDOWS NT (11), VMS (12), GUARDIAN (13), VOS (14), IMS BRIDGE (19), XCF (20), CICS BRIDGE (21), NOTES AGENT (22), USER (25), BROKER (26), QMGR PUBLISH (27), JAVA (28), DQM (29), CHINIT (30), WLM (31), BATCH (32), RRS BATCH (33), SIB (34), SYSTEMEXT (35), MCAST PUBLISH (36), SYSTEM (101), USER FIRST (65536). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: APPLICATION_TYPE or APPLTYPE (historical name), Appl Type (caption), Application_Type (attribute name), and APPLTYPE (column name).

Application Tag

The tag name identifies the application that owns the handle. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: APPLICATION_TAG or APPLTAG (historical name), Application Tag (caption), Application_Tag (attribute name), and APPLTAG (column name).

ASID Not application to the current monitoring agent. The address space identifier of the application that opens the queue. The value is blank on non z/OS systems or on z/OS systems when the application type is Queue Manager. The type is string.

The following names are defined for this attribute: ADDRESS_SPACE_IDENTIFIER or ASID (historical name), ASID (caption), Address_Space_Identifier (attribute name), and ASID (column name).

Asynch State

The state of the asynchronous consumption on this object handle. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (255), None (0), Suspended (4), SuspendedTemp (5), Active (6), Inactive (7). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ASYNCHRONOUS_STATE or ASTATE (historical name), Asynch State (caption), Asynchronous_State (attribute name), and ASTATE (column name).

Channel Name

The name of the channel that owns the handle if the handle belongs to the channel initiator; blank when no channel is associated with the handle. The type is string.

The following names are defined for this attribute: CHANNEL_NAME or CHNAME (historical name), Channel Name (caption), Channel_Name (attribute name), and CHNAME (column name).

CICS Region Name

Not application to the current monitoring agent. The CICS region name if Appl Type is CICS ; otherwise blank. This attribute is for CICS applications on z/OS systems only. The type is string.

The following names are defined for this attribute: CICS_REGION_NAME or CICSREG (historical name), CICS Region Name (caption), CICS_Region_Name (attribute name), and CICSREG (column name).

CICS Task No

Not application to the current monitoring agent. The CICS 7-digit task number if Appl Type is CICS ; otherwise blank. This attribute is for CICS applications on z/OS systems only. The type is string.

The following names are defined for this attribute: CICS_TASK_NUMBER or CICSTASK (historical name), CICS Task No (caption), CICS_Task_Number (attribute name), and CICSTASK (column name).

CICS Trans ID

Not application to the current monitoring agent. The CICS transaction identifier if Appl Type is CICS; otherwise blank. This attribute is for CICS applications on z/OS systems only. The type is string.

The following names are defined for this attribute: CICS_TRANSACTION_IDENTIFIER or CICSTRANS (historical name), CICS Trans ID (caption), CICS_Transaction_Identifier (attribute name), and CICSTRANS (column name).

Connection Name

The name of the connection that is associated with the channel that owns the handle if the channel belongs to the channel initiator. It is blank when no channel is associated with the handle. The type is string.

The following names are defined for this attribute: CONNECTION_NAME or CHCONNAM (historical name), Connection Name (caption), Connection_Name (attribute name), and CHCONNAM (column name).

External Unit of Recovery ID

The external unit of recovery identifier that is associated with the connection. The type is string.

The following names are defined for this attribute: EXTERNAL_UNIT_OF_RECOVERY_IDENTIFIER or URID (historical name), External Unit of Recovery ID (caption), External_Unit_of_Recovery_Identifier (attribute name), and URID (column name).

External Unit of Recovery Type

The type of external unit of recovery identifier as perceived. The external unit of recovery type identifies the external unit of recovery identifier type and not the type of the transaction coordinator. When the value of the external unit of recovery type is QMGR, the associated identifier is in the queue manager unit of recovery identifier, and not the external unit of recovery identifier. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), QMGR (0), CICS (1), RRS (2), IMS (3), XA (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: EXTERNAL_UNIT_OF_RECOVERY_TYPE or URTYPE (historical name), External Unit of Recovery Type (caption), External_Unit_of_Recovery_Type (attribute name), and URTYPE (column name).

Handle Status

The state of the handle. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Inactive (0), Active (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: HANDLE_STATUS or HSTATE (historical name), Handle Status (caption), Handle_Status (attribute name), and HSTATE (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

IMS PSB Name

Not application to the current monitoring agent. The name of the IMS Program Specification Block that is associated with the running IMS transaction if Appl Type is IMS ; otherwise blank. This attribute is for IMS applications on z/OS systems only. The type is string.

The following names are defined for this attribute: IMS_PROGRAM_SPECIFICATION_BLOCK or IMSPSB (historical name), IMS PSB Name (caption), IMS_Program_Specification_Block (attribute name), and IMSPSB (column name).

IMS PST ID

Not application to the current monitoring agent. The IMS Program Specification Table region identifier for the connected IMS region if Appl Type is IMS ; otherwise blank. This attribute is for IMS applications on z/OS systems only. The type is string.

The following names are defined for this attribute: IMS_PROGRAM_SPECIFICATION_TABLE or IMSPST (historical name), IMS PST ID (caption), IMS_Program_Specification_Table (attribute name), and IMSPST (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Open for Browse

Indicates whether the queue is open for browsing. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_FOR_BROWSE or OBROWSE (historical name), Open for Browse (caption), Open_for_Browse (attribute name), and OBROWSE (column name).

Open for Input

Indicates whether the queue is open for input. If so, further describes the type of open for input. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Shared (1), Exclusive (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_FOR_INPUT or OINPUT (historical name), Open for Input (caption), Open_for_Input (attribute name), and OINPUT (column name).

Open for Inquire

Indicates whether the queue is open for inquiring. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_FOR_INQUIRE or OINQUIRE (historical name), Open for Inquire (caption), Open_for_Inquire (attribute name), and OINQUIRE (column name).

Open for Output

Indicates whether the queue is open for output. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_FOR_OUTPUT or OOUTPUT (historical name), Open for Output (caption), Open_for_Output (attribute name), and OOUTPUT (column name).

Open for Set

Indicates whether the queue is open for setting. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OPEN_FOR_SET or OSET (historical name), Open for Set (caption), Open_for_Set (attribute name), and OSET (column name).

Process ID

Not application to the current monitoring agent. The process identifier of the application that owns the handle. This is the application that opened the queue. This attribute is for z/OS system only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PROCESS_IDENTIFIER or PID (historical name), Process ID (caption), Process_Identifier (attribute name), and PID (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

QMgr Unit of Recovery ID

The queue manager unit of recovery identifier. On distributed systems, this is an 8-byte transaction identifier, displayed as m.n, where m and n are the decimal representation of the first and last 4 bytes of the transaction identifier. The type is string.

The following names are defined for this attribute: QUEUE_MANAGER_UNIT_OF_RECOVERY_IDENTIFIER or QMURID (historical name), QMgr Unit of Recovery ID (caption), Queue_Manager_Unit_of_Recovery_Identifier (attribute name), and QMURID (column name).

QSG Disp

Not application to the current monitoring agent. Disposition of the queue in a queue-sharing group environment. This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), Qmgr (0), Copy (1), Shared (2), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QSG_DISPOSITION or QSGDISP (historical name), QSG Disp (caption), QSG_Disposition (attribute name), and QSGDISP (column name).

Queue Name

The name of a queue that is managed by the selected queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: QUEUE_NAME or QNAME (historical name), Queue Name (caption), Queue_Name (attribute name), and QNAME (column name).

RRS UR ID

Not application to the current monitoring agent. The hexadecimal character form of the 16-byte RRS Unit-of-Recovery identifier that is associated with the handle if Appl Type is RRS Batch; otherwise blank. This attribute is for RRS Batch applications on z/OS systems only. The type is string.

The following names are defined for this attribute: RRS_UNIT_OF_RECOVERY_IDENTIFIER or RRSURID (historical name), RRS UR ID (caption), RRS_Unit_of_Recovery_Identifier (attribute name), and RRSURID (column name).

Thread ID

Not application to the current monitoring agent. The thread identifier of the thread in the application that owns the handle. This is the application that opened the queue. This attribute is for z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: THREAD_IDENTIFIER or TID (historical name), Thread ID (caption), Thread_Identifier (attribute name), and TID (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

User ID

The user identifier that is associated with the handle. The type is string.

The following names are defined for this attribute: USER_IDENTIFIER or USERID (historical name), User ID (caption), User_Identifier (attribute name), and USERID (column name).

Queue Long-Term History data set

The Queue Long Term History attributes provide queue statistics for each monitored queue within a queue manager. These attributes are informational only; they cannot be used to create situations. This data is collected at five-minute intervals. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default.

The attributes shown in *italic* are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

of Tran/Pgms

Not application to the current monitoring agent. The number of unique CICS transactions or program names. This information is only available if Application Queue Statistics are being collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. This attribute is for z/OS systems only. The type is integer (32-bit gauge).

The following names are defined for this attribute: NUMBER_OF_TRANSACTION/PROGRAMS or CNTTRANPGM (historical name), # of Tran/Pgms (caption), Number_of_Transaction/Programs (attribute name), and CNTTRANPGM (column name).

% Full The current number of messages on the queue divided by the maximum number of messages for the queue and expressed as a percentage. The type is real number (32-bit gauge) with one decimal places of precision.

The following names are defined for this attribute: PERCENT_FULL or QPCTFULL (historical name), % Full (caption), Percent_Full (attribute name), and QPCTFULL (column name).

Current Depth

The number of messages that are currently on the queue. The type is integer (32-bit gauge).

The following names are defined for this attribute: CURRENT_DEPTH or QCURDEP (historical name), *Current Depth* (caption), Current_Depth (attribute name), and QCURDEP (column name).

Highest Depth

If Queue Statistics are collected (SET QUEUE STATISTICS(YES)), this is the highest number of messages in the queue during the sampling interval; otherwise this is the highest recorded Current Depth value from the collection of sampling intervals that comprise the entire historical period. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_DEPTH or QHIGHDEP (historical name), *Highest Depth* (caption), Highest_Depth (attribute name), and QHIGHDEP (column name).

Input Opens

The number of applications that opened this queue for input. This does not include open requests for either inquiry or browse. The type is integer (32-bit gauge).

The following names are defined for this attribute: INPUT_OPENS or QIPOPENS (historical name), *Input Opens* (caption), Input_Opens (attribute name), and QIPOPENS (column name).

Msgs Put per Sec

The rate per second of messages that are put to the queue. The type is real number (32-bit gauge) with one decimal places of precision.

The following names are defined for this attribute: MESSAGES_PUT_PER_SECOND or QPUTRATE (historical name), *Msgs Put per Sec* (caption), Messages_Put_per_Second (attribute name), and QPUTRATE (column name).

Msgs Put

The number of messages that are put to the queue during the sampling interval. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MESSAGES_PUT or MSGSPUT (historical name), *Msgs Put* (caption), Messages_Put (attribute name), and MSGSPUT (column name).

Msgs Read per Sec

The rate per second of messages that are read from the queue. The type is real number (32-bit gauge) with one decimal places of precision.

The following names are defined for this attribute: MESSAGES_READ_PER_SECOND or QREADRATE (historical name), *Msgs Read per Sec* (caption), Messages_Read_per_Second (attribute name), and QREADRATE (column name).

Msgs Read

The number of messages that are read (and removed) from the queue during the sampling interval. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MESSAGES_READ or MSGSREAD (historical name), *Msgs Read* (caption), Messages_Read (attribute name), and MSGSREAD (column name).

Node

The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Output Opens

The number of applications that opened this queue for output. The valid format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: OUTPUT_OPENS or QOPOPENS (historical name), *Output Opens* (caption), Output_Opens (attribute name), and QOPOPENS (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), *QMgr Name* (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Queue Name

The name of the queue that is specified in the MQOPEN call (MQOD_ObjectName) of the application. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: QUEUE_NAME or QNAME (historical name), *Queue Name* (caption), Queue_Name (attribute name), and QNAME (column name).

Sample Date & Time

The date and time of the sample. The type is timestamp.

The following names are defined for this attribute: SAMPLE_DATE_AND_TIME or SDATE_TIME (historical name), *Sample Date & Time* (caption), Sample_Date_and_Time (attribute name), and SDATE_TIME (column name).

Time to Full Queue (Secs)

The amount of time, in seconds, that it takes for the queue to reach maximum allowed depth given the current depth, maximum depth, messages read per second, and messages put per second. If this value cannot be calculated with the current rates, the following values might be set: The type is real number (32-bit numeric property) with two decimal places of precision with enumerated values. The following values are defined: Equal Put Get Rates (-1), Zero Put Get Rates (-2), Sufficient Get Rate (-3), n/a (-4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TIME_TO_FULL_QUEUE or QTIMEFULL (historical name), *Time to Full Queue (Secs)* (caption), Time_to_Full_Queue (attribute name), and QTIMEFULL (column name).

Time to Zero Msgs (Secs)

The amount of time, in seconds, that it takes for the queue to have no messages given the current depth, messages read per second, and messages put per second. If this value cannot be calculated with the current rates, the following values might be set: The type is real number (32-bit numeric property) with two decimal places of precision with enumerated values. The following values are defined: Equal Put Get Rates (-1), Zero Put Get Rates (-2), Deficient Get Rate (-3), n/a (-4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TIME_TO_ZERO_MESSAGES or QTIMEZERO (historical name), *Time to Zero Msgs (Secs)* (caption), Time_to_Zero_Messages (attribute name), and QTIMEZERO (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Avg Appl Time Between Calls

Not application to the current monitoring agent. The average elapsed time between MQI calls for any instances of the selected application ID, transaction, or program. This information is only available if Application Queue Statistics are being collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. The value is expressed in seconds, accurate to the third decimal place. This attribute

is for z/OS systems only. The type is real number (32-bit gauge) with three decimal places of precision with enumerated values. The following values are defined: Over 24 Days (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute:

AVERAGE_APPLICATION_TIME_BETWEEN_CALLS or AVGAPPTIME (historical name), Avg Appl Time Between Calls (caption), Average_Application_Time_Between_Calls (attribute name), and AVGAPPTIME (column name).

Avg MQ Resp Time

Not application to the current monitoring agent. The average time that it takes for MQ to respond to all MQI calls. This information is only available if Application Queue Statistics are being collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. The value is expressed in seconds, accurate to the third decimal place. This attribute is for z/OS systems only. The type is real number (32-bit gauge) with three decimal places of precision.

The following names are defined for this attribute: AVERAGE_MQ_RESPONSE_TIME or AVGMQTIME (historical name), Avg MQ Resp Time (caption), Average_MQ_Response_Time (attribute name), and AVGMQTIME (column name).

Buffer Pool ID

Not application to the current monitoring agent. Indicates the buffer pool that this page set is assigned to. This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: BUFFER_POOL_ID or POOL_ID (historical name), Buffer Pool ID (caption), Buffer_Pool_ID (attribute name), and POOL_ID (column name).

CF Struct Name

Not application to the current monitoring agent. The name of the Coupling Facility application structure for this queue. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: CF_STRUCTURE_NAME or STRNAME (historical name), CF Struct Name (caption), CF_Structure_Name (attribute name), and STRNAME (column name).

Creation Date & Time

The date and time that this MQ object (for example, a channel or queue) is created. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CREATE_DATE_AND_TIME or QCRDAT_TIM (historical name), Creation Date & Time (caption), Create_Date_and_Time (attribute name), and QCRDAT_TIM (column name).

Cur Defn

Indicates whether the queue or channel is currently defined on the monitored queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENTLY_DEFINED or QDEFSTATE (historical name), Cur Defn (caption), Currently_Defined (attribute name), and QDEFSTATE (column name).

Cur Opened Exclusive

Not application to the current monitoring agent. Indicates whether this queue is currently opened for exclusive use during the last data sample. This information is only available if Application Queue Statistics data is collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the value is 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property)

with enumerated values. The following values are defined: n/a (0), Yes (1), No (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENTLY_OPENED_EXCLUSIVE or CURROPEXCL (historical name), Cur Opened Exclusive (caption), Currently_Opened_Exclusive (attribute name), and CURROPEXCL (column name).

Definition Type

The definition type for the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Predefined (1), PermDyn (2), TempDyn (3), Base Q Not Monitored (9999), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFINITION_TYPE or QDEFTYPE (historical name), Definition Type (caption), Definition_Type (attribute name), and QDEFTYPE (column name).

Get Status

Indicates whether the current queue is enabled for gets (that is, whether applications can call MQ API routine MQGET for this queue). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Enabled (0), Disabled (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_STATUS or QGET_INH (historical name), Get Status (caption), Get_Status (attribute name), and QGET_INH (column name).

High Depth Threshold

The percentage of the maximum message depth of the current queue that triggers a Queue Depth High event for this queue. This attribute is expressed as an integer in the range 0 - 100. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGH_DEPTH_THRESHOLD or QDEPTHRESH (historical name), High Depth Threshold (caption), High_Depth_Threshold (attribute name), and QDEPTHRESH (column name).

High Depth Threshold Percent

The percentage of the maximum message depth of the current queue that triggers a Queue Depth High event for this queue. This attribute is expressed as a percentage value to one decimal place. The type is real number (32-bit gauge) with one decimal places of precision.

The following names are defined for this attribute: HIGH_DEPTH_THRESHOLD_PERCENT or QDEPTHRPCT (historical name), High Depth Threshold Percent (caption), High_Depth_Threshold_Percent (attribute name), and QDEPTHRPCT (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Initiation Queue Name

A local queue to which trigger messages are written. The type is string.

The following names are defined for this attribute: INITIATION_QUEUE_NAME or INITQ (historical name), Initiation Queue Name (caption), Initiation_Queue_Name (attribute name), and INITQ (column name).

Input Msg Size Avg

Not application to the current monitoring agent. The average size of all input messages belonging to this queue, transaction, program, or application. This information is only available if Application Queue Statistics are being collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. This attribute is for z/OS systems only. The type is integer (32-bit gauge).

The following names are defined for this attribute: INPUT_MESSAGE_SIZE_AVERAGE or INSIZEAVG (historical name), Input Msg Size Avg (caption), Input_Message_Size_Average (attribute name), and INSIZEAVG (column name).

Interval Length

The interval time over which statistics are taken. The type is string.

The following names are defined for this attribute: INTERVAL_LENGTH or INT_TIMEC (historical name), Interval Length (caption), Interval_Length (attribute name), and INT_TIMEC (column name).

Interval Time

The size of the current sampling interval, in hundredths of seconds. For example, .50 is half a second. This value is determined by the control parameters your site set when configuring the monitoring agent; it is usually specified as 60.00 (60 seconds). The type is real number (32-bit numeric property) with two decimal places of precision.

The following names are defined for this attribute: INTERVAL_TIME or INT_TIME (historical name), Interval Time (caption), Interval_Time (attribute name), and INT_TIME (column name).

Last Put

The date and time of the last sample interval in which a put is recorded. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_PUT_DATE_AND_TIME or QLASTPUT (historical name), Last Put (caption), Last_Put_Date_and_Time (attribute name), and QLASTPUT (column name).

Last Read

The date and time of the last sample interval in which a read is recorded. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_READ_DATE_AND_TIME or QLASTREAD (historical name), Last Read (caption), Last_Read_Date_and_Time (attribute name), and QLASTREAD (column name).

Max Depth

The maximum number of messages that are allowed on the queue. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MAXIMUM_DEPTH or QMAXDEP (historical name), Max Depth (caption), Maximum_Depth (attribute name), and QMAXDEP (column name).

Msgs Browsed

Not application to the current monitoring agent. The number of messages belonging to this queue, transaction, program, or application that are successfully browsed. This information is only available if Application Queue Statistics are being collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MESSAGES_BROWSED or MSGSBROWSD (historical name), Msgs Browsed (caption), Messages_Browsed (attribute name), and MSGSBROWSD (column name).

Output Msg Size Avg

Not application to the current monitoring agent. The average size of all output messages that belong to this queue, CICS transaction, program, or application. This information is only available if Application Queue Statistics data is collected on z/OS systems (SET APPLICATION

STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the value is 0. This attribute is for z/OS systems only. The type is integer (32-bit gauge).

The following names are defined for this attribute: OUTPUT_MESSAGE_SIZE_AVERAGE or OUTSIZEAVG (historical name), Output Msg Size Avg (caption), Output_Message_Size_Average (attribute name), and OUTSIZEAVG (column name).

Page Set ID

Not application to the current monitoring agent. The page set identifier (a 2-digit integer of 00 - 99). This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: PAGE_SET_ID or PAGESET_ID (historical name), Page Set ID (caption), Page_Set_ID (attribute name), and PAGESET_ID (column name).

Process Name

Name of a process instance that identifies the application. The type is string.

The following names are defined for this attribute: PROCESS_NAME or PROCESS (historical name), Process Name (caption), Process_Name (attribute name), and PROCESS (column name).

Put Status

Indicates whether the current queue is enabled for puts (that is, whether applications can call MQ API routines MQPUT or MQPUT1 for this queue). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Enabled (0), Disabled (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_STATUS or QPUT_INH (historical name), Put Status (caption), Put_Status (attribute name), and QPUT_INH (column name).

QSG Disp

Not applicable to the current monitoring agent. Disposition in the queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), Qmgr (0), Copy (1), Shared (2), Group (3), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QSG_DISPOSITION or QSGDISP (historical name), QSG Disp (caption), QSG_Disposition (attribute name), and QSGDISP (column name).

QSG Name

Not application to the current monitoring agent. The name of the queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: QSG_NAME or QSGNAME (historical name), QSG Name (caption), QSG_Name (attribute name), and QSGNAME (column name).

Queue Type

The type of the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Local (1), Alias (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_TYPE or QTYPE (historical name), Queue Type (caption), Queue_Type (attribute name), and QTYPE (column name).

Queue Usage

The queue usage, either Normal, XmitQ (for a transmission queue), or n/a. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Normal (0), XmitQ (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_USAGE or QUSAGE (historical name), Queue Usage (caption), Queue_Usage (attribute name), and QUSAGE (column name).

Retent Intvl Exceeded

Whether the retention interval (that is, the number of hours this queue must be retained after its creation) is exceeded. If yes, this queue is eligible for deletion. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: RETENTION_INTERVAL_EXCEEDED or QRETINTEX (historical name), Retent Intvl Exceeded (caption), Retention_Interval_Exceeded (attribute name), and QRETINTEX (column name).

Storage Class

Not application to the current monitoring agent. The name of the MQ storage class this queue is assigned to. This attribute is for z/OS systems local queues only. The type is string.

The following names are defined for this attribute: STORAGE_CLASS or STG_CLASS (historical name), Storage Class (caption), Storage_Class (attribute name), and STG_CLASS (column name).

Total Opens

The total number of applications that opened this queue for either input or output. The type is integer (32-bit gauge).

The following names are defined for this attribute: TOTAL_OPENS or QTOPENS (historical name), Total Opens (caption), Total_Opens (attribute name), and QTOPENS (column name).

Trigger Control

Whether trigger messages are enabled for this queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRIGGER_CONTROL or QTRIGG (historical name), Trigger Control (caption), Trigger_Control (attribute name), and QTRIGG (column name).

Trigger Depth

For trigger type Depth, the number of messages that trigger a message to the initiation queue. The type is integer (32-bit numeric property).

The following names are defined for this attribute: TRIGGER_DEPTH or QTDEPTH (historical name), Trigger Depth (caption), Trigger_Depth (attribute name), and QTDEPTH (column name).

Trigger Priority

For trigger types First and Every, the message priority that triggers a message to the initiation queue. The type is integer (32-bit numeric property).

The following names are defined for this attribute: TRIGGER_PRIORITY or QTMSGPRI (historical name), Trigger Priority (caption), Trigger_Priority (attribute name), and QTMSGPRI (column name).

Trigger Type

The condition (First, Every, Depth, or None) that causes a trigger message to be sent to the initiation queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), First (1), Every (2), Depth (3), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRIGGER_TYPE or QTTYPER (historical name), Trigger Type (caption), Trigger_Type (attribute name), and QTTYPER (column name).

Queue Short Term History data set

The Queue Short Term History attributes provide queue statistics for each monitored queue within a queue manager. These attributes are informational only; they cannot be used to create situations. This data is collected at five-minute intervals.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

of Tran/Pgms

Not application to the current monitoring agent. The number of unique CICS transactions or program names. This information is only available if Application Queue Statistics are collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the value is 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: NUMBER_OF_TRANSACTION/PROGRAMS or CNTTRANPGM (historical name), # of Tran/Pgms (caption), Number_of_Transaction/Programs (attribute name), and CNTTRANPGM (column name).

% Full

The current number of messages on the queue divided by the maximum number of messages for the queue and expressed as a percentage. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: PERCENT_FULL or QPCTFULL (historical name), % Full (caption), Percent_Full (attribute name), and QPCTFULL (column name).

Avg Appl Time Between Calls

Not application to the current monitoring agent. The average elapsed time between MQI calls for any instances of the selected application ID, transaction, or program. This information is only available if Application Queue Statistics are collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the value is 0. The value is expressed in seconds, accurate to the third decimal place. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with three decimal places of precision with enumerated values. The following values are defined: Over 24 Days (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: AVERAGE_APPLICATION_TIME_BETWEEN_CALLS or AVGAPPTIME (historical name), Avg Appl Time Between Calls (caption), Average_Application_Time_Between_Calls (attribute name), and AVGAPPTIME (column name).

Avg MQ Resp Time

Not application to the current monitoring agent. The average time that it takes for MQ to respond to all MQI calls. This information is only available if Application Queue Statistics are collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the value is 0. The value is expressed in seconds, accurate to the third decimal place. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with three decimal places of precision.

The following names are defined for this attribute: AVERAGE_MQ_RESPONSE_TIME or AVGMQTIME (historical name), Avg MQ Resp Time (caption), Average_MQ_Response_Time (attribute name), and AVGMQTIME (column name).

Buffer Pool ID

Not application to the current monitoring agent. Indicates the buffer pool that this page set is assigned to. This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: BUFFER_POOL_ID or POOL_ID (historical name), Buffer Pool ID (caption), Buffer_Pool_ID (attribute name), and POOL_ID (column name).

CF Struct Name

Not application to the current monitoring agent. The name of the Coupling Facility application structure for this queue. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: CF_STRUCTURE_NAME or STRNAME (historical name), CF Struct Name (caption), CF_Structure_Name (attribute name), and STRNAME (column name).

Creation Date & Time

The date and time that this MQ object (for example, a channel or queue) is created. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CREATE_DATE_AND_TIME or QCRDAT_TIM (historical name), Creation Date & Time (caption), Create_Date_and_Time (attribute name), and QCRDAT_TIM (column name).

Cur Defn

Whether the queue or channel is currently defined on the monitored queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENTLY_DEFINED or QDEFSTATE (historical name), Cur Defn (caption), Currently_Defined (attribute name), and QDEFSTATE (column name).

Cur Opened Exclusive

Not application to the current monitoring agent. Whether this queue is currently opened for exclusive use during the last data sample. This information is only available if Application Queue Statistics are collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the value is 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), Yes (1), No (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENTLY_OPENED_EXCLUSIVE or CURROPEXCL (historical name), Cur Opened Exclusive (caption), Currently_Opened_Exclusive (attribute name), and CURROPEXCL (column name).

Current Depth

The number of messages that are currently on the queue. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CURRENT_DEPTH or QCURDEP (historical name), Current Depth (caption), Current_Depth (attribute name), and QCURDEP (column name).

Definition Type

The definition type for the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Predefined (1), PermDyn (2), TempDyn (3), Base Q Not Monitored (9999), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFINITION_TYPE or QDEFTYPE (historical name), Definition Type (caption), Definition_Type (attribute name), and QDEFTYPE (column name).

Get Status

Indicates whether the current queue is enabled for gets (that is, whether applications can call MQ API routine MQGET for this queue). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Enabled (0), Disabled (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_STATUS or QGET_INH (historical name), Get Status (caption), Get_Status (attribute name), and QGET_INH (column name).

High Depth Threshold

The percentage of the maximum message depth of the current queue that triggers a Queue Depth High event for this queue. This attribute is expressed as an integer in the range 0 - 100. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGH_DEPTH_THRESHOLD or QDEPTHRESH (historical name), High Depth Threshold (caption), High_Depth_Threshold (attribute name), and QDEPTHRESH (column name).

High Depth Threshold Percent

The percentage of the maximum message depth of the current queue that triggers a Queue Depth High event for this queue. This attribute is expressed as a percentage value to one decimal place. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: HIGH_DEPTH_THRESHOLD_PERCENT or QDEPTHRPCT (historical name), High Depth Threshold Percent (caption), High_Depth_Threshold_Percent (attribute name), and QDEPTHRPCT (column name).

Highest Depth

If queue statistics are collected (SET QUEUE STATISTICS(YES)), this is the highest number of messages in the queue during the sampling interval; otherwise, this value is 0. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_DEPTH or QHIGHDEP (historical name), Highest Depth (caption), Highest_Depth (attribute name), and QHIGHDEP (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Initiation Queue Name

The name of a local queue to which trigger messages are written. The type is string.

The following names are defined for this attribute: INITIATION_QUEUE_NAME or INITQ (historical name), Initiation Queue Name (caption), Initiation_Queue_Name (attribute name), and INITQ (column name).

Input Msg Size Avg

Not application to the current monitoring agent. The average size of all input messages that belong to this queue, transaction, program, or application. This information is only available if Application Queue Statistics are collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the value is 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: INPUT_MESSAGE_SIZE_AVERAGE or INSIZEAVG (historical name), Input Msg Size Avg (caption), Input_Message_Size_Average (attribute name), and INSIZEAVG (column name).

Input Opens

The number of applications that opened this queue for input. This does not include open requests for either inquiry or browse. The valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: INPUT_OPENS or QIPOPENS (historical name), Input Opens (caption), Input_Opens (attribute name), and QIPOPENS (column name).

Interval Time

The size of the current sampling interval, in hundredths of seconds. For example, .50 is half a second. This value is determined by the control parameters your site set when configuring the

monitoring agent; it is usually specified as 60.00 (60 seconds). The type is real number (32-bit numeric property) with two decimal places of precision.

The following names are defined for this attribute: INTERVAL_TIME or INT_TIME (historical name), Interval Time (caption), Interval_Time (attribute name), and INT_TIME (column name).

Last Put

The date and time of the last sample interval in which a put is recorded. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_PUT_DATE_AND_TIME or QLASTPUT (historical name), Last Put (caption), Last_Put_Date_and_Time (attribute name), and QLASTPUT (column name).

Last Read

The date and time of the last sample interval in which a read is recorded. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_READ_DATE_AND_TIME or QLASTREAD (historical name), Last Read (caption), Last_Read_Date_and_Time (attribute name), and QLASTREAD (column name).

Max Depth

The maximum number of messages that are allowed on the queue. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MAXIMUM_DEPTH or QMAXDEP (historical name), Max Depth (caption), Maximum_Depth (attribute name), and QMAXDEP (column name).

Msgs Browsed

Not application to the current monitoring agent. The number of messages belonging to this queue, transaction, program, or application that are successfully browsed. This information is only available if Application Queue Statistics are collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the value is 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MESSAGES_BROWSED or MSGSBROWSD (historical name), Msgs Browsed (caption), Messages_Browsed (attribute name), and MSGSBROWSD (column name).

Msgs Put

The number of messages that are put to the queue during the sampling interval. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MESSAGES_PUT or MSGSPUT (historical name), Msgs Put (caption), Messages_Put (attribute name), and MSGSPUT (column name).

Msgs Put per Sec

The rate per second of messages that are put to the queue. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: MESSAGES_PUT_PER_SECOND or QPUTRATE (historical name), Msgs Put per Sec (caption), Messages_Put_per_Second (attribute name), and QPUTRATE (column name).

Msgs Read

The number of messages that are read and removed from the queue during the sampling interval. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MESSAGES_READ or MSGSREAD (historical name), Msgs Read (caption), Messages_Read (attribute name), and MSGSREAD (column name).

Msgs Read per Sec

The rate per second of messages that are read from the queue. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: MESSAGES_READ_PER_SECOND or QREADRATE (historical name), Msgs Read per Sec (caption), Messages_Read_per_Second (attribute name), and QREADRATE (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Output Msg Size Avg

Not application to the current monitoring agent. The average size of all output messages that belong to this queue, CICS transaction, program, or application. This information is only available if Application Queue Statistics are collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the value is 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: OUTPUT_MESSAGE_SIZE_AVERAGE or OUTSIZEAVG (historical name), Output Msg Size Avg (caption), Output_Message_Size_Average (attribute name), and OUTSIZEAVG (column name).

Output Opens

The number of applications that have opened this queue for output. Valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: OUTPUT_OPENS or QOPOPENS (historical name), Output Opens (caption), Output_Opens (attribute name), and QOPOPENS (column name).

Page Set ID

Not application to the current monitoring agent. The page set identifier (a 2-digit integer of 00 - 99). This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: PAGE_SET_ID or PAGESET_ID (historical name), Page Set ID (caption), Page_Set_ID (attribute name), and PAGESET_ID (column name).

Process Name

The name of a process instance that identifies the application. Note that when writing a situation, a particular process name can sometimes be used to identify a group of critically important queues more easily than writing a separate situation for each queue name. The type is string.

The following names are defined for this attribute: PROCESS_NAME or PROCESS (historical name), Process Name (caption), Process_Name (attribute name), and PROCESS (column name).

Put Status

Indicates whether the current queue is enabled for puts (that is, whether applications may call MQ API routines MQPUT or MQPUT1 for this queue). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Enabled (0), Disabled (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_STATUS or QPUT_INH (historical name), Put Status (caption), Put_Status (attribute name), and QPUT_INH (column name).

QMgr Name

The name that is assigned to this queue manager. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

QSG Disp

Not application to the current monitoring agent. The disposition of this queue sharing group.

This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), Qmgr (0), Copy (1), Shared (2), Group (3), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QSG_DISPOSITION or QSGDISP (historical name), QSG Disp (caption), QSG_Disposition (attribute name), and QSGDISP (column name).

QSG Name

Not application to the current monitoring agent. The name of the queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: QSG_NAME or QSGNAME (historical name), QSG Name (caption), QSG_Name (attribute name), and QSGNAME (column name).

Queue Name

The name of the queue that is specified in the application's MQOPEN call (MQOD_ObjectName). The type is string.

The following names are defined for this attribute: QUEUE_NAME or QNAME (historical name), Queue Name (caption), Queue_Name (attribute name), and QNAME (column name).

Queue Type

Type of the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Local (1), Alias (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_TYPE or QTYPE (historical name), Queue Type (caption), Queue_Type (attribute name), and QTYPE (column name).

Queue Usage

The queue usage, either Normal, XmitQ (for a transmission queue), or n/a. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Normal (0), XmitQ (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_USAGE or QUSAGE (historical name), Queue Usage (caption), Queue_Usage (attribute name), and QUSAGE (column name).

Retent Intvl Exceeded

Whether the retention interval (that is, the number of hours this queue must be retained after its creation) is exceeded. If yes, this queue is eligible for deletion. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: RETENTION_INTERVAL_EXCEEDED or QRETINTEX (historical name), Retent Intvl Exceeded (caption), Retention_Interval_Exceeded (attribute name), and QRETINTEX (column name).

Sample Date & Time

The date and time of the sample. The type is timestamp.

The following names are defined for this attribute: SAMPLE_DATE_AND_TIME or SDATE_TIME (historical name), Sample Date & Time (caption), Sample_Date_and_Time (attribute name), and SDATE_TIME (column name).

Storage Class

Not application to the current monitoring agent. The name of the MQ storage class this queue is assigned to. This attribute is for z/OS systems local queues only. The type is string.

The following names are defined for this attribute: STORAGE_CLASS or STG_CLASS (historical name), Storage Class (caption), Storage_Class (attribute name), and STG_CLASS (column name).

Time to Full Queue (Secs)

The amount of time, in seconds, that it takes for the queue to reach maximum allowed depth given the current depth, maximum depth, messages read per second, and messages put per second. If this value cannot be calculated with the current rates, the following values might be set: The type is real number (32-bit numeric property) with two decimal places of precision with enumerated values. The following values are defined: Equal Put Get Rates (-1), Zero Put Get Rates (-2), Sufficient Get Rate (-3), n/a (-4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `TIME_TO_FULL_QUEUE` or `QTIMEFULL` (historical name), Time to Full Queue (Secs) (caption), `Time_to_Full_Queue` (attribute name), and `QTIMEFULL` (column name).

Time to Zero Msgs (Secs)

The amount of time, in seconds, that it takes for the queue to have no messages given the current depth, messages read per second, and messages put per second. If this value cannot be calculated with the current rates, the following values might be set: The type is real number (32-bit numeric property) with two decimal places of precision with enumerated values. The following values are defined: Equal Put Get Rates (-1), Zero Put Get Rates (-2), Deficient Get Rate (-3), n/a (-4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `TIME_TO_ZERO_MESSAGES` or `QTIMEZERO` (historical name), Time to Zero Msgs (Secs) (caption), `Time_to_Zero_Messages` (attribute name), and `QTIMEZERO` (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: `TIMESTAMP` (historical name), Timestamp (caption), `Timestamp` (attribute name), and `TIMESTAMP` (column name).

Total Opens

The total number of applications that opened this queue for either input or output. This does not include open requests for either inquiry or browse. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `TOTAL_OPENS` or `QTOPENS` (historical name), Total Opens (caption), `Total_Opens` (attribute name), and `QTOPENS` (column name).

Trigger Control

Whether trigger messages are enabled for this queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `TRIGGER_CONTROL` or `QTRIGG` (historical name), Trigger Control (caption), `Trigger_Control` (attribute name), and `QTRIGG` (column name).

Trigger Depth

For trigger type Depth, the number of messages that trigger a message to the initiation queue. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `TRIGGER_DEPTH` or `QTDEPTH` (historical name), Trigger Depth (caption), `Trigger_Depth` (attribute name), and `QTDEPTH` (column name).

Trigger Priority

For trigger types First and Every, the message priority that triggers a message to the initiation queue. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `TRIGGER_PRIORITY` or `QTMSGPRI` (historical name), Trigger Priority (caption), `Trigger_Priority` (attribute name), and `QTMSGPRI` (column name).

Trigger Type

The condition (First, Every, Depth, or None) that causes a trigger message to be sent to the

initiation queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), First (1), Every (2), Depth (3), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRIGGER_TYPE or QTTYPE (historical name), Trigger Type (caption), Trigger_Type (attribute name), and QTTYPE (column name).

Queue Statistics data set

The Queue Statistics attributes provide queue statistics for each monitored queue within a queue manager. This data is collected at five-minute intervals. It is not recommended to use Queue Statistics attributes to create situations, because the situations might be inconsistent with the data presented on the monitoring agent dashboards. Use Queue Data attributes to create situations instead. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default.

The attributes shown in *italic* are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

of Tran/Pgms

Not application to the current monitoring agent. The number of unique CICS transactions or program names. This information is only available if Application Queue Statistics are being collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: NUMBER_OF_TRANSACTION/PROGRAMS or CNTTRANPGM (historical name), # of Tran/Pgms (caption), Number_of_Transaction/Programs (attribute name), and CNTTRANPGM (column name).

% Full

The current number of messages on the queue (the current depth) divided by the maximum number of messages for the queue and expressed as a percentage. The valid format is a decimal (formatted to 1 decimal place) in the range 0.0 - 100.0. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: PERCENT_FULL or QPCTFULL (historical name), % Full (caption), Percent_Full (attribute name), and QPCTFULL (column name).

Msgs Put per Sec

The rate per second of messages that are put to the queue. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: MESSAGES_PUT_PER_SECOND or QPUTRATE (historical name), *Msgs Put per Sec* (caption), Messages_Put_per_Second (attribute name), and QPUTRATE (column name).

Msgs Put

The number of messages that are put to the queue during the sampling interval. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MESSAGES_PUT or MSGSPUT (historical name), *Msgs Put* (caption), Messages_Put (attribute name), and MSGSPUT (column name).

Msgs Read per Sec

The rate per second of messages that are read from the queue. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: MESSAGES_READ_PER_SECOND or QREADRATE (historical name), *Msgs Read per Sec* (caption), Messages_Read_per_Second (attribute name), and QREADRATE (column name).

Msgs Read

The number of messages that are read and removed from the queue during the sampling interval. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MESSAGES_READ or MSGSREAD (historical name), *Msgs Read* (caption), Messages_Read (attribute name), and MSGSREAD (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), *QMgr Name* (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Queue Name

The name of a queue that is managed by the selected queue manager. The valid format is an alphanumeric string of up to 48 case-sensitive characters. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: QUEUE_NAME or QNAME (historical name), *Queue Name* (caption), Queue_Name (attribute name), and QNAME (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Avg Appl Time Between Calls

Not application to the current monitoring agent. The average elapsed time between MQI calls for any instances of the selected application ID, transaction, or program. This information is only available if Application Queue Statistics are being collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. The value is expressed in seconds, accurate to the third decimal place. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with three decimal places of precision with enumerated values. The following values are defined: Over 24 Days (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute:

AVERAGE_APPLICATION_TIME_BETWEEN_CALLS or AVGAPPTIME (historical name), Avg Appl Time Between Calls (caption), Average_Application_Time_Between_Calls (attribute name), and AVGAPPTIME (column name).

Avg MQ Resp Time

Not application to the current monitoring agent. The average time that it takes for MQ to respond to all MQI calls. This information is only available if Application Queue Statistics are being collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. The value is expressed in seconds, accurate to the third decimal place. This attribute is for z/OS systems only. The type is real number (32-bit numeric property) with three decimal places of precision.

The following names are defined for this attribute: AVERAGE_MQ_RESPONSE_TIME or AVGMQTIME (historical name), Avg MQ Resp Time (caption), Average_MQ_Response_Time (attribute name), and AVGMQTIME (column name).

Buffer Pool ID

Not applicable to the current monitoring agent. Indicates the buffer pool that this page set is assigned to. This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: BUFFER_POOL_ID or POOL_ID (historical name), Buffer Pool ID (caption), Buffer_Pool_ID (attribute name), and POOL_ID (column name).

CF Struct Name

Not applicable to the current monitoring agent. The name of the Coupling Facility application structure for this queue. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: CF_STRUCTURE_NAME or STRNAME (historical name), CF Struct Name (caption), CF_Structure_Name (attribute name), and STRNAME (column name).

Creation Date & Time

The date and time that this MQ object (for example, a channel or queue) is created. The valid format is the standard 16-character date/time format (CYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CREATE_DATE_AND_TIME or QCRDAT_TIM (historical name), Creation Date & Time (caption), Create_Date_and_Time (attribute name), and QCRDAT_TIM (column name).

Cur Defn

Whether the queue or channel is currently defined on the monitored queue manager. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENTLY_DEFINED or QDEFSTATE (historical name), Cur Defn (caption), Currently_Defined (attribute name), and QDEFSTATE (column name).

Cur Opened Exclusive

Not applicable to the current monitoring agent. Whether this queue currently is opened for exclusive use during the last data sample. This information is only available if Application Queue Statistics are being collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), Yes (1), No (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CURRENTLY_OPENED_EXCLUSIVE or CURROPEXCL (historical name), Cur Opened Exclusive (caption), Currently_Opened_Exclusive (attribute name), and CURROPEXCL (column name).

Current Depth

The number of messages currently on the queue. The type is integer (32-bit numeric property).

The following names are defined for this attribute: CURRENT_DEPTH or QCURDEP (historical name), Current Depth (caption), Current_Depth (attribute name), and QCURDEP (column name).

Definition Type

The definition type for the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Predefined (1), PermDyn (2), TempDyn (3), Base Q Not Monitored (9999), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DEFINITION_TYPE or QDEFTYPE (historical name), Definition Type (caption), Definition_Type (attribute name), and QDEFTYPE (column name).

Get Status

Indicates whether the current queue is enabled for gets (whether applications can call MQ API routine MQGET for this queue). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Enabled (0), Disabled (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: GET_STATUS or QGET_INH (historical name), Get Status (caption), Get_Status (attribute name), and QGET_INH (column name).

High Depth Threshold

The percentage of the maximum message depth of the current queue that triggers a Queue Depth High event for this queue. This attribute is expressed as an integer in the range 0 -100. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: HIGH_DEPTH_THRESHOLD or QDEPTHRESH (historical name), High Depth Threshold (caption), High_Depth_Threshold (attribute name), and QDEPTHRESH (column name).

High Depth Threshold Percent

The percentage of the maximum message depth of the current queue that triggers a Queue Depth High event for this queue. This attribute is expressed as a percentage value to one decimal place. The type is real number (32-bit numeric property) with one decimal places of precision.

The following names are defined for this attribute: HIGH_DEPTH_THRESHOLD_PERCENT or QDEPTHRPCT (historical name), High Depth Threshold Percent (caption), High_Depth_Threshold_Percent (attribute name), and QDEPTHRPCT (column name).

Highest Depth

If queue statistics are collected (SET QUEUE STATISTICS(YES)), this is the highest number of messages in the queue during the sampling interval; otherwise, this value is 0. The type is integer (32-bit numeric property).

The following names are defined for this attribute: HIGHEST_DEPTH or QHIGHDEP (historical name), Highest Depth (caption), Highest_Depth (attribute name), and QHIGHDEP (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Initiation Queue Name

The name of a local queue to which trigger messages are written. The type is string.

The following names are defined for this attribute: INITIATION_QUEUE_NAME or INITQ (historical name), Initiation Queue Name (caption), Initiation_Queue_Name (attribute name), and INITQ (column name).

Input Msg Size Avg

Not application to the current monitoring agent. The average size of all input messages that belong to this queue, transaction, program, or application. This information is only available if Application Queue Statistics are being collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: INPUT_MESSAGE_SIZE_AVERAGE or INSIZEAVG (historical name), Input Msg Size Avg (caption), Input_Message_Size_Average (attribute name), and INSIZEAVG (column name).

Input Opens

The number of applications that opened this queue for input. This does not include open requests for either inquiry or browse. The type is integer (32-bit numeric property).

The following names are defined for this attribute: INPUT_OPENS or QIPOPENS (historical name), Input Opens (caption), Input_Opens (attribute name), and QIPOPENS (column name).

Interval Time

The size of the current sampling interval, expressed in hundredths of seconds. For example, . 50 is half a second. This value is determined by the control parameters your site set when configuring the monitoring agent; it is usually specified as 60. 00 (60 seconds). The type is real number (32-bit numeric property) with two decimal places of precision.

The following names are defined for this attribute: INTERVAL_TIME or INT_TIME (historical name), Interval Time (caption), Interval_Time (attribute name), and INT_TIME (column name).

Last Put

The date and time of the last sample interval in which a put is recorded. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_PUT_DATE_AND_TIME or QLASTPUT (historical name), Last Put (caption), Last_Put_Date_and_Time (attribute name), and QLASTPUT (column name).

Last Read

The date and time of the last sample interval in which a read is recorded. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_READ_DATE_AND_TIME or QLASTREAD (historical name), Last Read (caption), Last_Read_Date_and_Time (attribute name), and QLASTREAD (column name).

Max Depth

The maximum number of messages that are allowed on the queue. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MAXIMUM_DEPTH or QMAXDEP (historical name), Max Depth (caption), Maximum_Depth (attribute name), and QMAXDEP (column name).

Msgs Browsed

Not application to the current monitoring agent. The number of messages belonging to this queue, transaction, program, or application that are successfully browsed. This information is only available if Application Queue Statistics are being collected on z/OS systems (SET APPLICATION STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MESSAGES_BROWSED or MSGSBROWSD (historical name), Msgs Browsed (caption), Messages_Browsed (attribute name), and MSGSBROWSD (column name).

Output Msg Size Avg

Not application to the current monitoring agent. The average size of all output messages that belong to this queue, transaction, program, or application. This information is only available if Application Queue Statistics are being collected on z/OS systems (SET APPLICATION

STATISTICS(ALL|NODYNAMQ)). If Application Queue Statistics monitoring is not active, the values are 0. This attribute is for z/OS systems only. The type is integer (32-bit numeric property).

The following names are defined for this attribute: OUTPUT_MESSAGE_SIZE_AVERAGE or OUTSIZEAVG (historical name), Output Msg Size Avg (caption), Output_Message_Size_Average (attribute name), and OUTSIZEAVG (column name).

Output Opens

The number of applications that opened this queue for output. The type is integer (32-bit numeric property).

The following names are defined for this attribute: OUTPUT_OPENS or QOPOPENS (historical name), Output Opens (caption), Output_Opens (attribute name), and QOPOPENS (column name).

Page Set ID

Not application to the current monitoring agent. The page set identifier (a 2-digit integer of 00 - 99). 98, 99. This attribute is for z/OS systems only. The type is string.

The following names are defined for this attribute: PAGE_SET_ID or PAGESET_ID (historical name), Page Set ID (caption), Page_Set_ID (attribute name), and PAGESET_ID (column name).

Process Name

The name of a process instance that identifies the application. Note that when writing a situation, a particular process name can sometimes be used to identify a group of critically important queues more easily than writing a separate situation for each queue name. The type is string.

The following names are defined for this attribute: PROCESS_NAME or PROCESS (historical name), Process Name (caption), Process_Name (attribute name), and PROCESS (column name).

Put Status

Indicates whether the current queue is enabled for puts (that is, whether applications can call MQ API routines MQPUT or MQPUT1 for this queue). The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Enabled (0), Disabled (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUT_STATUS or QPUT_INH (historical name), Put Status (caption), Put_Status (attribute name), and QPUT_INH (column name).

QSG Disp

Not applicable to the current monitoring agent. The disposition of this queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), Qmgr (0), Copy (1), Shared (2), Group (3), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QSG_DISPOSITION or QSGDISP (historical name), QSG Disp (caption), QSG_Disposition (attribute name), and QSGDISP (column name).

QSG Name

Not applicable to the current monitoring agent. The name of the queue sharing group. This attribute is for QSG environment on z/OS systems only. The type is string.

The following names are defined for this attribute: QSG_NAME or QSGNAME (historical name), QSG Name (caption), QSG_Name (attribute name), and QSGNAME (column name).

Queue Description

A description of the queue. This can be useful when using eventing thresholds, because you can use the description field to implement a scheme for classifying queues into groups. In this way you can create a situation that is only triggered by queues belonging to a particular group, avoiding the necessity of creating a separate situation for each individual queue, as you would need to if the queue name attribute were used instead. The type is string.

The following names are defined for this attribute: `QUEUE_DESCRIPTION_U` or `UQDESC` (historical name), Queue Description (caption), `Queue_Description_U` (attribute name), and `UQDESC` (column name).

Queue Type

Type of the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Local (1), Alias (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QUEUE_TYPE` or `QTYPE` (historical name), Queue Type (caption), `Queue_Type` (attribute name), and `QTYPE` (column name).

Queue Usage

The queue usage, either Normal, XmitQ (for a transmission queue), or n/a. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Normal (0), XmitQ (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QUEUE_USAGE` or `QUSAGE` (historical name), Queue Usage (caption), `Queue_Usage` (attribute name), and `QUSAGE` (column name).

Ret Intvl Exceeded

Whether the retention interval (that is, the number of hours this queue must be retained after its creation) is exceeded. If yes, this queue is eligible for deletion. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `RETENTION_INTERVAL_EXCEEDED` or `QRETINTEX` (historical name), Ret Intvl Exceeded (caption), `Retention_Interval_Exceeded` (attribute name), and `QRETINTEX` (column name).

Storage Class

Not application to the current monitoring agent. The name of the MQ storage class this queue is assigned to. This attribute is for z/OS system local queues only. The type is string.

The following names are defined for this attribute: `STORAGE_CLASS` or `STG_CLASS` (historical name), Storage Class (caption), `Storage_Class` (attribute name), and `STG_CLASS` (column name).

Time to Full Queue (Secs)

The amount of time, in seconds, that it takes for the queue to reach maximum allowed depth given the current depth, maximum depth, messages read per second, and messages put per second. The type is real number (32-bit numeric property) with two decimal places of precision with enumerated values. The following values are defined: Equal Put Get Rates (-1), Zero Put Get Rates (-2), Sufficient Get Rate (-3), n/a (-4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `TIME_TO_FULL_QUEUE` or `QTIMEFULL` (historical name), Time to Full Queue (Secs) (caption), `Time_to_Full_Queue` (attribute name), and `QTIMEFULL` (column name).

Time to Zero Msgs (Secs)

The amount of time, in seconds, that it takes for the queue to have no messages given the current depth, messages read per second, and messages put per second. The type is real number (32-bit numeric property) with two decimal places of precision with enumerated values. The following values are defined: Equal Put Get Rates (-1), Zero Put Get Rates (-2), Deficient Get Rate (-3), n/a (-4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `TIME_TO_ZERO_MESSAGES` or `QTIMEZERO` (historical name), Time to Zero Msgs (Secs) (caption), `Time_to_Zero_Messages` (attribute name), and `QTIMEZERO` (column name).

Total Opens

The total number of applications that have opened this queue for either input or output. This does not include open requests for either inquiry or browse. The valid format is an integer. The type is integer (32-bit numeric property).

The following names are defined for this attribute: TOTAL_OPENS or QTOPENS (historical name), Total Opens (caption), Total_Opens (attribute name), and QTOPENS (column name).

Trigger Control

Whether trigger messages are enabled for this queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRIGGER_CONTROL or QTRIGG (historical name), Trigger Control (caption), Trigger_Control (attribute name), and QTRIGG (column name).

Trigger Depth

For trigger type Depth, the number of messages that trigger a message to the initiation queue. The type is integer (32-bit numeric property).

The following names are defined for this attribute: TRIGGER_DEPTH or QTDEPTH (historical name), Trigger Depth (caption), Trigger_Depth (attribute name), and QTDEPTH (column name).

Trigger Priority

For trigger types First and Every, the message priority that triggers a message to the initiation queue. The type is integer (32-bit numeric property).

The following names are defined for this attribute: TRIGGER_PRIORITY or QTMSGPRI (historical name), Trigger Priority (caption), Trigger_Priority (attribute name), and QTMSGPRI (column name).

Trigger Type

The condition (First, Every, Depth, or None) that causes a trigger message to be sent to the initiation queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: None (0), First (1), Every (2), Depth (3), n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TRIGGER_TYPE or QTTYPER (historical name), Trigger Type (caption), Trigger_Type (attribute name), and QTTYPER (column name).

Queue Status data set

Use the Queue Status attributes to view the most current status data about a specifically chosen queue. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values. A data sample is sent to the server every minute and is maintained for 8 days by default.

The attributes shown in *italic* are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Current Depth

The number of messages that are currently on the queue; this includes both committed and uncommitted messages. The type is integer (32-bit gauge).

The following names are defined for this attribute: CURRENT_DEPTH or CURDEPTH (historical name), *Current Depth* (caption), Current_Depth (attribute name), and CURDEPTH (column name).

Input Opens

The number of handles that are currently open for input (either shared or exclusive), this does not include opens for browsing. The type is integer (32-bit gauge).

The following names are defined for this attribute: INPUT_OPENS or NINPUT (historical name), *Input Opens* (caption), Input_Opens (attribute name), and NINPUT (column name).

Last Get Date & Time

The date and time that the last message is destructively read from the queue. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_GET_DATE_AND_TIME or LGDAT_TIM (historical name), *Last Get Date & Time* (caption), Last_Get_Date_and_Time (attribute name), and LGDAT_TIM (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Oldest Msg Age

Age, in seconds, of the oldest message on the queue. The maximum displayable value is 999,999,999; if the age exceeds this value, 999,999,999 is displayed. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: OLDEST_MESSAGE_AGE or MSGAGE (historical name), *Oldest Msg Age* (caption), Oldest_Message_Age (attribute name), and MSGAGE (column name).

Output Opens

The number of handles that are currently open for output. The valid format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: OUTPUT_OPENS or NOUTPUT (historical name), *Output Opens* (caption), Output_Opens (attribute name), and NOUTPUT (column name).

QMgr Name

The name that is assigned to this queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), *QMgr Name* (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Queue Name

The name of a queue that is managed by the selected queue manager. This attribute is required to be given in queries to this attribute group. The valid format is an alphanumeric string of up to 48 case-sensitive characters. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: QUEUE_NAME or QNAME (historical name), *Queue Name* (caption), Queue_Name (attribute name), and QNAME (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Last Put Date & Time

The date and time that the last message is successfully put to the queue. Standard 16-character date/time format (CYMMDDHHMMSSmmm), where C stands for century (0 for 20th, 1 for 21st); YY stands for Year; MM stands for month; DD stands for Day; HH stands for hour; MM stands for minute; SS stands for second; mmm stands for millisecond. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_PUT_DATE_AND_TIME or LPDAT_TIM (historical name), Last Put Date & Time (caption), Last_Put_Date_and_Time (attribute name), and LPDAT_TIM (column name).

Long Term Queue Time

The time that messages remain on queue in microseconds over a long period of time. The maximum displayable value is 999,999,999. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LONG_TERM_QUEUE_TIME or QTIMEL (historical name), Long Term Queue Time (caption), Long_Term_Queue_Time (attribute name), and QTIMEL (column name).

Media Recovery Log Extent

The log extent or journal receiver needed for media recovery of the queue. On queue managers on which circular logging is in place, The media recovery log extent is returned as a null string. This attribute is valid on AIX , HP-UX, Linux , i5/OS , Solaris, and Windows systems. The type is string.

The following names are defined for this attribute: MEDIA_RECOVERY_LOG_EXTENT or MEDIALOG (historical name), Media Recovery Log Extent (caption), Media_Recovery_Log_Extent (attribute name), and MEDIALOG (column name).

QSG Disp

Not application to the current monitoring agent. Indicates the disposition of the queue in a queue-sharing group environment. This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), Qmgr (0), Copy (1), Shared (2), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QSG_DISPOSITION or QSGDISP (historical name), QSG Disp (caption), QSG_Disposition (attribute name), and QSGDISP (column name).

Queue Monitoring

The current level of monitoring data collection for the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Off (0), On (1), Low (17), Medium (33), High (65). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: QUEUE_MONITORING or MONQ (historical name), Queue Monitoring (caption), Queue_Monitoring (attribute name), and MONQ (column name).

Short Term Queue Time

The time that messages remain on queue in microseconds over a short period of time. The maximum displayable value is 999,999,999. The type is integer (32-bit gauge) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SHORT_TERM_QUEUE_TIME or QTIMES (historical name), Short Term Queue Time (caption), Short_Term_Queue_Time (attribute name), and QTIMES (column name).

Uncommitted Msgs

Whether there are any uncommitted messages on the queue. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: UNCOMMITTED_MESSAGES or UNCOM (historical name), Uncommitted Msgs (caption), Uncommitted_Messages (attribute name), and UNCOM (column name).

Service Status data set

The Service Status attributes provide status and definitional information about the MQ services. A data sample is sent to the server every minute and is maintained for 8 days by default.

The attributes shown in *italic* are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Alter Date & Time

The date and time when the service definition was last altered. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ALTER_DATE_AND_TIME or ALTDAT_TIM (historical name), *Alter Date & Time* (caption), Alter_Date_and_Time (attribute name), and ALTDAT_TIM (column name).

Description

A descriptive comment of the service. The type is string.

The following names are defined for this attribute: DESCRIPTION or DESCR (historical name), *Description* (caption), Description (attribute name), and DESCR (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Process Id

The operating system process identifier associated with the service. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PROCESS_ID or PID (historical name), *Process Id* (caption), Process_Id (attribute name), and PID (column name).

Service Name

The name of the service. The type is string.

The following names are defined for this attribute: SERVICE_NAME or SVCNAME (historical name), *Service Name* (caption), Service_Name (attribute name), and SVCNAME (column name).

Service Type

The mode in which the service is to run. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Command (0), Server (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SERVICE_TYPE or SVCTYPE (historical name), *Service Type* (caption), Service_Type (attribute name), and SVCTYPE (column name).

Start Arguments

The arguments to be passed to the user program at queue manager startup. The type is string.

The following names are defined for this attribute: START_ARGUMENTS or STARTARG (historical name), *Start Arguments* (caption), Start_Arguments (attribute name), and STARTARG (column name).

Start Command

The name of the program which is to run. The type is string.

The following names are defined for this attribute: START_COMMAND or STARTCMD (historical name), *Start Command* (caption), Start_Command (attribute name), and STARTCMD (column name).

Start Date & Time

The date and time when the service was started. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: START_DATE_AND_TIME or START_DATI (historical name), *Start Date & Time* (caption), Start_Date_and_Time (attribute name), and START_DATI (column name).

Start Mode

Specifies how the service is to be started and stopped. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Queue Manager (0), QMgr Start Only (1), Manual (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: START_MODE or CONTROL (historical name), *Start Mode* (caption), Start_Mode (attribute name), and CONTROL (column name).

Status The current status of the process. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Stopped (0), Starting (1), Running (2), Stopping (3), Retrying (4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: STATUS (historical name), *Status* (caption), Status (attribute name), and STATUS (column name).

Stderr Destination

The path to a file to which the standard error (stderr) of the service program is to be redirected. The type is string.

The following names are defined for this attribute: STDERR_DESTINATION or STDERRDEST (historical name), *Stderr Destination* (caption), Stderr_Destination (attribute name), and STDERRDEST (column name).

Stdout Destination

The path to the file to which the standard output (stdout) of the service program is to be redirected. The type is string.

The following names are defined for this attribute: STDOUT_DESTINATION or STDOUTDEST (historical name), *Stdout Destination* (caption), Stdout_Destination (attribute name), and STDOUTDEST (column name).

Stop Arguments

The arguments to be passed to the stop program when the service is requested to stop. The type is string.

The following names are defined for this attribute: STOP_ARGUMENTS or STOPARG (historical name), *Stop Arguments* (caption), Stop_Arguments (attribute name), and STOPARG (column name).

Stop Command

The name of the program that is to run when the service is requested to stop. The type is string.

The following names are defined for this attribute: STOP_COMMAND or STOPCMD (historical name), *Stop Command* (caption), Stop_Command (attribute name), and STOPCMD (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Host Name

The name of the system on which this queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

QMgr Name

The name of the queue manager. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Subscription Definitions data set

The Subscription Definitions attributes provide information of all subscriptions. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Accounting Token

The accounting token that is provided by the subscriber and inserted into messages sent to this subscription in the Accounting Token field of the MQMD. The type is string.

The following names are defined for this attribute: ACCOUNTING_TOKEN or PUBACCT (historical name), Accounting Token (caption), Accounting_Token (attribute name), and PUBACCT (column name).

Alter Date & Time

Date and time that the subscriber is last modified. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ALTER_DATE_AND_TIME or ADATETIME (historical name), Alter Date & Time (caption), Alter_Date_and_Time (attribute name), and ADATETIME (column name).

Appl ID

Identity data that is provided by the subscriber and inserted into messages sent to this subscription in the ApplIdentityData field of the MQMD. The type is string.

The following names are defined for this attribute: APPLICATION_IDENTIFER or PUBAPPID (historical name), Appl ID (caption), Application_Identitifer (attribute name), and PUBAPPID (column name).

Creation Date & Time

Date and time that the subscriber is created. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `CREATE_DATE_AND_TIME` or `CDATETIME` (historical name), Creation Date & Time (caption), `Create_Date_and_Time` (attribute name), and `CDATETIME` (column name).

Destination

The name of the destination that is used by the subscription. The type is string.

The following names are defined for this attribute: `DESTINATION` or `DEST` (historical name), Destination (caption), `Destination` (attribute name), and `DEST` (column name).

Destination Correlation ID

The correlation ID of the destination queue that is used by the subscription. The type is string.

The following names are defined for this attribute: `DESTINATION_CORRELATION_IDENTIFIER` or `DESTCORL` (historical name), Destination Correlation ID (caption), `Destination_Correlation_Identifier` (attribute name), and `DESTCORL` (column name).

Destination Event

The destination event type. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Queue Full (2053), Queue Depth High (2224). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `DESTINATION_EVENT` or `DESTEVENT` (historical name), Destination Event (caption), `Destination_Event` (attribute name), and `DESTEVENT` (column name).

Destination QMgr

The name of the destination queue manager. The type is string.

The following names are defined for this attribute: `DESTINATION_QUEUE_MANAGER` or `DESTQMGR` (historical name), Destination QMgr (caption), `Destination_Queue_Manager` (attribute name), and `DESTQMGR` (column name).

Durable

Whether the subscription is durable. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Yes (1), No (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `DURABLE` (historical name), Durable (caption), `Durable` (attribute name), and `DURABLE` (column name).

Expire (Secs)

The length of time in seconds until the subscription expires. If the subscription does not expire, this value is -1. The type is real number (32-bit numeric property) with one decimal places of precision with enumerated values. The following values are defined: Unlimited (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `EXPIRATION` or `EXPIRY` (historical name), Expire (Secs) (caption), `Expiration` (attribute name), and `EXPIRY` (column name).

Host Name

Name of the system on which the queue manager is running. The type is string.

The following names are defined for this attribute: `HOST_NAME` (historical name), Host Name (caption), `Host_Name` (attribute name), and `HOST_NAME` (column name).

Max Rows

The maximum number of rows that are returned by the monitoring agent as the result of a query. The default value is 2000 rows. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Unlimited (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `MAXIMUM_RETURNED_ROWS` or `MAXROW` (historical name), `Max Rows` (caption), `Maximum_Returned_Rows` (attribute name), and `MAXROW` (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `NODE` (historical name), `Node` (caption), `ORIGINNODE` (attribute name), and `ORIGINNODE` (column name).

Property Type

The method of message delivery. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `None` (0), `Compat` (1), `RFH2` (2), `MsgProp` (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `MESSAGE_PROPERTY_TYPE` or `PSPROP` (historical name), `Property Type` (caption), `Message_Property_Type` (attribute name), and `PSPROP` (column name).

Pub Priority

The message priority. Valid values are 1 - 9 representing the priority of the message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `AsQDefined` (-1), `AsPublished` (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `PUBLICATION_PRIORITY` or `PUBPRTY` (historical name), `Pub Priority` (caption), `Publication_Priority` (attribute name), and `PUBPRTY` (column name).

QMgr Name

Name of the queue manager. Valid format is an alphanumeric string of up to 48 case-sensitive characters. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `MQ_MANAGER_NAME` or `QMNAME` (historical name), `QMgr Name` (caption), `MQ_Manager_Name` (attribute name), and `QMNAME` (column name).

Request Only

Whether the subscriber requests updates. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `n/a` (-1), `Yes` (1), `No` (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `REQUEST_ONLY` or `REQONLY` (historical name), `Request Only` (caption), `Request_Only` (attribute name), and `REQONLY` (column name).

Status The status for search. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `OK` (0), `No Results Found` (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SEARCH_STATUS` or `STATUS` (historical name), `Status` (caption), `Search_Status` (attribute name), and `STATUS` (column name).

Sub ID

Unique Subscription Identifier. Valid format is an alphanumeric string of up to 48 case-sensitive characters. The hover help only displays the first character of the Sub ID when you move the cursor over this column. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `SUBSCRIPTION_IDENTIFIER` or `SUBID` (historical name), `Sub ID` (caption), `Subscription_Identifier` (attribute name), and `SUBID` (column name).

Sub Level

The level within the subscription interception hierarchy at which this subscription is made. The type is integer (32-bit numeric property).

The following names are defined for this attribute: SUBSCRIPTION_LEVEL or SUBLEVEL (historical name), Sub Level (caption), Subscription_Level (attribute name), and SUBLEVEL (column name).

Sub Name

The name of the application subscription. The type is string.

The following names are defined for this attribute: SUBSCRIPTION_NAME_U or USUBNAME (historical name), Sub Name (caption), Subscription_Name_U (attribute name), and USUBNAME (column name).

Sub Scope

The scope of the subscription. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), QMgr (1), All (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SUBSCRIPTION_SCOPE or SUBSCOPE (historical name), Sub Scope (caption), Subscription_Scope (attribute name), and SUBSCOPE (column name).

Sub Type

The type of the subscription. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: User (-2), All (-1), API (1), Admin (2), Proxy (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SUBSCRIPTION_TYPE or SUBTYPE (historical name), Sub Type (caption), Subscription_Type (attribute name), and SUBTYPE (column name).

Sub User

The user ID of the user that currently owns this subscription. The type is string.

The following names are defined for this attribute: SUBSCRIPTION_USER or SUBUSER (historical name), Sub User (caption), Subscription_User (attribute name), and SUBUSER (column name).

System Managed Destination

The system managed destination. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Managed (1), Provided (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SYSTEM_MANAGED_DESTINATION or DESTCLAS (historical name), System Managed Destination (caption), System_Managed_Destination (attribute name), and DESTCLAS (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Topic Name

The name of the topic to which the subscription pertains. The type is string.

The following names are defined for this attribute: TOPIC_NAME or TOPICOBJ (historical name), Topic Name (caption), Topic_Name (attribute name), and TOPICOBJ (column name).

Topic String

The topic string, which comprises the tree node names that make up the topic. For example, /news/ibm/hursley/. If the topic string exceeds 256 characters in length, it is truncated. The type is string.

The following names are defined for this attribute: TOPIC_STRING_U or UTOPICSTR (historical name), Topic String (caption), Topic_String_U (attribute name), and UTOPICSTR (column name).

Variable User

Whether other users can connect to the subscription. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Fixed (1), Any (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: VARIABLE_USER or VARUSER (historical name), Variable User (caption), Variable_User (attribute name), and VARUSER (column name).

Wildcard Char

The wildcard schema used in the topic string. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Character (1), Topic (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: WILDCARD_CHARACTER or WSCHEMA (historical name), Wildcard Char (caption), Wildcard_Character (attribute name), and WSCHEMA (column name).

Subscription Status data set

The Subscription Status attributes provide information about the status of subscriptions. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Connection ID

The currently active ConnectionId (CONNID) that has opened this subscription. Used to detect local publications. The type is string with enumerated values. The following values are defined: Not Connected to QMgr (00). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CONNECTION_ID or ACTCONN (historical name), Connection ID (caption), Connection_ID (attribute name), and ACTCONN (column name).

Durable

Whether durable subscriptions are permitted. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Yes (1), No (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DURABLE (historical name), Durable (caption), Durable (attribute name), and DURABLE (column name).

Host Name

Name of the system on which the queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Last Date & Time

The date and time that a message is last sent to this subscription by an MQPUT API call. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: LAST_DATE_AND_TIME or LDATETIME (historical name), Last Date & Time (caption), Last_Date_and_Time (attribute name), and LDATETIME (column name).

Msg Count

Number of messages that are put to the destination that is specified by this subscription. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MESSAGE_COUNT or NUMMSGS (historical name), Msg Count (caption), Message_Count (attribute name), and NUMMSGS (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

QMgr Name

Name of the queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Recent Date & Time

Date and time that the most recent MQSUB connection to this subscription is made. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: RECENT_DATE_AND_TIME or RDATETIME (historical name), Recent Date & Time (caption), Recent_Date_and_Time (attribute name), and RDATETIME (column name).

Sub ID

The unique subscription identifier. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: SUBSCRIPTION_ID or SUBID (historical name), Sub ID (caption), Subscription_ID (attribute name), and SUBID (column name).

Sub Name

The name of the application subscription. The type is string.

The following names are defined for this attribute: SUBSCRIPTION_NAME_U or USUBNAME (historical name), Sub Name (caption), Subscription_Name_U (attribute name), and USUBNAME (column name).

Sub Type

The type of the subscription. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: User (-2), All (-1), API (1), Admin (2), Proxy (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SUBSCRIPTION_TYPE or SUBTYPE (historical name), Sub Type (caption), Subscription_Type (attribute name), and SUBTYPE (column name).

Sub User

The user ID of the user that currently owns this subscription. The type is string.

The following names are defined for this attribute: SUBSCRIPTION_USER or SUBUSER (historical name), Sub User (caption), Subscription_User (attribute name), and SUBUSER (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Telemetry Channels data set

The Telemetry Channels attributes provide definition parameters for the telemetry channels that belong to a queue manager.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Backlog

The number of outstanding connection requests that the telemetry channel can support at any one time. The type is integer (32-bit gauge).

The following names are defined for this attribute: BACKLOG (historical name), Backlog (caption), Backlog (attribute name), and BACKLOG (column name).

Channel Name

Name of the channel. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: CHANNEL_NAME or CHANNEL (historical name), Channel Name (caption), Channel_Name (attribute name), and CHANNEL (column name).

Channel Status

The channel status. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (0), Binding (1), Starting (2), Running (3), Stopping (4), Retrying (5), Stopped (6), Requesting (7), Paused (8), Disconnected (9), Initializing (13), Inactive (101), Conn Not Def (200), Out Service (201), Going Out (202), Released (203), Obtaining (204), Acquired (205), Freeing (206), Available (207), Unknown (255). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_STATUS or STATUS (historical name), Channel Status (caption), Channel_Status (attribute name), and STATUS (column name).

Channel Type

Type of the channel. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), MQTT (10). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CHANNEL_TYPE or CHLTYPE (historical name), Channel Type (caption), Channel_Type (attribute name), and CHLTYPE (column name).

Current Connections

The current connection number of this channel. The type is integer (32-bit gauge).

The following names are defined for this attribute: CURRENT_CONNECTIONS or CONNCUR (historical name), Current Connections (caption), Current_Connections (attribute name), and CONNCUR (column name).

Description

The channel description. The type is string.

The following names are defined for this attribute: DESCRIPTION_U or UDESCR (historical name), Description (caption), Description_U (attribute name), and UDESCR (column name).

Host Name

The name of the system on which this queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

JAAS Configuration

The file path of the JAAS configuration. The type is string.

The following names are defined for this attribute: JAAS_CONFIGURATION or JAASCFG (historical name), JAAS Configuration (caption), JAAS_Configuration (attribute name), and JAASCFG (column name).

Local Address

The IP address that the telemetry channel listens on. The type is string.

The following names are defined for this attribute: LOCAL_ADDRESS or LOCLADDR (historical name), Local Address (caption), Local_Address (attribute name), and LOCLADDR (column name).

MCA User ID

The user ID for the message channel agent. The type is string.

The following names are defined for this attribute: MCA_USER_ID or MCAUSER (historical name), MCA User ID (caption), MCA_User_ID (attribute name), and MCAUSER (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Port The port number that the MQXR service accepts client connections on. The type is integer (32-bit numeric property).

The following names are defined for this attribute: PORT (historical name), Port (caption), Port (attribute name), and PORT (column name).

QMgr Name

Name of the queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

SSL Authentication

Indicates whether the client is treated anonymously. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Required (0), Optional (1), Never (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SSL_AUTHENTICATION or SSLCAUTH (historical name), SSL Authentication (caption), SSL_Authentication (attribute name), and SSLCAUTH (column name).

SSL Cipher Suite

The SSL CipherSuite at the client end of the telemetry channel. The type is string.

The following names are defined for this attribute: SSL_CIPHER_SUITE or SSLCIPH (historical name), SSL Cipher Suite (caption), SSL_Cipher_Suite (attribute name), and SSLCIPH (column name).

SSL Key Repository

The store for digital certificates and their associated private keys. The type is string.

The following names are defined for this attribute: SSL_KEY_REPOSITORY or SSLKEYR (historical name), SSL Key Repository (caption), SSL_Key_Repository (attribute name), and SSLKEYR (column name).

SSL Passphrase

The password for the key repository. The type is string.

The following names are defined for this attribute: SSL_PASSPHRASE or SSLKEYP (historical name), SSL Passphrase (caption), SSL_Passphrase (attribute name), and SSLKEYP (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: `TIMESTAMP` (historical name), `Timestamp` (caption), `Timestamp` (attribute name), and `TIMESTAMP` (column name).

Transport Type

The transmission protocol type. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `Local` (0), `LU62` (1), `TCP` (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `TRANSPORT_TYPE` or `TRPTYPE` (historical name), `Transport Type` (caption), `Transport_Type` (attribute name), and `TRPTYPE` (column name).

Use Client ID

Indicates whether to use the MQTT client ID for the new connection as the IBM MQ user ID for that connection. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `n/a` (-1), `No` (0), `Yes` (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `USE_CLIENT_ID` or `USECLTID` (historical name), `Use Client ID` (caption), `Use_Client_ID` (attribute name), and `USECLTID` (column name).

Topic Definitions data set

The Topic Definitions attributes provide detailed information about all topics. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Alter Date & Time

The data and time that this topic is last modified. The type is timestamp with enumerated values. The following values are defined: `n/a` (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `ALTER_DATE_AND_TIME` or `ADATETIME` (historical name), `Alter Date & Time` (caption), `Alter_Date_and_Time` (attribute name), and `ADATETIME` (column name).

Cluster Date & Time

The date and time that the cluster topic definition becomes available. The type is timestamp with enumerated values. The following values are defined: `n/a` (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `CLUSTER_DATE_AND_TIME` or `CLDAT_TIM` (historical name), `Cluster Date & Time` (caption), `Cluster_Date_and_Time` (attribute name), and `CLDAT_TIM` (column name).

Cluster Name

The name of the cluster to which this topic belongs. The type is string.

The following names are defined for this attribute: `CLUSTER_NAME` or `CLUSTER` (historical name), `Cluster Name` (caption), `Cluster_Name` (attribute name), and `CLUSTER` (column name).

Cluster QMgr

The name of the queue manager that is hosting the cluster topic. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: `CLUSTER_QUEUE_MANAGER` or `CLUSQMGR` (historical name), `Cluster QMgr` (caption), `Cluster_Queue_Manager` (attribute name), and `CLUSQMGR` (column name).

Durable Sub

Whether durable subscriptions are permitted. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), AsParent (0), Yes (1), No (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DURABLE_SUBSCRIPTION or DURSUB (historical name), Durable Sub (caption), Durable_Subscription (attribute name), and DURSUB (column name).

Durable Sub Model

The name of the model queue that is used to create dynamic queues for durable subscriptions. The type is string.

The following names are defined for this attribute: DURABLE_SUBSCRIPTION_MODEL_QUEUE or MDURMDL (historical name), Durable Sub Model (caption), Durable_Subscription_Model_Queue (attribute name), and MDURMDL (column name).

Host Name

Name of the system on which the queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Max Rows

The maximum number of rows that are returned by the monitoring agent as the result of a query. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MAXIMUM_RETURNED_ROWS or MAXROW (historical name), Max Rows (caption), Maximum_Returned_Rows (attribute name), and MAXROW (column name).

Msg Persistence

Whether messages are persistent. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), AsParent (-1), No (0), Yes (1), AsQOrTopicDef (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_PERSISTENCE or DEFPSIST (historical name), Msg Persistence (caption), Message_Persistence (attribute name), and DEFPSIST (column name).

Msg Priority

The message priority. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-4), AsPublished (-3), AsParent (-2), AsQOrTopicDef (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_PRIORITY or DEFPRTY (historical name), Msg Priority (caption), Message_Priority (attribute name), and DEFPRTY (column name).

Msg Put Resp Type

Put response type of messages that are published on the topic. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), AsParent (0), Sync (1), Async (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_PUT_RESPONSE_TYPE or DEFPRESP (historical name), Msg Put Resp Type (caption), Message_Put_Response_Type (attribute name), and DEFPRESP (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Non-Durable Sub Model

The name of the model queue that is used to create dynamic queues for non-durable subscriptions. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: NON-DURABLE_SUBSCRIPTION_MODEL_QUEUE or MNDURMDL (historical name), Non-Durable Sub Model (caption), Non-Durable_Subscription_Model_Queue (attribute name), and MNDURMDL (column name).

Non-Persistent Msg Delivery

The delivery method that is used to publish nonpersistent messages on this topic. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), AsParent (0), All (1), AllDurable (2), AllAvailable (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NON-PERSISTENT_MESSAGE_DELIVERY or NPMSGDLV (historical name), Non-Persistent Msg Delivery (caption), Non-Persistent_Message_Delivery (attribute name), and NPMSGDLV (column name).

Persistent Msg Delivery

The delivery method that is used to publish persistent messages on this topic. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), AsParent (0), All (1), AllDurable (2), AllAvailable (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PERSISTENT_MESSAGE_DELIVERY or PMSGDLV (historical name), Persistent Msg Delivery (caption), Persistent_Message_Delivery (attribute name), and PMSGDLV (column name).

Proxy Sub

Forces the propagation of a proxy subscription for this topic string, even if no local or proxy subscriptions exist. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), AsParent (0), Force (1), FirstUse (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PROXY_SUBSCRIPTION or PROXYSUB (historical name), Proxy Sub (caption), Proxy_Subscription (attribute name), and PROXYSUB (column name).

Pub Enabled

Whether publication is enabled. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), AsParent (0), No (1), Yes (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBLICATION_ENABLED or PUBENBL (historical name), Pub Enabled (caption), Publication_Enabled (attribute name), and PUBENBL (column name).

Pub Scope

String identifying the scope of the publication. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), All (0), AsParent (1), Cluster (2), Hierarchy (3), QMgr (4), Force All (5), Force QMgr (6). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBLICATION_SCOPE or PUBSCOPE (historical name), Pub Scope (caption), Publication_Scope (attribute name), and PUBSCOPE (column name).

QMgr ID

The unique name of the queue manager that hosts the topic. The type is string.

The following names are defined for this attribute: `QUEUE_MANAGER_ID` or `QMID` (historical name), `QMgr ID` (caption), `Queue_Manager_ID` (attribute name), and `QMID` (column name).

QMgr Name

Name of the queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `MQ_MANAGER_NAME` or `QMNAME` (historical name), `QMgr Name` (caption), `MQ_Manager_Name` (attribute name), and `QMNAME` (column name).

QSG Disp

Not applicable to the current monitoring agent. Specifies how commands are executed when the queue manager is a member of a queue-sharing group. This attribute is for QSG environment on z/OS systems only. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-2), All (-1), QMgr (0), Copy (1), Shared (2), Group (3), Private (4), Live (6). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `QSG_DISPOSITION` or `QSGDISP` (historical name), `QSG Disp` (caption), `QSG_Disposition` (attribute name), and `QSGDISP` (column name).

Status Status for search. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: OK (0), No Results Found (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SEARCH_STATUS` or `STATUS` (historical name), `Status` (caption), `Search_Status` (attribute name), and `STATUS` (column name).

Sub Enabled

Whether subscriptions are enabled. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), AsParent (0), No (1), Yes (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SUBSCRIPTION_ENABLED` or `SUBENBL` (historical name), `Sub Enabled` (caption), `Subscription_Enabled` (attribute name), and `SUBENBL` (column name).

Sub Scope

String that identifies the scope of the subscription. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), All (0), AsParent (1), Cluster (2), Hierarchy (3), QMgr (4), Force All (5), Force QMgr (6). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `SUBSCRIPTION_SCOPE` or `SUBSCOPE` (historical name), `Sub Scope` (caption), `Subscription_Scope` (attribute name), and `SUBSCOPE` (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: `TIMESTAMP` (historical name), `Timestamp` (caption), `Timestamp` (attribute name), and `TIMESTAMP` (column name).

Topic Description

A text description of the topic. The type is string.

The following names are defined for this attribute: `TOPIC_DESCRIPTION_U` or `UTPCDESC` (historical name), `Topic Description` (caption), `Topic_Description_U` (attribute name), and `UTPCDESC` (column name).

Topic Name

Name of the topic. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `TOPIC_NAME` or `TPCNAME` (historical name), `Topic Name` (caption), `Topic_Name` (attribute name), and `TPCNAME` (column name).

Topic String

The topic string, which comprises the tree node names that make up the topic. For example, /news/ibm/hursley/. The type is string.

The following names are defined for this attribute: TOPIC_STRING_U or UTOPICSTR (historical name), Topic String (caption), Topic_String_U (attribute name), and UTOPICSTR (column name).

Topic Type

The topic enumeration type. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Local (0), Cluster (1), All (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: TOPIC_TYPE or TPCTYPE (historical name), Topic Type (caption), Topic_Type (attribute name), and TPCTYPE (column name).

Wildcard

How wildcard subscriptions are handled for this topic. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Block (1), PassThru (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: WILDCARD (historical name), Wildcard (caption), Wildcard (attribute name), and WILDCARD (column name).

Topic Publishers data set

The Topic Publishers attributes provide detailed information about the publishers (message producing applications) that use a particular topic. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Connection ID

The currently active ConnectionId (CONNID). This is the connection that has opened the subscription. The type is string with enumerated values. The following values are defined: Not Connected to QMgr (00). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CONNECTION_ID or ACTCONN (historical name), Connection ID (caption), Connection_ID (attribute name), and ACTCONN (column name).

Host Name

Name of the system on which the queue manager is running. The valid format is an alphanumeric string of up to 48 case-sensitive characters. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Msg Date & Time

Date and time that the message is last sent by this publisher. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_DATE_AND_TIME or PUBDTTM (historical name), Msg Date & Time (caption), Message_Date_and_Time (attribute name), and PUBDTTM (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Publish Count

Number of items that are published by this publisher. The type is integer (32-bit numeric property).

The following names are defined for this attribute: PUBLISH_COUNT or NUMPUBS (historical name), Publish Count (caption), Publish_Count (attribute name), and NUMPUBS (column name).

QMgr Name

Name of the queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Topic ID

Topic identifier string. The type is string.

The following names are defined for this attribute: TOPIC_UNIVERSAL_IDENTIFIER or TOPICID (historical name), Topic ID (caption), Topic_Universal_Identifier (attribute name), and TOPICID (column name).

Topic String

The topic string, which comprises the tree node names that make up the topic. For example, /news/ibm/hursley/. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: TOPIC_STRING_U or UTOPICSTR (historical name), Topic String (caption), Topic_String_U (attribute name), and UTOPICSTR (column name).

Topic Status data set

The Topic Status attributes provide information about the root level of topic nodes. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

Admin Node

If this node is an admin node, this attribute is the name of the associated topic object that contains the node configuration. If the field is not an admin node, this attribute is empty. The type is string with enumerated values. The following values are defined: n/a (n/a). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: ADMINISTRATION_NODE or ADMINNODE (historical name), Admin Node (caption), Administration_Node (attribute name), and ADMINNODE (column name).

Durable Sub

Whether durable subscriptions are permitted. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Yes (1), No (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DURABLE_SUBSCRIPTION or DURSUB (historical name), Durable Sub (caption), Durable_Subscription (attribute name), and DURSUB (column name).

Durable Sub Model

The name of the model queue that is used to create dynamic queues for durable subscriptions. The type is string with enumerated values. The following values are defined: n/a (n/a). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DURABLE_SUBSCRIPTION_MODEL_QUEUE or MDURMDL (historical name), Durable Sub Model (caption), Durable_Subscription_Model_Queue (attribute name), and MDURMDL (column name).

Host Name

Name of the system on which the queue manager is running. The type is string.

The following names are defined for this attribute: HOST_NAME (historical name), Host Name (caption), Host_Name (attribute name), and HOST_NAME (column name).

Max Rows

The maximum number of rows that are returned by the monitoring agent as the result of a query. The default value is 2000 rows. The type is integer (32-bit numeric property).

The following names are defined for this attribute: MAXIMUM_RETURNED_ROWS or MAXROW (historical name), Max Rows (caption), Maximum_Returned_Rows (attribute name), and MAXROW (column name).

Msg Persistence

Whether messages are persistent. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_PERSISTENCE or DEFPSIST (historical name), Msg Persistence (caption), Message_Persistence (attribute name), and DEFPSIST (column name).

Msg Priority

The message priority. Possible values are 1 - 9 representing the priority of the message. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_PRIORITY or DEFPRTY (historical name), Msg Priority (caption), Message_Priority (attribute name), and DEFPRTY (column name).

Msg Put Resp Type

Put response type of messages that are published on the topic. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Sync (1), Async (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: MESSAGE_PUT_RESPONSE_TYPE or DEFPRESP (historical name), Msg Put Resp Type (caption), Message_Put_Response_Type (attribute name), and DEFPRESP (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Non-Durable Sub Model

The name of the model queue that is used to create dynamic queues for non-durable subscriptions. The type is string with enumerated values. The following values are defined: n/a (n/a). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NON_DURABLE_SUBSCRIPTION_MODEL_QUEUE or MNDURMDL (historical name), Non-Durable Sub Model (caption), Non_Durable_Subscription_Model_Queue (attribute name), and MNDURMDL (column name).

Non-Persistent Msg Delivery

The delivery method that is used to publish nonpersistent messages on this topic. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), All (1), AllDurable (2), AllAvailable (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: NON-PERSISTENT_MESSAGE_DELIVERY or NPMSGDLV (historical name), Non-Persistent Msg Delivery (caption), Non-Persistent_Message_Delivery (attribute name), and NPMSGDLV (column name).

Persistent Msg Delivery

The delivery method used to publish persistent messages on this topic. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), All (1), AllDurable (2), AllAvailable (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PERSISTENT_MESSAGE_DELIVERY or PMSGDLV (historical name), Persistent Msg Delivery (caption), Persistent_Message_Delivery (attribute name), and PMSGDLV (column name).

Pub Enabled

Whether publication is enabled. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), No (1), Yes (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBLICATION_ENABLED or PUBENBL (historical name), Pub Enabled (caption), Publication_Enabled (attribute name), and PUBENBL (column name).

Pub Scope

Numeric value that identifies the scope of the publication. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), All (0), AsParent (1), Cluster (2), Hierarchy (3), QMgr (4), Force All (5), Force QMgr (6). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBLICATION_SCOPE or PUBSCOPE (historical name), Pub Scope (caption), Publication_Scope (attribute name), and PUBSCOPE (column name).

Publisher Count

The number of handles that are currently open for publishing on the topic. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PUBLISHER_COUNT or PUBCOUNT (historical name), Publisher Count (caption), Publisher_Count (attribute name), and PUBCOUNT (column name).

QMgr Name

Name of the queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Query String

Query string. The type is string.

The following names are defined for this attribute: QUERY_STRING_U or UQUERYSTR (historical name), Query String (caption), Query_String_U (attribute name), and UQUERYSTR (column name).

Retained Pub

Whether there is a retained publication associated with this topic. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), No (0), Yes (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: RETAINED_PUBLICATION or RETAINED (historical name), Retained Pub (caption), Retained_Publication (attribute name), and RETAINED (column name).

Status Status for search. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: OK (0), No Results Found (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SEARCH_STATUS or STATUS (historical name), Status (caption), Search_Status (attribute name), and STATUS (column name).

Sub Enabled

Whether subscriptions are enabled. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), No (1), Yes (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SUBSCRIPTION_ENABLED or SUBENBL (historical name), Sub Enabled (caption), Subscription_Enabled (attribute name), and SUBENBL (column name).

Sub Scope

Numeric value identifies the scope of the subscription. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), All (0), AsParent (1), Cluster (2), Hierarchy (3), QMgr (4), Force All (5), Force QMgr (6). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SUBSCRIPTION_SCOPE or SUBSCOPE (historical name), Sub Scope (caption), Subscription_Scope (attribute name), and SUBSCOPE (column name).

Subscriber Count

The number of subscribers to this topic, including durable subscribers that are not currently connected. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SUBSCRIBER_COUNT or SUBCOUNT (historical name), Subscriber Count (caption), Subscriber_Count (attribute name), and SUBCOUNT (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Topic ID

Topic identifier string. The type is string.

The following names are defined for this attribute: TOPIC_UNIVERSAL_IDENTIFIER or TOPICID (historical name), Topic ID (caption), Topic_Universal_Identifier (attribute name), and TOPICID (column name).

Topic String

The topic string, which comprises the tree node names that make up the topic. For example, /news/ibm/hursley/. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: TOPIC_STRING_U or UTOPICSTR (historical name), Topic String (caption), Topic_String_U (attribute name), and UTOPICSTR (column name).

Topic Subscribers data set

The Topic Subscribers attributes provide detailed information about the subscribers to a particular topic. This data is collected by the monitoring agent in real-time when the query is issued, and reflects the most recent data values.

This data set is not visible in the UI. It is available for thresholds.

This data set contains the following attributes:

% Full

Current depth full percentage, with one decimal place. The type is real number (32-bit numeric property) with one decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: PERCENT_FULL or QPCTFULL (historical name), % Full (caption), Percent_Full (attribute name), and QPCTFULL (column name).

Connection ID

The currently active ConnectionId (CONNID) that has opened this subscription. Used to detect local publications. The type is string with enumerated values. The following values are defined: Not Connected to QMgr (00). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CONNECTION_IDENTIFIER or ACTCONN (historical name), Connection ID (caption), Connection_Identifier (attribute name), and ACTCONN (column name).

Connection Type

The type of the topology connection. The type is string with enumerated values. The following values are defined: DurableSubscriptionConnection (kmq.DurableSubConn), NonDurableSubscriptionConnection (kmq.NondurableSubConn), ApplicationConnection (kmq.ApplicationConn), DestinationConnection (kmq.DestinationConn). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: CONNECTION_TYPE or CONNTYPE (historical name), Connection Type (caption), Connection_Type (attribute name), and CONNTYPE (column name).

Durable

Whether durable subscriptions are permitted. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: n/a (-1), Yes (1), No (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: DURABLE (historical name), Durable (caption), Durable (attribute name), and DURABLE (column name).

High Depth Threshold %

Threshold percent for high depth event. The type is real number (32-bit numeric property) with one decimal places of precision with enumerated values. The following values are defined: n/a (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: HIGH_DEPTH_THRESHOLD_PERCENT or QDEPTHRPCT (historical name), High Depth Threshold % (caption), High_Depth_Threshold_Percent (attribute name), and QDEPTHRPCT (column name).

Host Name

Name of the system on which the queue manager is running. The type is string.

The following names are defined for this attribute: `HOST_NAME` (historical name), Host Name (caption), `Host_Name` (attribute name), and `HOST_NAME` (column name).

Last Date & Time

The date and time that a message is last sent to this subscription by an MQPUT API call. The type is timestamp with enumerated values. The following values are defined: `n/a` (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `LAST_DATE_AND_TIME` or `LMSGDTTM` (historical name), Last Date & Time (caption), `Last_Date_and_Time` (attribute name), and `LMSGDTTM` (column name).

Max Nodes

The maximum number of nodes that are displayed in the topology view in Tivoli Enterprise Portal. The default value is 200. The type is integer (32-bit numeric property).

The following names are defined for this attribute: `MAXIMUM_NODES` or `MAXNODE` (historical name), Max Nodes (caption), `Maximum_Nodes` (attribute name), and `MAXNODE` (column name).

Msg Count

Number of messages that are put to the destination that is specified by this subscription. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: `n/a` (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `MESSAGE_COUNT` or `NUMMSGS` (historical name), Msg Count (caption), `Message_Count` (attribute name), and `NUMMSGS` (column name).

Node The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: `NODE` (historical name), Node (caption), `ORIGINNODE` (attribute name), and `ORIGINNODE` (column name).

Node ID

Node identifier. This attribute is hidden. The type is string.

The following names are defined for this attribute: `NODE_IDENTIFIER` or `NODEID` (historical name), Node ID (caption), `Node_Identifier` (attribute name), and `NODEID` (column name).

Node Name

Topology node name. The type is string.

The following names are defined for this attribute: `NODE_NAME` or `NODENAME` (historical name), Node Name (caption), `Node_Name` (attribute name), and `NODENAME` (column name).

Node Type

The type of the topology node. The type is string with enumerated values. The following values are defined: `Topic` (`kmq.TopicNode`), `Application` (`kmq.ApplicationNode`), `LocalDestination` (`kmq.LocalDestinationNode`), `NonLocalDestination` (`kmq.RemoteDestinationNode`), `DurableSubscription` (`kmq.DurableSubNode`), `NonDurableSubscription` (`kmq.NonDurableSubNode`). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: `NODE_TYPE` or `NODETYPE` (historical name), Node Type (caption), `Node_Type` (attribute name), and `NODETYPE` (column name).

Parent ID

The parent identifier. The type is string.

The following names are defined for this attribute: `PARENT_IDENTIFIER` or `PARENTID` (historical name), Parent ID (caption), `Parent_Identifier` (attribute name), and `PARENTID` (column name).

QMgr Name

Name of the queue manager. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: MQ_MANAGER_NAME or QMNAME (historical name), QMgr Name (caption), MQ_Manager_Name (attribute name), and QMNAME (column name).

Recent Date & Time

Date and time that the most recent MQSUB connection to this subscription is made. The type is timestamp with enumerated values. The following values are defined: n/a (0000000000000000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: RECENT_DATE_AND_TIME or RESMDTTM (historical name), Recent Date & Time (caption), Recent_Date_and_Time (attribute name), and RESMDTTM (column name).

Status The status for search. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: OK (0), No Results Found (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SEARCH_STATUS or STATUS (historical name), Status (caption), Search_Status (attribute name), and STATUS (column name).

Sub ID

Unique Subscription Identifier. The hover help only displays the first character of the Sub ID when you move the cursor over this column. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: SUBSCRIPTION_IDENTIFER or SUBID (historical name), Sub ID (caption), Subscription_Identifer (attribute name), and SUBID (column name).

Sub Type

The type of the subscription. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: User (-2), All (-1), n/a (0), API (1), Admin (2), Proxy (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SUBSCRIPTION_TYPE or SUBTYPE (historical name), Sub Type (caption), Subscription_Type (attribute name), and SUBTYPE (column name).

Sub User

The user ID of the owner of this subscription. This is either the user ID of the creator of the subscription, or, if subscription takeover is enabled, the user ID of the user that last takes over the subscription. The type is string.

The following names are defined for this attribute: SUBSCRIPTION_USER or SUBUSER (historical name), Sub User (caption), Subscription_User (attribute name), and SUBUSER (column name).

Timestamp

The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Topic ID

Topic identifier string. The type is string.

The following names are defined for this attribute: TOPIC_UNIVERSAL_IDENTIFIER or TOPICID (historical name), Topic ID (caption), Topic_Universal_Identifier (attribute name), and TOPICID (column name).

Topic String

The topic string, which comprises the tree node names that make up the topic. For example, /news/ibm/hursley/. The type is string.

The following names are defined for this attribute: `TOPIC_STRING_U` or `UTOPICSTR` (historical name), `Topic String` (caption), `Topic_String_U` (attribute name), and `UTOPICSTR` (column name).

Accessibility features

Accessibility features assist users who have a disability, such as restricted mobility or limited vision, to use information technology content successfully.

Accessibility features

The web-based interface of IBM® Cloud Application Performance Management is the Cloud APM console. The console includes the following major accessibility features:

- Enables users to use assistive technologies, such as screen-reader software and digital speech synthesizer, to hear what is displayed on the screen.¹ Consult the product documentation of the assistive technology for details on using those technologies with this product.
- Enables users to operate specific or equivalent features using only the keyboard.
- Communicates all information independently of color.²

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The Cloud APM console online product documentation in IBM Knowledge Center is enabled for accessibility. The accessibility features of IBM Knowledge Center are described at IBM Knowledge Center release notes.

Keyboard navigation

This product uses standard navigation keys.

Interface information

The Cloud APM console web user interface does not rely on cascading style sheets to render content properly and to provide a usable experience. However, the product documentation does rely on cascading style sheets. IBM Knowledge Center provides an equivalent way for low-vision users to use their custom display settings, including high-contrast mode. You can control font size by using the device or browser settings.

The Cloud APM console web user interface includes WAI-ARIA navigational landmarks that you can use to quickly navigate to functional areas in the application.

The Cloud APM console user interface does not have content that flashes 2 - 55 times per second.

Related accessibility information

In addition to standard IBM help desk and support websites, IBM has established a TTY telephone service for use by deaf or hard of hearing customers to access sales and support services:

TTY service 800-IBM-3383 (800-426-3383) (within North America)

1. Exceptions include some of the **Agent Configuration** pages and historical line charts in the Cloud APM console.

2. Exceptions include some **Agent Configuration** pages of the Cloud APM console.

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Printed in USA