

Release notes for PM-MAINT Version 10.6

Release: 20th April 2020

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Please read this before installing PM-MAINT!

These release notes have precedence over current statements in manuals and the Online Help in terms of their binding nature.

These release notes provide the latest information, which is not contained in the file Readme.html.

Please read the file "Readme.html".

If you have any queries, please contact the hotline (WinCC Competence Center Mannheim)

Tel.: (+49) 621 1723-1010.

Please provide the identification number (software product label) and the "Key ID" (you find it in the PM-License Manager).

Before starting a version update you should always make a backup of the project!

- PM-MAINT must be reinstalled after the installation of a Service-Pack for WinCC or Windows.
- It is necessary for the correct operation of the USB dongles that voltage fluctuations at the USB port are avoided. We therefore recommend when using USB equipment which obtains its supply directly from the USB port, to insert a USB hub with an own power supply before the device.
- PM-MAINT is released for process communication with max. 10 stations (WinCC Server / Single-user system).
- PM-MAINT supports only WinCC tags with names up to 127 characters.
- Productive operation in virtualized environments is only enabled for following virtualization systems:
 - Microsoft Hyper-V Server 2008 R2, 2012 R2, 2016, 2019
 - VM Ware ESXi 5.0, 5.5, 6.0, 6.5, 6.7Requirements: The performance data of the virtual computers must meet the minimum requirements.
- To run the PM-MAINT system software, a currently logged in interactive user is required. Operating PM-MAINT as a system service is not supported.
- Pay attention if PM-MAINT is installed on a system together with another add-on:
PM-MAINT V10.6 is released with PM-QUALITY V10.5, PM-CONTROL V11.5 and PM-ANALYZE V8.5 or higher.
- The names and paths of WinCC and PM-SERVER projects must be built only with ASCII characters and must be valid file and folder names.
- The performance depends on the count of Objects and Orders and on the configuration of Operation Hours Counters and Operation Cycles Counters.
- For the conversion of projects prior to version 9 please contact the WinCC Competence Center Mannheim.
- PM-MAINT supports import and export of following data:
 - Materials and project texts as CSV file
- Import and export functions are available at the PM-MAINT Server only.
- The PM-MAINT Excel Add-In supports further import and export options (on the PM-MAINT Server only!), but only in conjunction with the released Microsoft Excel versions (see below).

Unrestricted

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- As a requirement for a working permission verification there must be configured at least one PM-SERVER group for the “Unrestricted Access” permission. Otherwise all users can perform all actions and can access the configuration.
- To use a PM-MAINT Client with user authentication against SIMATIC Logon a SIMATIC Logon installation and license for the server computer is necessary.
- Embedding of the PM-MAINT Controls in WebUX screens is not supported.
- Connection to WinCC:
 - “PM-AGENT” supports WinCC V7.2 / V7.3 / V7.4 and WinCC Runtime Professional V13 / V14 / V15 / V16; future version won't be supported anymore.
 - The new “PM-AGENT Unified” supports the SCADA systems WinCC V7.4 / V7.5 and WinCC Runtime Professional V15 and is preferred over “PM-AGENT” for these versions.
 - “PM-AGENT Unified” is started as background service and is configured with the application “PM-AGENT Unified Control Center”; since the communication with “PM-SERVER” is encrypted, the peer certificate has to be accepted on both sides; within “PM-SERVER” this can be performed on the station page: for “PM-AGENT Unified” this is performed using “PM-AGENT Unified Control Center”.
 - Existing “PM-AGENT” stations can be upgraded to “PM-AGENT Unified” stations.
 - During installation of PM-MAINT Server both “PM-AGENT” and “PM-AGENT Unified” are installed; “PM-AGENT” can be integrated into the WinCC Project Explorer by using the application “Manage_PM-Server_PM-Agent_Startup.exe”.
 - The DVD menu only offers the installation of “PM-AGENT Unified” as standalone version; the standalone installer of “PM-AGENT” is still available on the DVD (PM-AGENT_Setup.exe) and allows connecting to older SCADA systems.

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System Requirements

Hardware Requirements:

	PM-MAINT Server	PM-MAINT Client
CPU:	≥ Intel Core i5 2,4 GHz	≥ Intel Core i3 3,0 GHz
RAM:	≥ 8 GByte	≥ 4 GByte

Software Requirements:

Operating System:	Windows 7 SP1 Professional, Enterprise Ultimate ^{32-/64-Bit} Windows 8.1 Professional, Enterprise ^{32-/64-Bit} Windows 10 Professional, Enterprise ^{32-/64-Bit} Windows Server 2008 R2 ^{64-Bit} Windows Server 2012 R2 ^{64-Bit} Windows Server 2016 ^{64-Bit} Windows Server 2019 ^{64-Bit}
Process communication / Basic system:	SIMATIC WinCC V7.2 (without SP) SIMATIC WinCC V7.3 (without SP) SIMATIC WinCC V7.3 SE (without SP) SIMATIC WinCC V7.4 (without SP, SP1) SIMATIC WinCC V7.5 (with Update 1 or higher, SP1) SIMATIC WinCC Runtime Professional V13.0 (without SP, SP1) SIMATIC WinCC Runtime Advanced V13.0 (without SP, SP1; only PC-Runtime) SIMATIC WinCC Runtime Professional V14.0 (without SP, SP1) SIMATIC WinCC Runtime Advanced V14.0 (without SP Update 2 or higher, SP1; only PC-Runtime) SIMATIC WinCC Runtime Professional V15.0 (without SP) SIMATIC WinCC Runtime Advanced V15.0 (without SP; only PC-Runtime) SIMATIC WinCC Runtime Professional V15.1 (without SP Update 1 or higher) SIMATIC WinCC Runtime Advanced V15.1 (without SP Update 1 or higher; only PC-Runtime) SIMATIC WinCC Runtime Professional V16 SIMATIC WinCC Runtime Advanced V16 (only PC-Runtime) SIMATIC WinCC Unified PC-Runtime V16 (Communication only, no Client Controls) WinCC flexible 2008 (SP3) OPC DA / OPC UA ⁽²⁾
Internet Explorer:	V9.0, V10.0, V11.0 (do not deactivate the Internet Explorer in Windows)
Database system: (32-Bit and 64-Bit)	MS SQL Server 2008 R2 Express Edition ⁽¹⁾ MS SQL Server 2008 Standard, Developer Edition MS SQL Server 2008 R2 Standard ⁽³⁾ , Developer Edition MS SQL Server 2014 Standard ⁽⁴⁾ , Developer Edition, Express Edition ⁽¹⁾ MS SQL Server 2016 Standard ⁽⁵⁾ , Developer Edition
Excel Add-In: (only 32-Bit Versions)	Microsoft Excel 2007, 2010, 2013, 2016, 2019 ⁽⁶⁾

⁽¹⁾ The SQL Server Express Editions are limited in the count of usable CPUs, memory, the database size, the number of active connections etc. This may degrade the system performance. For all details regarding the Express Editions please read the Microsoft publications. Based on the restrictions of the database edition, it is only released for PM-MAINT projects with 100 equipment objects, 200 planned orders and a local PM-MAINT Client without additional clients. Because of the limited database size, embedded documents are not released. For PM-MAINT projects with higher workloads or when installing additional PM-Products, the use one of the other database editions is mandatory.

⁽²⁾ For OPC-DA process communications, the maximum workloads (e.g. number of tags) of the OPC server have to be checked.

⁽³⁾ Included in SIMATIC WinCC V7.2 V7.3 and WinCC Professional V13.

⁽⁴⁾ Included in SIMATIC WinCC V7.4 and WinCC Professional V14 / V15.

⁽⁵⁾ Included in SIMATIC WinCC V7.5 and WinCC Professional V16.

⁽⁶⁾ Office must be activated before installing PM-MAINT. Furthermore, an Internet connection is required during installation of the PM-MAINT Excel Add-In.

In addition, note the system requirements of the listed components and its dependencies among one another.