Release notes for PM-MAINT Version 10.9

Release: February 20, 2024   Copyright (C) SIEMENS AG 2024

<div style="text-align:center">

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.

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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 2012 R2, 2016, 2019, 2022
  - → VMWare ESXi 6.0, 6.5, 6.7, 7.0, 8.0

  Requirements: 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 V10.9 is released with PM-QUALITY V11.3, PM-CONTROL V12.3, PM-ANALYZE V10.3 and PM-MES Interface V1.9 or higher.

- The performance depends on the count of Objects and Orders and on the configuration of Operation Hours Counters and Operation Cycles Counters.

- PM-MAINT supports import and export of following data (on the PM-MAINT Server only):
  - Materials and project texts as CSV file

- 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).

- 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.

Unrestricted

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- Additional software components are installed by the installation of PM-MAINT (PM Server Components, PM Client Components, PM Common Components and PM-LICENSE). For the product to function properly, these components must not be uninstalled. After all PM products have been completely uninstalled from the system, these components can be removed in this order manually.

- In case of missing or expired TIA Portal licenses the WinCC Unified ODK denies access to essential interfaces and thus prevents the PM-AGENT Unified from operating. For more information see also the WinCC Unified ODK documentation, chapter 8.2.1 at "C:\Program Files\Siemens\Automation\WinCCUnified\Documentation\English\APIWCCUenUS.pdf"

- If SQL Server Express 2022 is installed from the product DVD, the startup type of the database engine service "SQL Server (PM)" is set to "Automatic (Delayed Start)". This means that PM products can only access the SQL server with a delay after the PC is restarted.
  The startup type can be changed manually. See also:
  https://learn.microsoft.com/en-us/sql/sql-server/sql-server-2022-release-notes?view=sql-server-ver16

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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 10 Professional, Enterprise 64-Bit [1] Windows 11 Professional, Enterprise 64-Bit Windows Server 2016 Windows Server 2019 Windows Server 2022
Process communication / Basic system:	SIMATIC WinCC V7.5 (Update 1 or higher, SP1, SP2) SIMATIC WinCC V8 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 (no Client Controls) SIMATIC WinCC Runtime Professional V17 SIMATIC WinCC Runtime Advanced V17 (only PC-Runtime) SIMATIC WinCC Unified PC-Runtime V17 (no Client Controls) SIMATIC WinCC Runtime Professional V18 SIMATIC WinCC Unified PC-Runtime V18 (no Client Controls) SIMATIC WinCC Runtime Professional V19 SIMATIC WinCC Unified PC-Runtime V19 (no Client Controls) OPC DA / OPC UA [2]
Database system: (32-Bit and 64-Bit)	MS SQL Server 2014 Standard, Developer Edition, Express Edition [3] MS SQL Server 2016 Standard, Developer Edition, Express Edition [3] MS SQL Server 2017 Standard, Developer Edition, Express Edition [3] MS SQL Server 2019 Standard, Developer Edition, Express Edition [3] MS SQL Server 2022 Standard, Developer Edition, Express Edition [3]
Excel Add-In:	Microsoft Excel 2016, 2019, 2021 [4]

[1] Microsoft Windows 10 Enterprise LTSB 2015 is explicitly excluded because it does not support .NET 4.8.
[2] For OPC-DA process communications, the maximum workloads (e.g., number of tags) of the OPC server must be checked.
[3] 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. For projects with higher workloads or when installing additional PM-Products, the use one of the other database editions is mandatory.
[4] Office must be activated before installing PM-MAINT. Furthermore, an Internet connection is required during installation of the PM-MAINT Excel Add-In.

Additionally, please note the system requirements of the listed components and their dependencies among each other.

Security information
In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept. For more information about industrial security, please visit https://www.siemens.com/industrialsecurity.