SILworX®

X-OPC Server
Release Notes

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Table of Contents

1 X-OPC Server V5.2.1204

1.1 Compatibilities with the previous versions

The functions of V5.2.1204 are compatible with the functions of all the previous versions. The upgrade to the newest version can be performed from all the previous versions.

The improvements described in Chapter 1.2 are only available in SILworX V9.

1.2 Improvements

The following chapters describe the improvements of the X-OPC Server compared to the previous version V4.10.1086.

1.2.1 Improved redundancy

The comparison between redundant X-OPC Servers provides identical states and time stamps for Alarms&Events. In the properties of the OPC server set (SILworX), set Synchronization Mode to *Full*!

The redundant X-OPC Servers use a common cookie ID for one event.

Requirement: X-OPC Servers with identical versions (V5.2.1204 or higher).

1.2.2 Improved diagnostics when creating an UDP socket

Error codes are issued if opening an UDP socket fails, e.g.:

- Socket could not be created.
- Internal socket error.

1.2.3 New mode Optimized Use of Com. Time Slice

Using the new mode *Optimized Use of Com. Time Slice,* shorter response times can be achieved for safe**ethernet**/HIPRO-S V2/PADT communication provided that communication is predominantly routed via the processor module. In such cases, safe**ethernet** also includes communication with OPC/OTS/safeEDR/remote I/Os partners.

Caution: This mode can affect the temporal utilization of *Max.Com. Time Slice ASYNC [ms]* and the system parameter *Max. Duration of Configuration Connections [ms]* such that these two times can be subject to more demands. In turn, this may result in a higher overall cycle time; for this reason, the times derived therefrom must be taken into account.

In case of safe**ethernet**/OPC/OTS/safeEDR/HIPRO-S V2, the effect applies to the use of *Max.Com. Time Slice [ms]* whereas, in case of PADT communication, it is related to the use of *Max. Duration of Configuration Connections [ms]*. In case of communication with the remote I/Os, both the use of *Max.Com. Time Slice [ms]* and of *Max. Duration of Configuration Connections [ms]* may increase [HE27939].Toolbox Trace Logging

The Trace Logging of the toolbox can be individually activated by registry settings for each X-OPC service.

1.3 Fixes

The following chapter describes the fixes performed to the X-OPC Server compared to the previous version.

1.3.1 OPC toolbox updated

The error related to the OPC toolbox was fixed through the update.

1.3.2 The X-OPC Server no longer terminates if the network port is occupied twice

In the previous version, the X-OPC Server terminated when the network port was already occupied. If the network port is already occupied, however, the user cannot connect SILworX to the X-OPC Server. In such cases, SILworX issues an error code [HE25011].

Workaround: Check that the network port is not occupied yet!

1.3.3 Entering invalid CLSIDs no longer possible

In the previous version, entering CLSIDs with invalid format did not cause an error message to be issued. Due to invalid CLSIDs, the X-OPC Server could neither be registered nor be operated in Windows properly.

With X-OPC Server version V5.2.1204 or higher, an error message appears when an invalid CLSID is entered [HE28690].

1.3.4 Tag objects are removed completely from the memory

In the previous version, the counter for tag objects incremented whenever a configuration was downloaded and the properties were not removed completely [HE28763].

1.3.5 Event history can be read out completely again

In the previous version, after adding a new A&E connection or extending events while the connection was running, it could happen that the event history or the events would not be read out completely [HE28816].

1.3.6 Correct error message when loading a faulty configuration

In the previous version, loading of a faulty configuration was not detected nor rejected [HE29152].

1.3.7 Overflow events are processed properly

In the previous version, it could happen that overflow events created after synchronization of A&E data between controller and X-OPC Servers were not reproduced properly [HE28173].

1.3.8 The X-OPC Server reacts to more than 128 routing entries with a warning

The X-OPC Server is limited to a maximum number of 128 routing entries. If this maximum number is exceeded, a warning is issued. In the previous version, the X-OPC Server terminated with more than 128 routing entries [HE29142].

1.3.9 X-OPC Server no longer terminates if invalid characters are being used in the event source name

In the previous version, X-OPC Server terminated when using invalid characters in the event source name. Now, the use of invalid characters causes now a rejection of the configuration [HE29472].

1.3.10 X-OPC Server no longer terminates during synchronization of I/O-modules

In the previous version, X-OPC Server terminated after restart of HIMax I/O modules and the subsequent synchronization of event sources.

1.3.11 Text corrected in the installer

Inexact wording and spelling mistakes in the installer corrected [HE29376].

1.4 Restrictions

1.4.1 General

The new X-OPC Server features are only available with SILworX V9. For redundant operation, identical X-OPC Server version should be used.

1.5 Characteristics

No characteristics so far.

1.6 Upgrading from a previous version

Two procedures exist for upgrading to a new version of the X-OPC Server:

- Installation of the current version with previous deinstallation of the existing X-OPC Server version.
- Upgrade assisted by HIMA Support & Hotline without previously uninstalling the X-OPC Server.

1.6.1 Installation with previous deinstallation the X-OPC Server

Prior to deinstallation: Note down the system ID and the PADT port since these data is required for generating the license key!

To uninstall the X-OPC Server

1. In Windows, open **Start, Control Panel, Programs and Functions**.
2. Select the X-OPC Server to be uninstalled from the list. Right-click the X-OPC Server and select **Uninstall**.
3. Follow the instructions of the Uninstall Wizard.

To install the X-OPC Server

To install the X-OPC Server, follow the instructions provided in the communication manual (HI 801 101 E).

1.6.2 Upgrade without previous deinstallation

When upgrading without previously uninstalling the X-OPC server, the internal settings such as system ID, PADT port, server name [X-OPC Server] or class ID as well as the configured DCOM settings are retained.

1.7 References

- Communication manual, HI 801 101 E
- SILworX online help

Appendix

HI 801 387 E

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