New Features in ibaLogic v5.2.0

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Content

1 Windows XP is not supported anymore

ibaLogic version 5.2.0 can no loger be installed under Windows XP. A new driver with full Windows10 support is implemented.

Windows7 or higher is required for the installation. See the **versions_il5.htm** for possible operating systems.

2 ibaLogic can run on an ibaDAQ-S, without IO module access

If ibaLogic is installed on an ibaDAQ-S, this is detected automatically and the hardware modules of the backplane are automatically ignored. The IO modules are only used by ibaPDA.

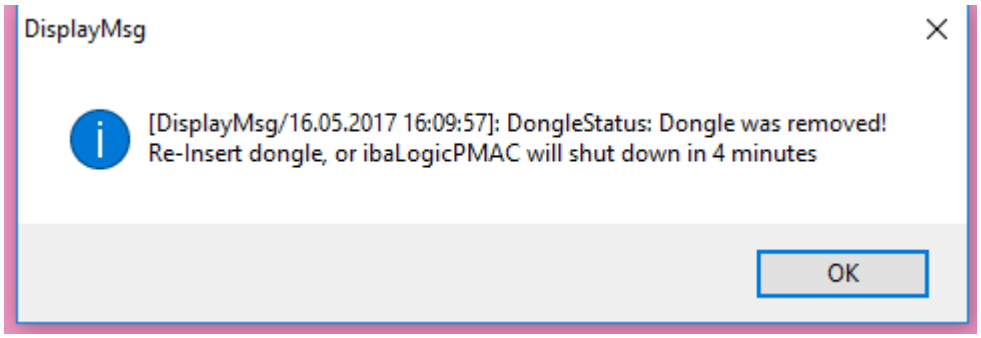
ibaLogic can then be used as a co-processor to the ibaPDA or other tasks without generating a hardware conflict.

3 More obvious display of a missing dongle

So far, if a dongle was removed from the system or was deactivated due to an error, this has only been displayed in the event display and the log file.

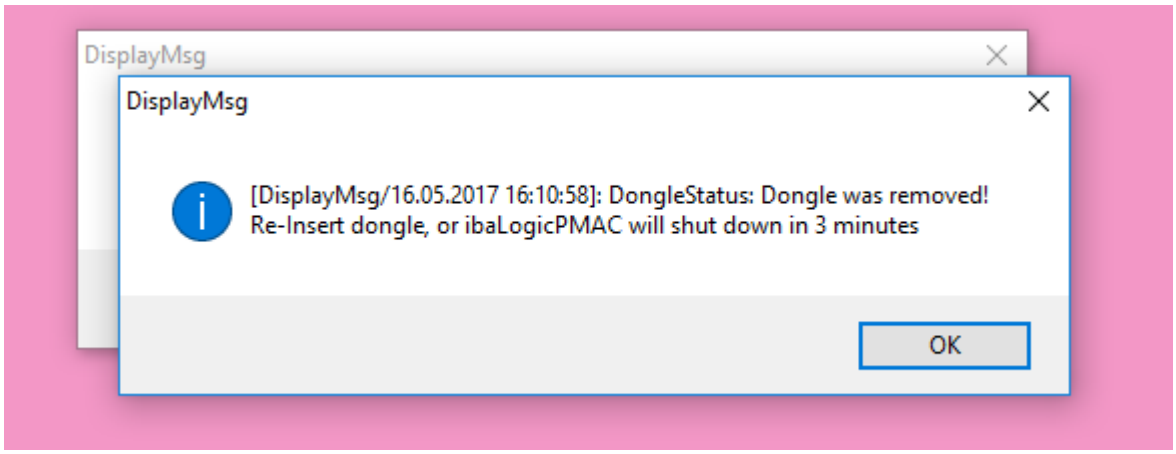
A short-term dongle error may not be detected. Therefore a more obvious pop-up message was activated.

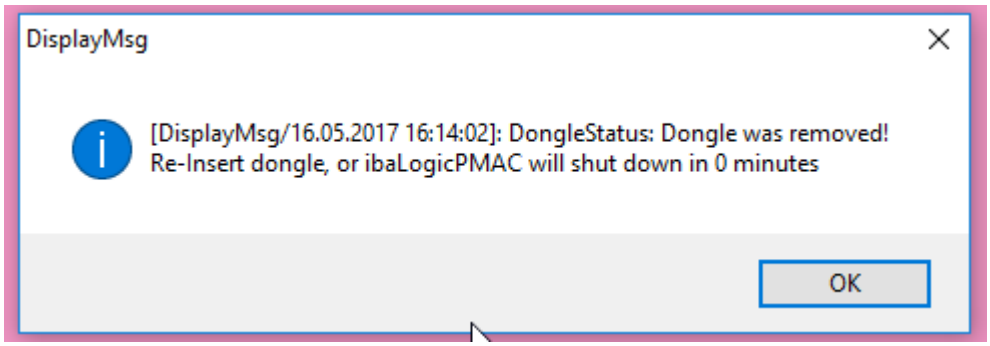
The first message is shown about 2-3 minutes after the dongle is no longer available. After this are remaining about 5 minutes till the automatic shutdown of the runtime system

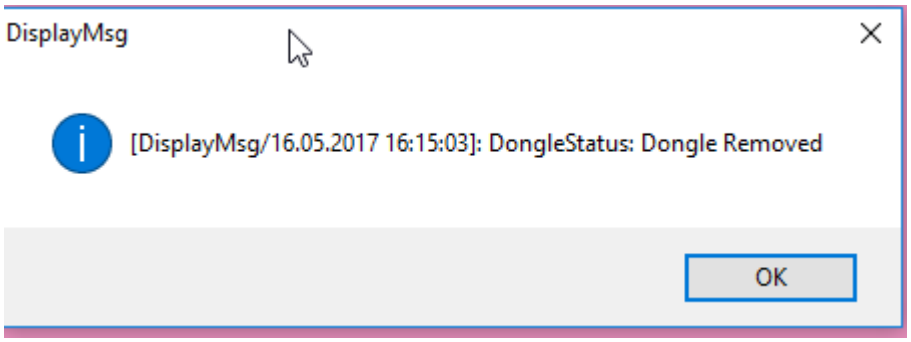


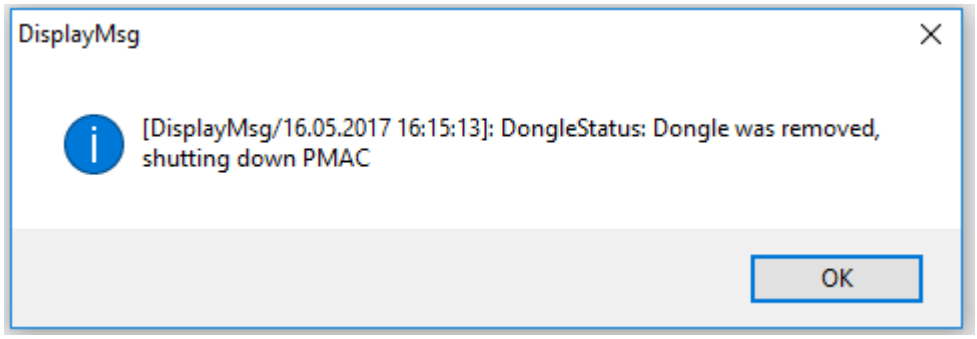
The program continues to run in the background until the time has elapsed.

After each minute a new message will be shown.







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[16.05.2017 16:06:58.821] [IBA-FUE-NOTE435] [ibaLogicClient] Info: Download ended successfully.
[16.05.2017 16:10:58.993] [IBA-FUE-NOTE435] [RTS] DisplayMsg: DongleStatus: Dongle was removed! Re-Insert dongle, or ibaLogicPMAC will shut down in 3 minutes
[16.05.2017 16:09:57.935] [IBA-FUE-NOTE435] [RTS] DisplayMsg: DongleStatus: Dongle was removed! Re-Insert dongle, or ibaLogicPMAC will shut down in 4 minutes
[16.05.2017 16:12:00.054] [IBA-FUE-NOTE435] [RTS] DisplayMsg: DongleStatus: Dongle was removed! Re-Insert dongle, or ibaLogicPMAC will shut down in 2 minutes
[16.05.2017 16:13:01.120] [IBA-FUE-NOTE435] [RTS] DisplayMsg: DongleStatus: Dongle was removed! Re-Insert dongle, or ibaLogicPMAC will shut down in 1 minutes
[16.05.2017 16:14:02.184] [IBA-FUE-NOTE435] [RTS] DisplayMsg: DongleStatus: Dongle was removed! Re-Insert dongle, or ibaLogicPMAC will shut down in 0 minutes
[16.05.2017 16:15:03.247] [IBA-FUE-NOTE435] [RTS] DisplayMsg: DongleStatus: Dongle Removed
[16.05.2017 16:15:13.425] [IBA-FUE-NOTE435] [RTS] Exception: Could not stop the configuration execution. Error code -1
[16.05.2017 16:15:13.808] [IBA-FUE-NOTE435] [ibaLogicCommunication] Info: Closed connection - 0 bytes were read!
[16.05.2017 16:15:13.830] [IBA-FUE-NOTE435] [ibaLogicCommunication] Info: Closed connection - 0 bytes were read!
[16.05.2017 16:15:13.831] [IBA-FUE-NOTE435] [ibaLogicCommunication] Info: Closed connection - 0 bytes were read!
[16.05.2017 16:15:13.832] [IBA-FUE-NOTE435] [ibaLogicCommunication] Info: Closed connection - 0 bytes were read!
[16.05.2017 16:15:13.262] [IBA-FUE-NOTE435] [RTS] DisplayMsg: DongleStatus: Dongle was removed, shutting down PMAC
[16.05.2017 16:15:13.285] [IBA-FUE-NOTE435] [RTS] Info: Driver Status: Stopped
[16.05.2017 16:15:13.292] [IBA-FUE-NOTE435] [ibaLogicServer] Info: Stopped
[16.05.2017 16:15:13.292] [IBA-FUE-NOTE435] [ibaLogicCommunication] Info: Closed connection - 0 bytes were read!
[16.05.2017 16:15:13.294] [IBA-FUE-NOTE435] [RTS] Info: PMAC execution stopped
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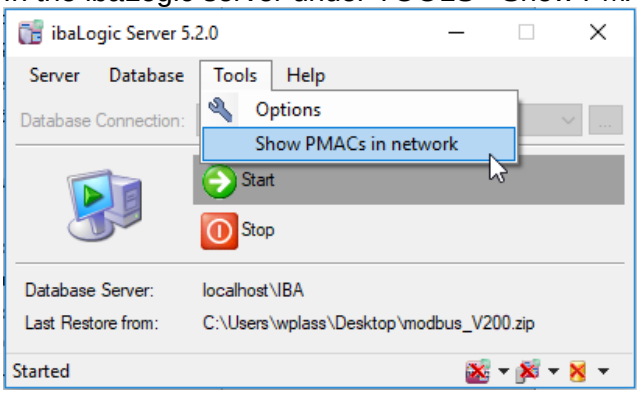
4 New functions in the PMAC search window

4.1 Update ibaLogic Runtime manually on a PADU-S-IT2x16

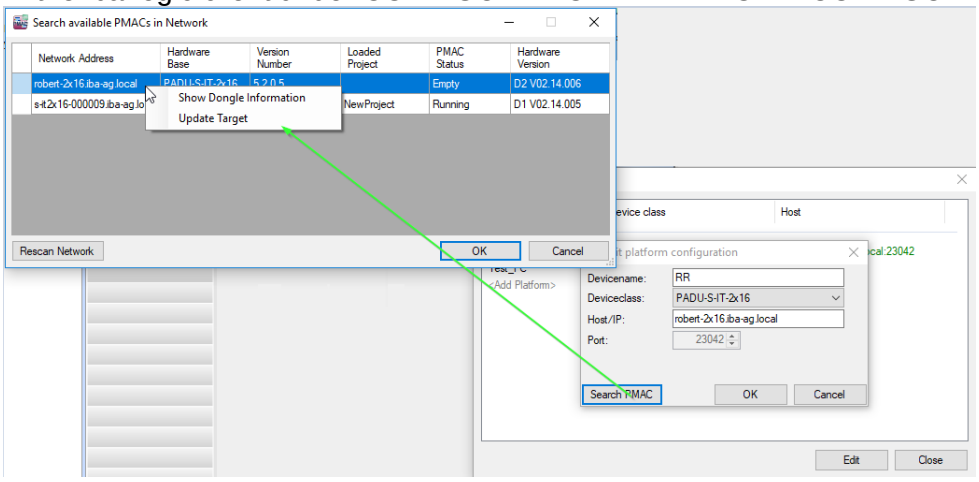
When connecting to a PADU-S-IT2x16, the ibaLogic Client automatically checks if the client version is compatible to the PMAC version. If not, an update option is offered automatically.
For older versions of ibaLogic, it may happen that this detection is incorrect and only indicates that the versions do not fit, without having the possibility of starting the update.

In this case you can perform the update manually.
The manual update is started in the display of the available PMACs in the network.
For this you have two different places where you can call and run the update

a) In the ibaLogic server under TOOLS - Show PMACs in network



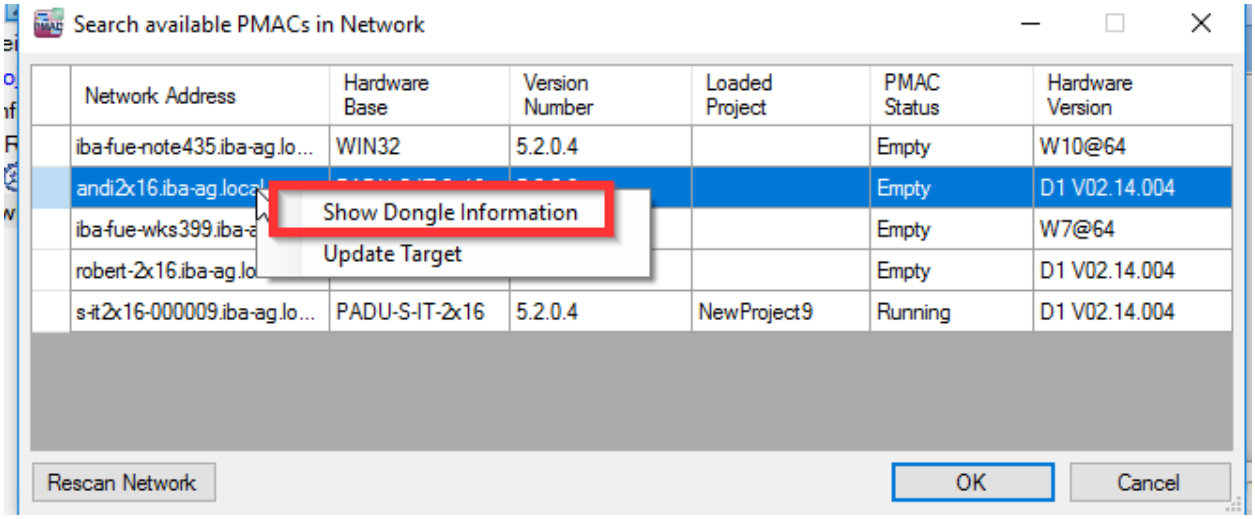
b) In the ibaLogic client under CONFIGURATION – PLATFORM CONFIGURATION…..

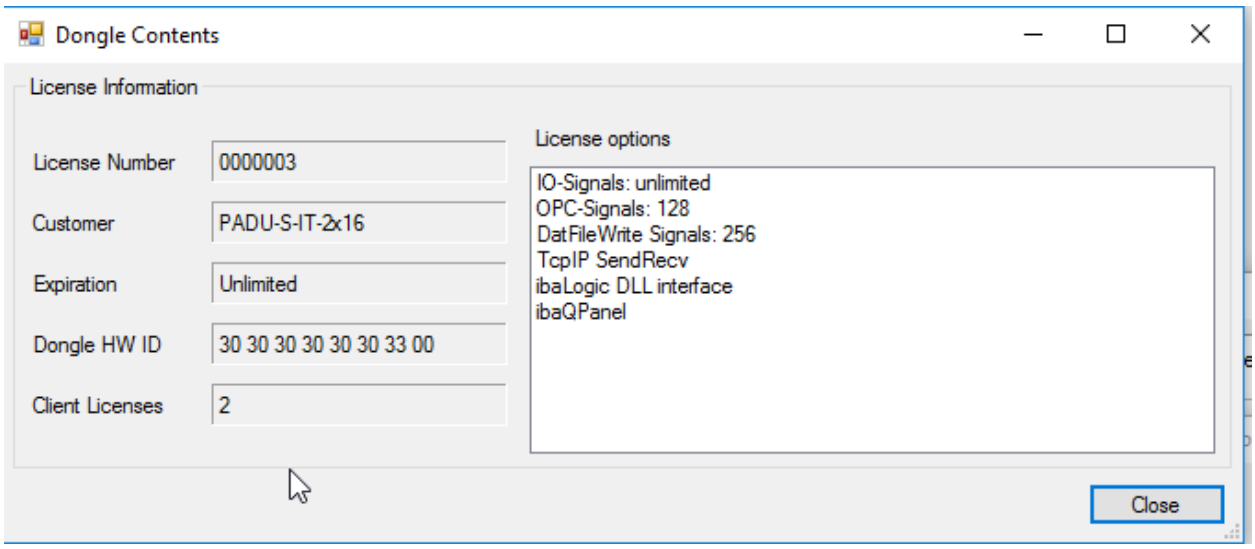


In the list of PMACs, right-click on the desired entry and start the update of the target system.

4.2 Dongle information

As already seen in the last chapter, the list of PMACs also offers the possibility to display the dongle information.





5 Select DLLs for manual backup

DLLs are located in the folder C:\ProgramData\iba\ibaLogic5\Server\Dll.

They are stored there by the creator of a DLL, in order to use them as a function block in ibaLogic.

When restoring, the DLLs contained in the backup are also stored here.

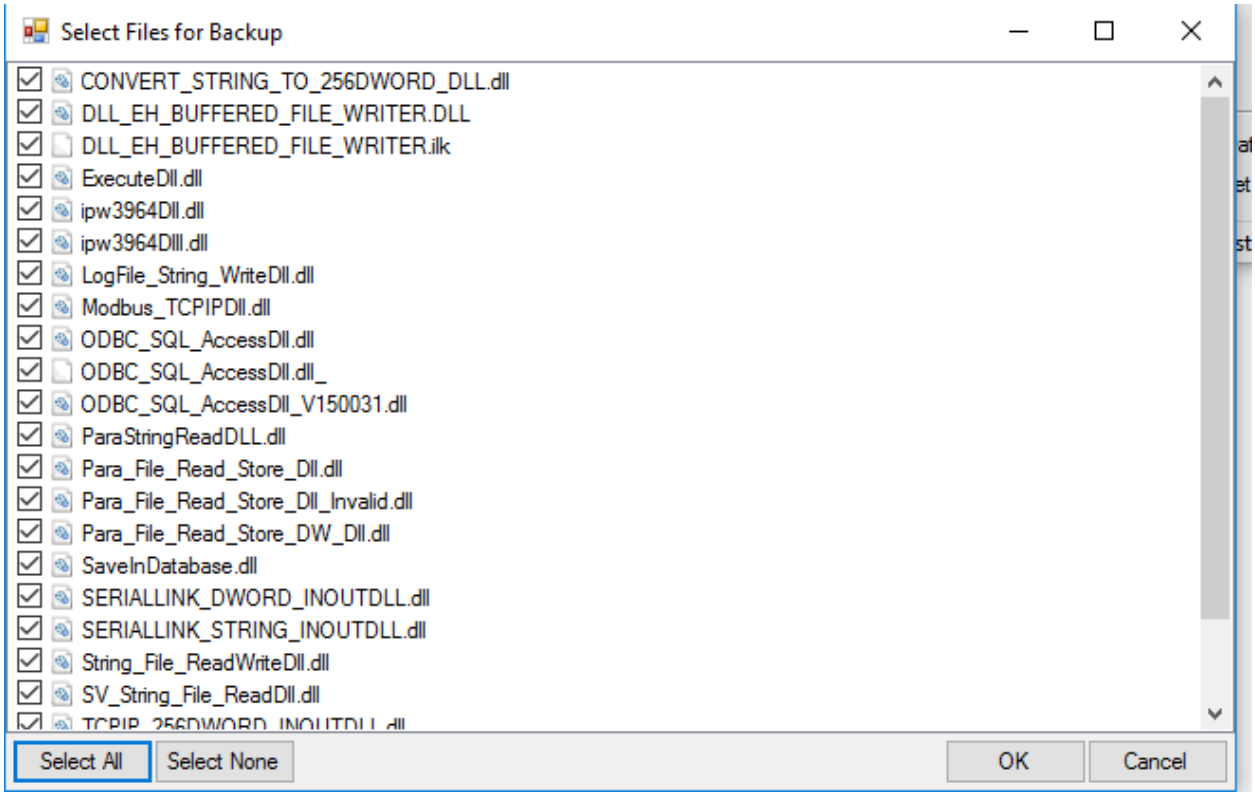
This can cause more and more DLLs to accumulate in this directory.

These would always be included in every backup, and then stored again in the DLL directory.

The ibaLogic Server scans the folder on every start and checks the DLLs present, so many unused DLLs can cause a big delay when starting the Server.

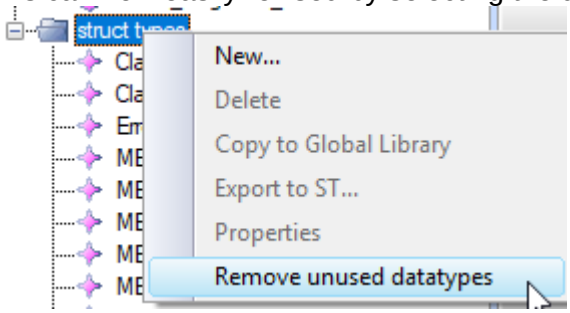
When creating a manual backup and the dll folder isn't empty, a new dialog is shown. This lists all files and subfolders inside the DLL folder. Here the user has the option to deselect all entries that are not needed for the project.

By this the user can ensure that only those files are stored in the backup that are relevant to the project.

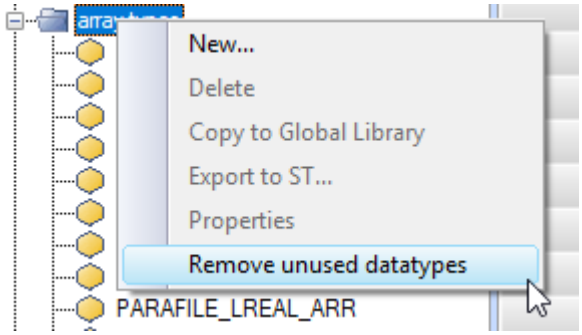


6 Delete unused data types

When creating data types, unused data types can accumulate historically.
This can now easily revised by selecting the appropriate context menu.



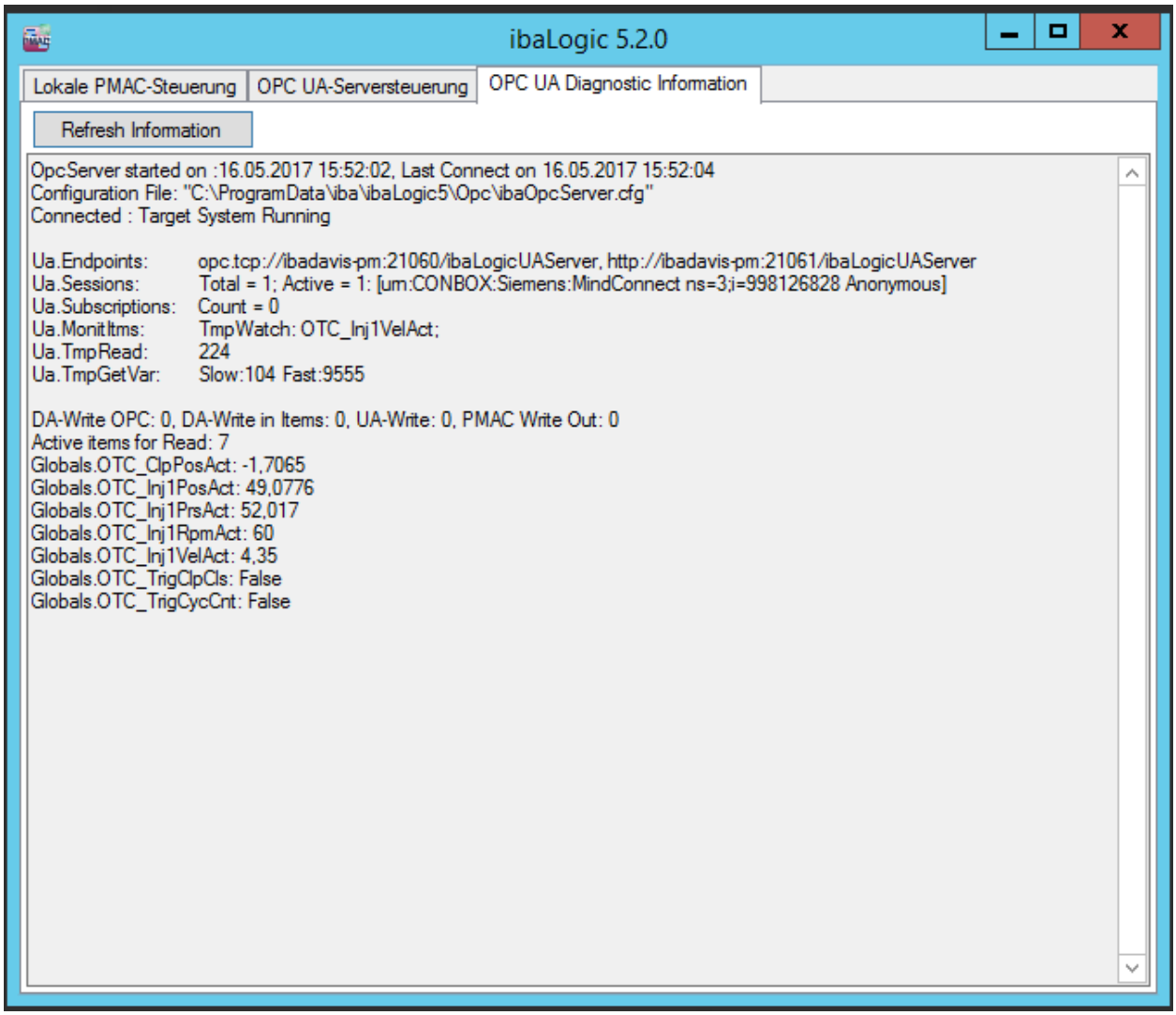
This point is also deletes datatypes generated by ibaLogic generically (e.g for the DatFileWrite function block). Those types change when the configuration of the function block is changed. If they are used at that point in other function blocks, they cannot be removed automatically. This function can clean up the now unused datatypes, and the user does not have to check for cross dependencies between them.



7 New OPC UA diagnosis

In the PMAC control window, there is a new OPC UA Diagnostic Information tab.

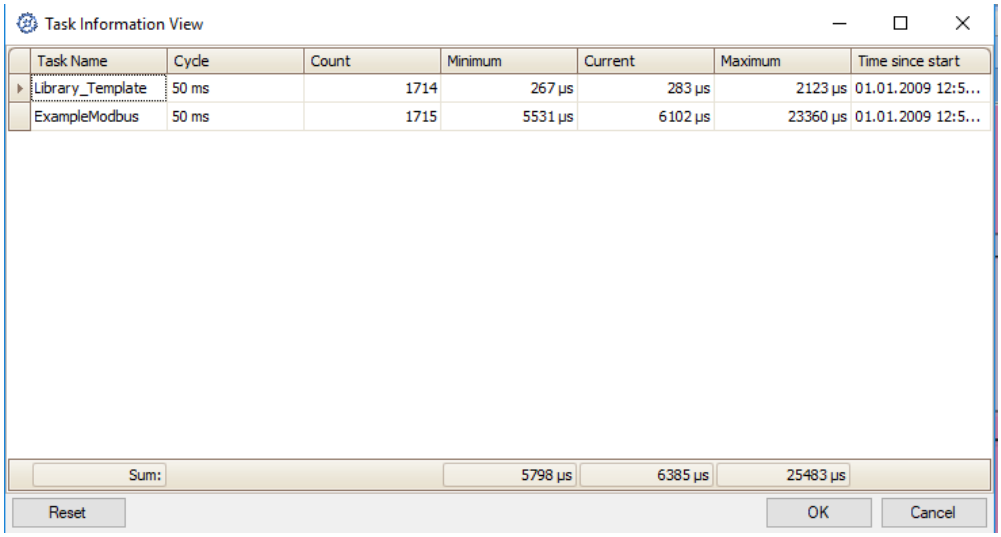
The display can be updated via REFREH INFORMATION. This displays the current OPC UA data.



8 Taskinformation with reset button

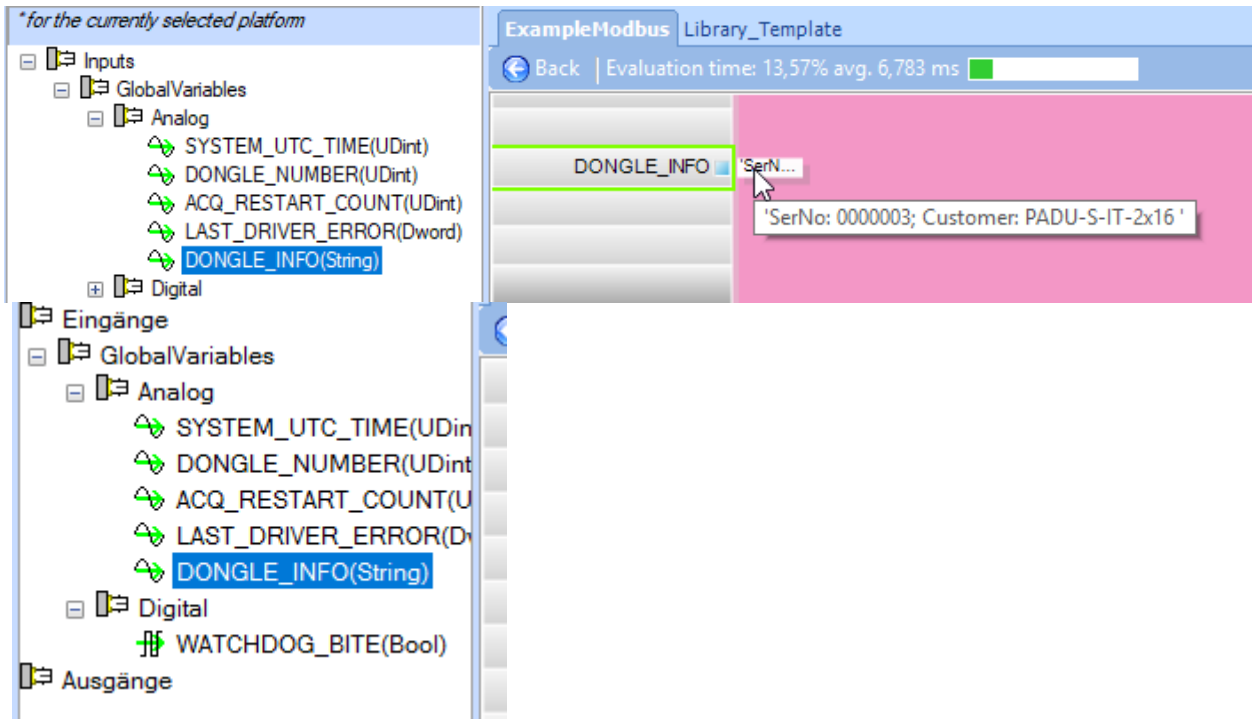
Under VIEW - VIEW TASKINFORMATION, you can view the current calculation times of the task with Min / Max values.

A reset button has now been added. It resets the Min / Max values.



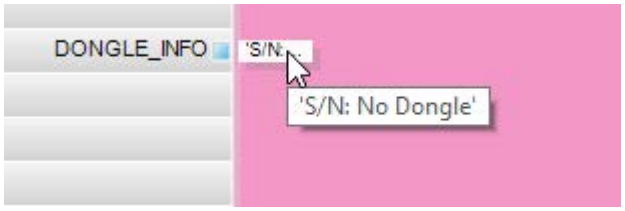
9 New input DONGLE_INFO (string)

There is a new dongle info string at the inputs with details about the dongle.



If a dongle is removed or not detected during operation, a first warning message is issued after a few minutes (see also chapter “More obvious display of a missing dongle”).

As soon as this message is shown, the info field changes its state:



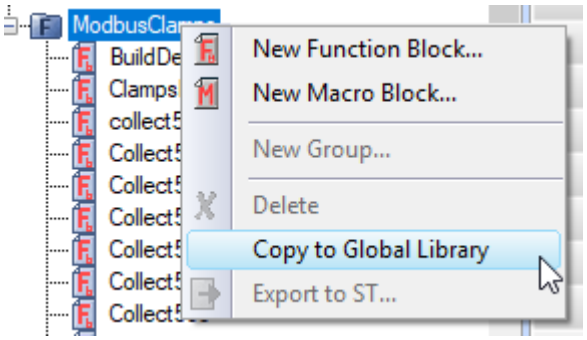
The user has the possibility to program appropriate actions or notifications.

Another advantage over the existing input DONGLE_NUMBER is that also ASCII characters inside the dongle number are displayed.

10 Copy all function blocks to the global library

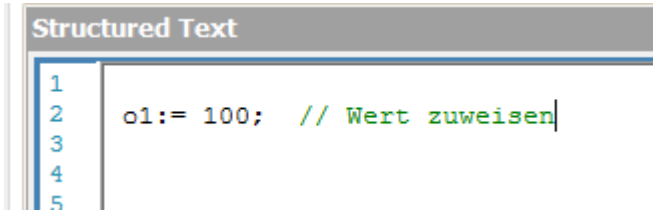
All function blocks and macros created in a project can now be copied into the global library in one operation, individually this was already possible.

There is a new context menu item.



11 Single-line comment in Structured Text possible

When you create your own blocks using ST (Structured Text), you can now create a single-line comment using //.



This function is not part of the IEC standard, but is generally useful. It is thus also possible to comment out individual lines, e.g. for test purposes, etc.