rexroth
A Bosch Company

Release Notes

ctrlX PLC Engineering

PLC Programming System

PLE-V-0206

, Edition Edition 05

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1 About this documentation

Editions of this documentation

Edition	Release date	Notes
01	2024 – 03	Release Notes for PLC Engineering, Version PLE-V-0206.0
02	2024 – 05	Release Notes for PLC Engineering, Version PLE-V-0206.3
03	2024 – 07	Release Notes zu PLC Engineering, Version PLE-V-0206.4
04	2024 – 09	Release Notes for PLC Engineering, Version PLE-V-0206.5
05	2024 – 09	Release Notes for PLC Engineering, Version PLE-V-0206.6

2 Product information

2.1 New installation setup from ctrlX version V-0206

Up to the ctrlX version V-0204 ctrlX PLC Engineering was an optional component of the ctrlX WORKS installation package.

From ctrlX version V-0206 ctrlX PLC Engineering is provided as stand-alone installation. For further information on the installation, refer to the product documentation:

➦ctrlX PLC Engineering documents in the web

2.2 General information

For the latest information on our products, go to ➦ https://www.boschrexroth.com.

For current security advisories, please refer to ➦ https://psirt.bosch.com/security-advisories/

3 PLE-V-0206.6

3.1 New functions

3.1.1 Feature 905464: New licenses for CODESYS Softmotion

Description

In 2024, CODESYS introduced a new license model for the Softmotion add-on which means that Rexroth also has to adapt the previous license model for the CODESYS Softmotion add-on from version 02VRS according to the manufacturer's specifications.

The following basic licenses are available with immediate effect:

- CODESYS SoftMotion 4 Axes (02VRS) R911426853 SWL-W-XC*-COSY*SMOAX04***-NNNN
- CODESYS SoftMotion 8 Axes (02VRS) R911426855 SWL-W-XC*-COSY*SMOAX08***-NNNN
- CODESYS SoftMotion 16 Axes (02VRS) R911426857 SWL-W-XC*-COSY*SMOAX16***-NNNN
- CODESYS SoftMotion 32 Axes (02VRS) R911426859 SWL-W-XC*-COSY*SMOAX32***-NNNN
- CODESYS SoftMotion 48 Axes (02VRS) R911426861 SWL-W-XC*-COSY*SMOAX48***-NNNN
- CODESYS SoftMotion 1 Axes Group (02VRS) R911426865 SWL-W-XC*-COSY*SMOGR01***-NNNN
- CODESYS SoftMotion 2 Axes Group (02VRS) R911426867 SWL-W-XC*-COSY*SMOGR02***-NNNN
- CODESYS SoftMotion 3 Axes Group (02VRS) R911426869 SWL-W-XC*-COSY*SMOGR03***-NNNN
- CODESYS SoftMotion 4 Axes Group (02VRS) R911426871 SWL-W-XC*-COSY*SMOGR04***-NNNN
- CODESYS SoftMotion 5 Axes Group (02VRS) R911426873 SWL-W-XC*-COSY*SMOGR05***-NNNN
- CODESYS SoftMotion 6 Axes Group (02VRS) R911426875 SWL-W-XC*-COSY*SMOGR06***-NNNN

The existing basic licenses for the CODESYS add-on are still valid without restriction for version 01VRS, but can also be used from version 02VRS onwards. However, their validity is limited:

- CODESYS Softmotion CNC (01VRS) R911411674 SWL-W-XC*-COSY*SMOT*CNC**-NNNN valid up to 8 axes
- CODESYS Softmotion Base (01VRS) R91141167 SWL-W-XC*-COSY*SMOT******-NNNN valid for 1 axis group

If one of the basic licenses listed above (01VRS or 02VRS) is already installed on the device, the number of licensed axes or axis groups can be extended using the newly introduced upgrade licenses.

- CODESYS SoftMotion Upgrade 8 Axes R911426863 SWL-W-XC*-COSY*SMOAX*UP08-NNNNN
- CODESYS SoftMotion Upgrade 1 Axes Group R911426877 SWL-W-XC*-COSY*SMOGR*UP01-NNNN

3.2 Resolved defects and modifications

3.2.1 Bug 885328: Project synchronization – Device description files and libraries are not updated

Description

Although the option “Synchronize device description files and libraries” is selected in project synchronization, the relevant files are not synchronized to the control.

3.2.2 Bug 891204: CODESYS Softmotion – Incorrect parameters if the name of the EtherCAT master differs from the default name

Description

After changing the name for the EtherCAT master in the ctrlX OS web interface (differs from the default name ethercatmaster), the new name is not updated in the relevant Softmotion parameters.

3.2.3 Bug 896486: ctrlX CORE virtual – Operation of CODESYS add-ons generally not possible

Description

The ctrlX CORE virtual control type has a runtime of up to 4 hours and is not intended for productive use, which is why no Rexroth runtime licenses are required for operation.

However, it is not possible to transfer PLC applications to the control if a functionality of a CODESYS add-on is included. In this case, the download is always aborted with an error.

3.2.4 Bug 913574: Error message "IEC data type not found. Please check whether the DataLayer path is valid"

Description

In the “Selecting non-realtime data from ctrlX CORE 'watchlist'” dialog, the following error message is displayed for certain variables: “IEC data type not found. Please check whether the DataLayer path is valid.”

3.2.5 Bug 914368: Changes regarding "EventConditionControl" of FlexProfile/CamIn

Description

1.) The "EventConditionControl" element must not be deleted by the CamIn operating mode.

2.) The "EventConditionControl" element should be queried cyclically by the FlexProfile operating mode.

Bugfix

The following measures were taken to rectify the error:

- The "EventConditionControl" element has been removed from CamIn mode.
- Change from "EventConditionControl" to cyclical query in FlexProfile mode.

3.3 Notes on the use and known restrictions

3.3.1 Bug 346362: CXA_OpcUaClient – Download required when removing function blocks

Description

If the function block instances are removed using an “online change”, it can sporadically result in not releasing all resources again as for a dynamic memory. UA client instances client instances are also retained and are not deleted.

Workaround

If function block instances are removed, subsequently execute a complete download.

Consequently, resources as well as a previously created UA client instance are deleted again.

3.3.2 Bug 454480: ctrlX PLC/IO Engineering does sporadically not start anymore after installing a CoDeSys Professional package

Description

After installing a CODESYS Professional Package (e.g. GIT Support), a message is displayed on some PCs, informing the user about the missing codemeter software components. Consequently, the software cannot be started anymore.

Workaround

For information about the solution to the problem, please contact your Bosch Rexroth service partner.

3.3.3 Bug 697076: ctrlX PLC Engineering/ctrlX IO Engineering: Window is not displayed after starting the software

Description

Especially when changing monitors/resolution, the I/O or PLC Engineering might be opened and displayed in the taskbar, but the window is not visible.

Workaround

1. Click on the taskbar with the mouse.
2. Place the cursor on the icon in the taskbar.
   ➡ The preview window is displayed above the icon.
3. Move the cursor to the preview window using the mouse and right-click.
   ➡ The context menu opens.
4. Select the "Maximize" command to display the window in full screen mode or the "Move" command to move the window back into the visible area.

3.3.4 Bug 725531: ctrlX PLC Engineering: Error message "Object reference not set not set to an instance of an object" following changes in the PLC program

Description

Sporadically, the error message "Object reference not set to an instance of an object" is displayed in ctrlX PLC Engineering in the following context:

1. First, changes were made in the PLC program (e.g. library manager) and then the "Clean all" command was executed.

2. The "Generate code" command was then called or a download to the control was initiated.

Workaround

Exit ctrlX PLC Engineering and restart the software.

3.3.5 Bug 871427: Device communication no longer possible after error "The object reference was not set to an object instance"

Description

In certain scenarios, communication with the controller breaks down and cannot be restored.

If the commands “Clean all” and then “Login” are executed in PLC Engineering while other editors are opened, the following exception error can occur:

"The object reference was not set to an object instance"

After this exception, communication with a controller is no longer possible.

Workaround

If the error "The object reference was not set to an object instance" occurs, the project and PLC Engineering must be closed.

After reopening, make sure that the “Device” editor is closed before executing the “Clean All” command.

3.3.6 Bug 888670: Intellisense error in ST editor

Description

The user expects that after entering a point (e.g. a structure variable) in the ST editor with the help of the Intellisense functionality, the underlying elements are displayed for selection and subsequent insertion.

However, the Intellisense functionality is not activated in the following known constellations:

- Variables in method calls.
- Variables in TypeCast functions.

Furthermore, there may also be other constellations in which the Intellisense functionality does not become active during input.

3.3.7 Bug 925283: ctrlX PLC Engineering or ctrlX IO Engineering does not start if the Federal Information Processing Standard (FIPS) is activated in Windows

Description

If the option "System cryptography: FIPS-compliant algorithm for encryption, hashing and signature" is enabled in the Windows security guidelines, a message is displayed when ctrlX PLC Engineering or ctrlX IO Engineering is started that the associated profile is invalid and the associated application is closed.

Workaround

To be able to start ctrlX PLC Engineering or ctrlX IO Engineering, you only have the option "System cryptography: Use FIPS-compliant algorithm for encryption, hashing and signature" in the Windows security policies.

4 PLE-V-0206.5

4.1 Resolved defects and modifications

4.1.1 Bug 880640: CXA_MotionInterface – Configuration of more than 22 axes can cause memory errors or system crashes

Description

If more than 22 axes are configured, the array limits of the CXA_MotionInterface can be exceeded subsequently causing memory errors or system crashes.

Troubleshooting

The array size is adjusted based on the number of axes so that the array limits cannot be exceeded.

4.1.2 Bug 885765: CXA_MotionInterface – The PlcOpenState value differs from the respective value in the Data Layer

Description

The value of the variable `arAxisStatus_gb[].Data.DeviceStatus.PlcOpenState` in the MotionInterface differs from the Data Layer node value: `motion/realtime/cyclicStatusData/data/X/PlcOpenState`

Troubleshooting

The variable `arAxisStatus_gb[].Data.DeviceStatus.PlcOpenState` always maps the corresponding value in the Data Layer.

4.1.3 Bug 898015: CXA_MotionInterface – Faulty Admin_OpModeAck signal when commanding "ModePosAbs"

Description

If the value `arAxisCtr_gb[].Admin_OpMode` is commanded with "ModePosAbs" and the axis is not moved (e.g. distance to target position is 0) or the motion is completed, the status signal `arAxis_Status_gb[].Admin_OpModeAck)` displays the value "ModeStop". Status only during the motion: "ModePosAbs“

Troubleshooting

When the "ModePosAbs" command is enabled via `arAxisCtr_gb[].Admin_OpMode`, the status signal `arAxis-Status_gb[].Admin_OpModeAck` also displays the value "ModePosAbs" until a different value is transferred.

4.1.4 Bug 907566: CXA_ScriptInterpreter – IL_ScriptInstance always displays errors

Description

As soon as an error is reported at the output when the IL_ScriptInstance function block is called, the signal is no longer reset, even if the function block is called again.

Troubleshooting

State correction of IL_ScriptInstance after the reset. The function block can be called again multiple times.

4.1.5 Bug 907572: CXA_ScriptInterpreter – Revision of the IL_ScriptInstance function block – adaptation required in the project

Description

No instance is automatically generated via the IL_ScriptInstance function block. This has to be done before using the IL_CreateInstance function block.

Troubleshooting

The IL_CreateInstance function block creates an instance if it does not exist.

However, if the instance already exists with another language type, an error is reported.

The IL_ScriptInstance function block is extended by the "Language" input with the initial value "python".

If an existing project based on a previous version is opened, adjustments might be required:

- If a Python script is referenced, no adjustments are required.
- If a G-code script is referenced, the "Language" input has to be connected to gcode.

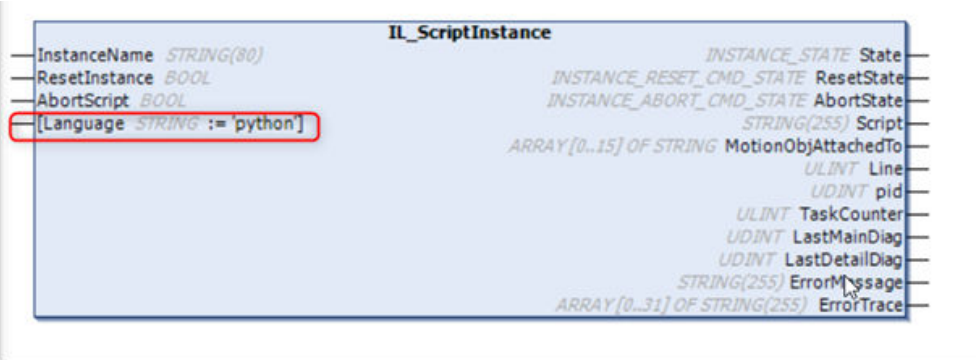


Fig. 1: IL_ScriptInstance function block

4.1.6 Bug 908761: CXA_ScriptInterpreter – Missing status for script instance in "RESTART" status.

Description

If the script instance is in "RESTART" status (read from data level), the "UNKNOWN" status is displayed.

Troubleshooting

The enumeration INSTANCE_STATE is extended by the "RESTART" value.

4.1.7 Bug 913933: CXA_ScriptInterpreter – Length limitation for scripts

Description

The input variables `"FileName"` of the IL_StartScriptFile function block and the `"ScriptString"` of the IL_StartScript function block are limited to 80 characters via the type declaration `STRING[80]`.

Troubleshooting

The function blocks IL_StartScriptFileType03 and IL_StartScriptType03 are introduced.

The respective `"FileName"` input is implemented as a `VAR_IN_OUT CONSTANT` with no length restriction.

4.2 Notes on use and known restrictions

4.2.1 Bug 346362: CXA_OpcUaClient – Download required when removing function blocks

Description

If the function block instances are removed using an “online change”, it can sporadically result in not releasing all resources again as for a dynamic memory. UA client instances client instances are also retained and are not deleted.

Workaround

If function block instances are removed, subsequently execute a complete download.

Consequently, resources as well as a previously created UA client instance are deleted again.

4.2.2 Bug 454480: ctrlX PLC/IO Engineering does sporadically not start anymore after installing a CoDeSys Professional package

Description

After installing a CODESYS Professional Package (e.g. GIT Support), a message is displayed on some PCs, informing the user about the missing codemeter software components. Consequently, the software cannot be started anymore.

Workaround

For information about the solution to the problem, please contact your Bosch Rexroth service partner.

4.2.3 Bug 697076: ctrlX PLC Engineering/ctrlX IO Engineering: Window is not displayed after starting the software

Description

Especially when changing monitors/resolution, the I/O or PLC Engineering might be opened and displayed in the taskbar, but the window is not visible.

Workaround

1. Click on the taskbar with the mouse.
2. Place the cursor on the icon in the taskbar.
   ➡ The preview window is displayed above the icon.
3. Move the cursor to the preview window using the mouse and right-click.
   ➡ The context menu opens.
4. Select the "Maximize" command to display the window in full screen mode or the "Move" command to move the window back into the visible area.

4.2.4 Bug 725531: ctrlX PLC Engineering: Error message "Object reference not set not set to an instance of an object" following changes in the PLC program

Description

Sporadically, the error message "Object reference not set to an instance of an object" is displayed in ctrlX PLC Engineering in the following context:

1. First, changes were made in the PLC program (e.g. library manager) and then the "Clean all" command was executed.

2. The "Generate code" command was then called or a download to the control was initiated.

Workaround

Exit ctrlX PLC Engineering and restart the software.

4.2.5 Bug 771554: ctrlX PLC Engineering: Online change

Description

If recipes or SFC are used in the PLC program, the following problem can occur:

Initial situation: PC1 and PC2 are operated in different networks.

An application is transferred from PC1 to control A. The associated PLC project is stored on a drive that can be accessed from PC1 and PC2. If the project is now opened by PC 2 and it is tried to log in to control A, a message is reported stating that an online change is required. The same problem also occurs if a project archive is exchanged between PC1 and PC2.

5 PLE-V-0206.4

5.1 Resolved defects and modifications

5.1.1 Bug 852506: Paste command is missing after copying a control below the project node

Description

After copying a control below the project node, the command required for pasting is not displayed in the context menu of the project node.

5.1.2 Bug 852792: Restrictions regarding project synchronization

Description

The diagnostics for project synchronization are insufficient. Even after clicking on the black icon in the bottom right menu bar, only limited information is available.

- If project synchronization is enabled and the selected control does not respond, the user cannot clearly identify the problem.
  If it is subsequently tried to retrieve the project from the control, it is reported that no project is stored on the control.
- Deactivation of project synchronization is not saved in the project.
  This property is only included after additional changes have been made to the project.
- If a project is opened via the menu in ctrlX PLC Engineering, no project synchronization takes place, although this option is always enabled.

5.1.3 Bug 853850: Using a CustomSetupAddOns.json file during an update results in an incomplete installation

Description

If in case of an update, a CustomSetupAddOns.json file is used for the additional installation of add-ons during a ctrlX PLC or IO Engineering installation, an error occurs if the contained add-ons have already been installed.

The installation can subsequently not longer be used.

A new installation is required.

5.2 Notes on the use and known restrictions

5.2.1 Bug 346362: CXA_OpcUaClient – Download required when removing function blocks

Description

If the function block instances are removed using an “online change”, it can sporadically result in not releasing all resources again as for a dynamic memory. UA client instances client instances are also retained and are not deleted.

Workaround

If function block instances are removed, subsequently execute a complete download.

Consequently, resources as well as a previously created UA client instance are deleted again.

5.2.2 Bug 454480: ctrlX PLC/IO Engineering does sporadically not start anymore after installing a CoDeSys Professional package

Description

After installing a CODESYS Professional Package (e.g. GIT Support), a message is displayed on some PCs, informing the user about the missing codemeter software components. Consequently, the software cannot be started anymore.

Workaround

For information about the solution to the problem, please contact your Bosch Rexroth service partner.

5.2.3 Bug 697076: ctrlX PLC Engineering/ctrlX IO Engineering: Window is not displayed after starting the software

Description

Especially when changing monitors/resolution, the I/O or PLC Engineering might be opened and displayed in the taskbar, but the window is not visible.

Workaround

1. Click on the taskbar with the mouse.
2. Place the cursor on the icon in the taskbar.
   ➡ The preview window is displayed above the icon.
3. Move the cursor to the preview window using the mouse and right-click.
   ➡ The context menu opens.
4. Select the "Maximize" command to display the window in full screen mode or the "Move" command to move the window back into the visible area.

5.2.4 Bug 725531: ctrlX PLC Engineering: Error message "Object reference not set not set to an instance of an object" following changes in the PLC program

Description

Sporadically, the error message "Object reference not set to an instance of an object" is displayed in ctrlX PLC Engineering in the following context:

1. First, changes were made in the PLC program (e.g. library manager) and then the "Clean all" command was executed.

2. The "Generate code" command was then called or a download to the control was initiated.

Workaround

Exit ctrlX PLC Engineering and restart the software.

5.2.5 Bug 771554: ctrlX PLC Engineering: Online change

Description

If recipes or SFC are used in the PLC program, the following problem can occur:

Initial situation: PC1 and PC2 are operated in different networks.

An application is transferred from PC1 to control A. The associated PLC project is stored on a drive that can be accessed from PC1 and PC2. If the project is now opened by PC 2 and it is tried to log in to control A, a message is reported stating that an online change is required. The same problem also occurs if a project archive is exchanged between PC1 and PC2.

6 PLE-V-0206.3

6.1 New functions

6.1.1 Feature 817659: ctrlX PLC Engineering/ctrlX IO Engineering: Update CODESYS 3.5.19.70

Description

The ctrlX PLC Engineering and ctrlX I/O Engineering software have been updated to CODESYS version 3.5.19.70.

6.2 Resolved defects and modifications

6.2.1 Bug 766126: ctrlX PLC Engineering: Error message in case of port forwarding "The gateway entered into the project does not exist"

Description

If the address of the control is entered manually into the "Communication" tab with port forwarding, e.g. 127.0.0.1:8443, the error message "The gateway entered into the project does not exist..." is displayed and logging in fails.

Workaround

Execute the "Scan network" command and select the IP address of the control.

It can also be adjusted manually:

Open the "Edit communication ports" dialog in the "Communication" tab under "Device -> Options" and enter the ports manually. Logging in is then possible.

6.2.2 Bug 837481: CXA_Datalayer.library - – exception error after execution of GetMemoryMap

Description

The GetMemoryMap method resulted in a nullpointer exception error after executing the method SetMemoryMap.

Bugfix

The interface for the GetMemoryMap method had to be changed.

Existing boot projects based on version 2.6.0 will therefore no longer start after an update to version 2.6.1.

6.2.3 Bug 841579: Project synchronization fails with read-only *.project-File

Description

For example, if the project file was added to version control, the file is probably write-protected. In this case, project synchronization does not work.

6.2.4 Bug 846289: Project synchronization fails with substituted drive

Description

If a project was stored on a substituted drive, project synchronization could not be performed.

6.3 Notes on the use and known restrictions

6.3.1 Bug 346362: CXA_OpcUaClient – Download required when removing function blocks

Description

If the function block instances are removed using an “online change”, it can sporadically result in not releasing all resources again as for a dynamic memory. UA client instances client instances are also retained and are not deleted.

Workaround

If function block instances are removed, subsequently execute a complete download.

Consequently, resources as well as a previously created UA client instance are deleted again.

6.3.2 Bug 454480: ctrlX PLC/IO Engineering does sporadically not start anymore after installing a CoDeSys Professional package

Description

After installing a CODESYS Professional Package (e.g. GIT Support), a message is displayed on some PCs, informing the user about the missing codemeter software components. Consequently, the software cannot be started anymore.

Workaround

For information about the solution to the problem, please contact your Bosch Rexroth service partner.

6.3.3 Bug 697076: ctrlX PLC Engineering/ctrlX IO Engineering: Window is not displayed after starting the software

Description

Especially when changing monitors/resolution, the I/O or PLC Engineering might be opened and displayed in the taskbar, but the window is not visible.

Workaround

1. Click on the taskbar with the mouse.
2. Place the cursor on the icon in the taskbar.
   ➡ The preview window is displayed above the icon.

3. Move the cursor to the preview window using the mouse and right-click.
   ➡ The context menu opens.
4. Select the "Maximize" command to display the window in full screen mode or the "Move" command to move the window back into the visible area.

6.3.4 Bug 725531: ctrlX PLC Engineering: Error message "Object reference not set not set to an instance of an object" following changes in the PLC program

Description

Sporadically, the error message "Object reference not set to an instance of an object" is displayed in ctrlX PLC Engineering in the following context:

1. First, changes were made in the PLC program (e.g. library manager) and then the "Clean all" command was executed.
2. The "Generate code" command was then called or a download to the control was initiated.

Workaround

Exit ctrlX PLC Engineering and restart the software.

6.3.5 Bug 771554: ctrlX PLC Engineering: Online change

Description

If recipes or SFC are used in the PLC program, the following problem can occur:

Initial situation: PC1 and PC2 are operated in different networks.

An application is transferred from PC1 to control A. The associated PLC project is stored on a drive that can be accessed from PC1 and PC2. If the project is now opened by PC 2 and it is tried to log in to control A, a message is reported stating that an online change is required. The same problem also occurs if a project archive is exchanged between PC1 and PC2.

6.3.6 Bug 852506: Paste command is missing after copying a control below the project node

Description

After copying a control below the project node, the command required for pasting is not displayed in the context menu of the project node.

Workaround

Use the keyboard combination "CTRL "+"V" for inserting.

6.3.7 Bug 853850: Using a CustomSetupAddOns.json file during an update results in an incomplete installation

Description

If in case of an update, a CustomSetupAddOns.json file is used for the additional installation of add-ons during a ctrlX PLC or IO Engineering installation, an error occurs if the contained add-ons have already been installed.

The installation can subsequently not longer be used.

A new installation is required.

Workaround

Before updating, check the CustomSetupAddOns.json file and remove any existing packages.

Bugfix

Uninstall the incomplete product and reinstall it.

7 PLE-V-0206.0

7.1 New functions

7.1.1 Feature 683656: Convenient access to non-realtime Data Layer variables

Description

The "Add data layer variables" command is provided to simplify access to ctrlX Data Layer Variables in the non-realtime section from the PLC program. A description enables access to the configured variables via their names in the PLC program. The description can be implemented online via ctrlX CORE watchlists in the Data Layer or offline via a file in json format. In addition to variables based on the standard data types, FlatBuffer variables can also be configured.

7.1.2 Feature 732073: ctrlX PLC Engineering API — Access to interfaces

Description

The ctrlX PLC Engineering API provides access functions for interfaces (type ITF).

7.1.3 Feature 748742: Signing libraries and software

Description

The libraries provided via the ctrlX PLC Engineering setup and the relevant software components are now signed digitally.

7.1.4 Feature 750747: Convenient access to ctrlX Data Layer realtime data

Description

Enables the exchange of PLC data via the Data Layer. IEC programs are generated for this purpose. They provide a Global Variable List (GVL) on the Data Layer either as output or as input. Compared to the previous option of providing data on the Data Layer, this new function supports complex data types such as STRING or ARRAY and can be used more flexibly.

7.1.5 Feature 794619: ctrlX PLC / IO Engineering — Update CODESYS 3.5.19.60

Description

The development environments ctrlX PLC Engineering and ctrlX I/O Engineering are now based on CODESYS version 3.5.19.60.

As a new compiler version is available, the profile version was increased (only for ctrlX PLC Engineering).

7.2 Notes on the use and known restrictions

7.2.1 Bug 346362: CXA_OpcUaClient – Download required when removing function blocks

Description

If the function block instances are removed using an “online change”, it can sporadically result in not releasing all resources again as for a dynamic memory. UA client instances client instances are also retained and are not deleted.

Workaround

If function block instances are removed, subsequently execute a complete download.

Consequently, resources as well as a previously created UA client instance are deleted again.

7.2.2 Bug 454480: ctrlX PLC/IO Engineering does sporadically not start anymore after installing a CoDeSys Professional package

Description

After installing a CODESYS Professional Package (e.g. GIT Support), a message is displayed on some PCs, informing the user about the missing codemeter software components. Consequently, the software cannot be started anymore.

Workaround

For information about the solution to the problem, please contact your Bosch Rexroth service partner.

7.2.3 Bug 697076: ctrlX PLC Engineering/ctrlX IO Engineering: Window is not displayed after starting the software

Description

Especially when changing monitors/resolution, the I/O or PLC Engineering might be opened and displayed in the taskbar, but the window is not visible.

Workaround

1. Click on the taskbar with the mouse.
2. Place the cursor on the icon in the taskbar.
   ➡ The preview window is displayed above the icon.
3. Move the cursor to the preview window using the mouse and right-click.
   ➡ The context menu opens.
4. Select the "Maximize" command to display the window in full screen mode or the "Move" command to move the window back into the visible area.

7.2.4 Bug 725531: ctrlX PLC Engineering: Error message "Object reference not set not set to an instance of an object" following changes in the PLC program

Description

Sporadically, the error message "Object reference not set to an instance of an object" is displayed in ctrlX PLC Engineering in the following context:

1. First, changes were made in the PLC program (e.g. library manager) and then the "Clean all" command was executed.

2. The "Generate code" command was then called or a download to the control was initiated.

Workaround

Exit ctrlX PLC Engineering and restart the software.

7.2.5 Bug 766126: ctrlX PLC Engineering: Error message in case of port forwarding "The gateway entered into the project does not exist"

Description

If the address of the control is entered manually into the "Communication" tab with port forwarding, e.g. 127.0.0.1:8443, the error message "The gateway entered into the project does not exist..." is displayed and logging in fails.

Workaround

Execute the "Scan network" command and select the IP address of the control.

It can also be adjusted manually:

Open the "Edit communication ports" dialog in the "Communication" tab under "Device -> Options" and enter the ports manually. Logging in is then possible.

7.2.6 Bug 771554: ctrlX PLC Engineering: Online change

Description

If recipes or SFC are used in the PLC program, the following problem can occur:

Initial situation: PC1 and PC2 are operated in different networks.

An application is transferred from PC1 to control A. The associated PLC project is stored on a drive that can be accessed from PC1 and PC2. If the project is now opened by PC 2 and it is tried to log in to control A, a message is reported stating that an online change is required. The same problem also occurs if a project archive is exchanged between PC1 and PC2.

8 Service and support

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Internet:	➦ http://www.boschrexroth.com

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Preparing information

To be able to help you more quickly and efficiently, please have the following information ready:

- Detailed description of malfunction and circumstances
- Type plate specifications of the affected products, in particular type codes and serial numbers
- Your contact data (phone and fax number as well as your e-mail address)

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