Version Update from V. 5.5.0 to V. 5.5.1
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1 New features

Below, all features that are new in this version, as well as the enhancements are listed.

1.1 Motion Setup

1.1.1 New sensor added to JM-1008

The sensor type LinMot has been added to the JM-1008 sensor list.

1.2 STX compiler

1.2.1 New warning

If too long a constant string is assigned to a string variable, a warning is now displayed.

1.2.2 Error message - Array limits

The error message at invalid array limits has been adjusted.

1.3 General information

1.3.1 Modified NetConsistency.xml

Now, simulation axes are no longer listed in the file NetConsistency.xml.
2 Fixed software bugs

This chapter describes the software bugs which have been fixed in the new software release.

2.1 IntelliSense

2.1.1 JetSym failed to open IntelliSense when defining a method

If the user entered a dot after the method identifier while defining a method, JetSym sometimes failed to open IntelliSense.

2.2 Setup

2.2.1 Copying of variable blocks did not work

JetSym failed to copy a highlighted variable block from a program file into the column Name of a setup window. As a result, the cells of the column remained empty.

2.3 General issues

2.3.1 Wrong tab order and missing shortkey in dialog "Add Project Configuration"

Items in dialog Add Project Configuration were not addressed in correct order when the user pressed the Tab key. Further, in this dialog, the shortkey was missing for one of the checkboxes.

2.3.2 During program download windows sometimes disappeared

If during program download a message box was displayed and the message was acknowledged, it could happen that the JetSym window disappeared behind other windows on the desktop.

2.3.3 Once a project involving EtherCAT simulation axes had been loaded it was marked as "modified"

Once a project that involved EtherCAT simulation axes had been loaded, it was sometimes marked as modified by mistake.

2.3.4 Problems in combination with JetCAN

Simultaneous communication of several control systems (setups, monitor, downloads, etc.) via JetCAN could lead to a crash, to freezing or disconnection.

2.3.5 Restrictions at adding files to the folder "Others"

Existing files could only be added to the folder Others of a certain project, if the file name complied with the JetSym file name conventions.

2.4 STX

2.4.1 Incorrect compiler error message

If in source code the keyword Program was not followed by a program name, JetSym issued the error message Controller does not support the STX language. The correct error message is Program expected.
2.4.2 Multiple inheritance of interfaces

If interfaces with multiple inheritance were used, the STX compiler considered some of them as non-conforming.

2.4.3 Crash of JetSym caused by faulty syntax

If in an STX program there occurred a construct `<known object instance>.<unknown identifier>`, which means there was an invalid field identifier, JetSym occasionally crashed during compilation.

2.5 Program editor

2.5.1 Now, moving breakpoints is supported

Now, breakpoints can be moved within a program document. To this end, press the control key and drag a breakpoint with the mouse along the page margin of the program document to another line.

2.5.2 Incorrect selection in the case of When ... Then ... Continue ... End_When

It could happen that the beginning and end of a selection was incorrect if the keyword Continue was used within a When block.

2.5.3 Problems with tooltips if tabs were used in comments

If there were tabs in comments on a variable declaration, JetSym failed to fully show the tooltip for this variable.

2.5.4 Tooltip was not shown in editor sometimes

Sometimes the tooltip was not shown in editor if there was one or several underscores in the identifier name.

2.5.5 Inactive menu item Go To Declaration/Definition for variables and functions

In the case of variables or functions following an address or dereferencing operator, menu item Go To Definition/Declaration could be inactive.

2.5.6 Go To Definition in connection with keyword "this"

If within a method the keyword this was used, it could happen that the function Go To Definition of structure elements located behind the keyword did not work.

2.5.7 Menu items "Rename identifier" and "Find references"

In an implicit structure declaration, the menu items "Rename identifier" and "Find references" were not active within the shortcut menu.

2.5.8 Freezing the program at editing

When editing large program files of several thousand lines of code it could happen that JetSym was frozen for several seconds.
2.6  Motion API

2.6.1  Parameter in `AxisMovePtp.StartNewTargetPosition()` was optional by mistake

In method `AxisMovePtp.StartNewTargetPosition()` parameter `PositioningMode` was optional by mistake.

2.7  Publisher/Subscriber

2.7.1  Default settings of the configuration parameter "Activate Error Handling" for inputs

At configuring publisher/subscriber communication, the configuration parameter `Activate Error Handling` for inputs (from the controller perspective) was set to `active` by default.

2.7.2  Incorrect assignment of the status register after JX3-BN-ETH was newly created

Publisher / Subscriber status registers have been assigned to the wrong publisher after creating a new JX3-BN-ETH.