Contents

B&R Revision Information (06.09.2019) Automation Studio 4.5.4 SP

Contents

Requests and problems by version .................................................................................................................. 1
Requests and problems by product/component ................................................................................................. 3

1A4300.02 Automation Studio 4.x

Build ....................................................................................................................................................................... 3
Build 4.5.4.53 .......................................................................................................................................................... 4
Build – Fieldbus ...................................................................................................................................................... 5
Build – FinalizeBuild .......................................................................................................................................... 5
Build – IECCompiler .......................................................................................................................................... 5
Build – IOMapBuilder ....................................................................................................................................... 6
Build – OPC-UA .................................................................................................................................................. 6
Build – Taskbuilder .......................................................................................................................................... 6
Build – Transfer To Target ................................................................................................................................ 6
Build – VCI ............................................................................................................................................................ 7

Diagnostics – Analyse Network .......................................................................................................................... 7
Diagnostics – Debugger ....................................................................................................................................... 7
Diagnostics – Logset .......................................................................................................................................... 7
Diagnostics – Trace ............................................................................................................................................ 7
Diagnostics – Watch ........................................................................................................................................... 7

IO Configuration – DTM ................................................................................................................................... 8
IO Configuration – DTM 3rd party ..................................................................................................................... 8
IO Configuration – Modbus TCP .................................................................................................................... 8

Online Compare – Software ............................................................................................................................... 8

Programming – ANSI C .................................................................................................................................... 9
Programming – ANSI C ++ 4.5.4.46 .................................................................................................................. 9
Programming – Automation Components Configuration Editor ...................................................................... 9
Programming – Interface Configuration Editor ............................................................................................. 9
Programming – IO Configuration Editor ........................................................................................................ 9
Programming – IO Mapping Table Editor ..................................................................................................... 9
Programming – LD ........................................................................................................................................... 9
Programming – Motion – Accpos Parameter Table Editor ............................................................................ 10
Programming – Motion – AS Inline Speed Tangue Chart .............................................................................. 10
Programming – Motion – NC Mapping Table Editor .................................................................................... 10
Programming – OPC UA Default View Editor ............................................................................................. 10
Programming – Software Configuration Editor ........................................................................................... 10
Programming – ST ........................................................................................................................................... 10
Programming – System Configuration ............................................................................................................ 11
Programming – System Designer ................................................................................................................... 11
Tools – Manage 3rd Party Devices ................................................................................................................... 11
Tools – Technology Guarding .......................................................................................................................... 11

VisualComponents Editor – VC4 .................................................................................................................... 11

Workspace – Export/Import ............................................................................................................................ 12
Workspace – Find/Replace ............................................................................................................................... 12
Workspace – Logical View .............................................................................................................................. 12
Workspace – Physical View ............................................................................................................................ 12
Workspace – Project Compare ......................................................................................................................... 12
Workspace – Textsystem .................................................................................................................................. 12
Workspace – Unit System ................................................................................................................................ 12
# B&R Revision Information (06.09.2019)
## Automation Studio 4.5.4 SP

The current revision information can be downloaded from the B&R Homepage download area ([http://www.br-automation.com/en/downloads](http://www.br-automation.com/en/downloads)).

### Contents
- Requests and problems by version
- Requests and problems by product/component

### Requests and problems by version

<table>
<thead>
<tr>
<th>ID</th>
<th>Valuation since</th>
<th>Solved since</th>
<th>Known since</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400280035</td>
<td>AS4.5.04 SP</td>
<td>V04.3.4.4</td>
<td></td>
<td>SafeDESIGNER version not entered automatically after adding X20SL8101</td>
</tr>
<tr>
<td>400281870</td>
<td>AS4.5.04 SP</td>
<td>mppvView 5.6.0</td>
<td></td>
<td>All elements of structure offered for selection in variable selection dialog box of mapp View even if they have not been enabled in the UA default view</td>
</tr>
<tr>
<td>400279799</td>
<td>AS4.5.04 SP</td>
<td>mapp Services 5.5.0</td>
<td></td>
<td>Missing content name leads to “Unhandled exception error”</td>
</tr>
<tr>
<td>400294961</td>
<td>AS4.5.04 SP</td>
<td>AS4.6.02</td>
<td></td>
<td>Configured rights are interpreted incorrectly</td>
</tr>
<tr>
<td>400291926</td>
<td>AS4.5.04 SP</td>
<td>AS4.6.02</td>
<td></td>
<td>RUC not creating empty folders when installing via RUC package</td>
</tr>
<tr>
<td>656020</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.04 SP</td>
<td></td>
<td>Keyboard shortcut for “Add network” (ALT+INS) no longer working in Ladder Diagram editor</td>
</tr>
<tr>
<td>400291932</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Build reported as successfully completed even though it was not executed due to an error in the pre-build event</td>
</tr>
<tr>
<td>400287937</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Error message not clear if BR.AS.Build.exe received non-existent configuration</td>
</tr>
<tr>
<td>400286855</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Warnings regarding mapp components when compiling project</td>
</tr>
<tr>
<td>400286976</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Version of user library not taken into account correctly during build</td>
</tr>
<tr>
<td>400294787</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Fieldbus configurator generating invalid configuration files when using the ACOPOSinverter 966</td>
</tr>
<tr>
<td>400287046</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Build time for OPC UA default view taking much longer than in previous version</td>
</tr>
<tr>
<td>400297357</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Cannot perform offline installation if simulation is active and the B&amp;R Hypervisor is being used</td>
</tr>
<tr>
<td>400293888</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Crash when displaying the Logger</td>
</tr>
<tr>
<td>400284545</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Invalid XML Syntax in the lopkg file can not be loaded by the AS logger.</td>
</tr>
<tr>
<td>400290467</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Tab key handled incorrectly in text editor when adding a code snippet</td>
</tr>
<tr>
<td>640715</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Automation Studio crash if monitor mode enabled immediately after opening an ANSI C or ANSI C++ program</td>
</tr>
<tr>
<td>400299754</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>“Syntax error in expression” in German Automation Studio</td>
</tr>
<tr>
<td>400290672</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Entered Ethernet parameters lost if the operating mode was changed immediately beforehand</td>
</tr>
<tr>
<td>400294285</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Error output when opening Speed Torque Chart in the output window</td>
</tr>
<tr>
<td>400291692</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Existing rights configurations changed when changing the inheritance from “Inherit all” to “Inherit none”</td>
</tr>
<tr>
<td>400291515</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Roles of other nodes deleted after changing a right of a subordinate node</td>
</tr>
<tr>
<td>400291610</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Input of some rights not possible with multiple selected UA variables</td>
</tr>
<tr>
<td>400286550</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Role configuration will not be deleted correctly</td>
</tr>
<tr>
<td>400290525</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Image of current hardware configuration saved when opening System Designer</td>
</tr>
<tr>
<td>400295131</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.03 SP</td>
<td></td>
<td>Not possible to operate X20IF10D1−1 simultaneously with X20IF... in an X20 Compact CPU</td>
</tr>
<tr>
<td>400286417</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>Creation of Runtime Utility Center package not working for ARM CPUs with simulation enabled</td>
</tr>
<tr>
<td>400295179</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>Crash during build</td>
</tr>
<tr>
<td>400274579</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>Crash during build</td>
</tr>
<tr>
<td>400297265</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>Error 9499 is reported in a build with big projects.</td>
</tr>
<tr>
<td>400285503</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>No check for maximum number of POWERLINK RPDOs</td>
</tr>
<tr>
<td>400288703</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>Invalid strings in ERange referencias can cause an exception</td>
</tr>
<tr>
<td>400283633</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>Memory bottleneck due to &quot;restricted&quot; declarations</td>
</tr>
<tr>
<td>400287118</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>Error creating temporary files</td>
</tr>
<tr>
<td>400285179</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>&quot;Null reference exception&quot; when running the Network Analyzer</td>
</tr>
<tr>
<td>400290029</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>DTM device type Information missing in the device information</td>
</tr>
<tr>
<td>400281318</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>3rd-Party Device Manager dialog box not displayed correctly</td>
</tr>
<tr>
<td>400281276</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>SmartEdit support for nested structures not working correctly in ANSI C editor</td>
</tr>
<tr>
<td>400285816</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>Possible to enter DC bus voltage for ACOPos drive in the Speed Torque Chart editor</td>
</tr>
<tr>
<td>400289736</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>AS crashing when trying to rename a variable that no longer exists</td>
</tr>
<tr>
<td>400288634</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>&quot;Replace in files&quot; not including all source files</td>
</tr>
<tr>
<td>400285707</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>AS only reporting possible version mismatch for the first file if several hardware files used in a project</td>
</tr>
<tr>
<td>400283260</td>
<td>AS4.5.04 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>Error 496D in some cases when compiling a project with an APC600</td>
</tr>
<tr>
<td>400294306</td>
<td>AS4.5.04 SP</td>
<td>AS4.4.07 SP</td>
<td></td>
<td>Imported POWERLINK devices not recognized as inverters</td>
</tr>
<tr>
<td>400284131</td>
<td>AS4.5.04 SP</td>
<td>AS4.4.06 UP</td>
<td></td>
<td>Import of DTM devices failing</td>
</tr>
<tr>
<td>400279710</td>
<td>AS4.5.04 SP</td>
<td>AS4.4.06 UP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Revision Information Automation Studio 4.5.4 SP</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>---</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Possible for arrays of numeric data types to be incorrectly selected as data source (sink) for numeric input/output fields</td>
<td>40025649 Problem AS4.5.04 SP AS4.4.06 SP Project installation package created with invalid settings</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parameter &quot;Asymmetrical in/out quantity&quot; for X2X interfaces not taken into account in X2X cycle time calculation</td>
<td>40027656 Problem AS4.5.04 SP AS4.4.06 SP DTM devices with special characters in name causing errors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Text editor displaying incorrect tooltip in function blocks when debugger hits breakpoint</td>
<td>40028664 Problem AS4.5.04 SP AS4.4.06 SP Automation Studio crashing when double-clicking on a search result</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect function block instance set in text editors in monitor mode when using &quot;Go to implementation&quot;</td>
<td>400246052 Problem AS4.5.04 SP AS4.3.xx [FR001029.1] Code snippet added instead of tabulator when pressing TAB inside comment or string</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Several minutes sometimes necessary to upload data objects in the software configuration editor</td>
<td>40028664 Problem AS4.5.04 SP AS4.3.08 SP Offset used with compound units to convert values between the units (not permitted)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Station address 0 not permitted with DTM</td>
<td>400263449, 400262721, 400264530, 400265644, 400265670, 400263942, 400261174, 400263118, 400267048, 400255911, 400266683, 400260318, 400270684, 400270070, 400270331, 400271736, 400272579, 400272273, 400267192, 400272938, 400274322, 400274385, 400274382, 400272262, 400272998, 400272991, 400272392, 400272616, 400273933, 400278557, 400277156, 400282688, 400291642 Problem AS4.5.04 SP ARSG 4.4.52.4_D04.52 Cannot create project installation package if B&amp;R Hypervisor is active and at least one terminal device is used</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Structure members of simple types which are part of an array are not recognized as simple types</td>
<td>400286584 Problem AS4.5.03 SP ARSG 4.4.53_C04.48 Automation Studio crashing in text editor if the tooltip for structure variables should be displayed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stuck booting when Modbus slave connected to X20IF2181−2</td>
<td>638894 Problem AS4.5.03 SP AS4.5.03 SP Automation Studio crash if editor closed immediately after opening an ANSI C or ANSI C++ program</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source file comparison not working on the target system</td>
<td>638882 Problem AS4.5.03 SP AS4.5.03 SP Source file comparison not working on the target system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automation Studio crash if editor closed immediately after opening an ANSI C or ANSI C++ program</td>
<td>638880 Problem AS4.5.03 SP AS4.5.03 SP Automation Studio crash if editor closed immediately after opening an ANSI C or ANSI C++ program</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Implicit deletion of additional devices is terminated correctly when clicking &quot;Stop build&quot;.</td>
<td>400275658 Problem AS4.5.03 SP AS4.5.03 SP Problem with constants of old libraries with ANSI C data objects</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A build error is reported, if all source files of a program are located within a subfolder.</td>
<td>400285736 Problem AS4.5.03 SP AS4.5.03 SP Communication between VxWorks and iCN not working if manual I/O offset disabled</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not possible to set breakpoints in Structured Text and B&amp;R Automation Basic</td>
<td>400279624 Problem AS4.5.03 SP AS4.5.03 SP Communication between VxWorks and iCN not working if manual I/O offset disabled</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PPC3100 is not supported in the VC4 Builder.</td>
<td>400275934 Problem AS4.5.03 SP AS4.5.03 SP Not possible to set breakpoints in Structured Text and B&amp;R Automation Basic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400269744 Problem AS4.5.03 SP AS4.5.02 Library rebuilt on every build</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400267433 Problem AS4.5.03 SP AS4.5.02 Make variables in additional build options are not replaced with their corresponding value</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400276959 Problem AS4.5.03 SP AS4.5.02 Problem with constants of old libraries with ANSI C data objects</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400276658 Problem AS4.5.03 SP AS4.5.02 Sporadically all build processes are terminated correctly when clicking &quot;Stop build&quot;.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400279600 Problem AS4.5.03 SP AS4.5.02 A build error is reported, if all source files of a program are located within a subfolder.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400245190 Problem AS4.5.03 SP AS4.5.02 Communication between VxWorks and iCN not working if manual I/O offset disabled</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400275677 Problem AS4.5.03 SP AS4.5.02 Not possible to set breakpoints in Structured Text and B&amp;R Automation Basic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400275684 Problem AS4.5.03 SP AS4.5.02 Cannot transfer project due to transfer settings</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400276323 Problem AS4.5.03 SP AS4.5.02 PPC3100 is not supported in the VC4 Builder.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400269825 Problem AS4.5.03 SP AS4.5.02 Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400283929 Problem AS4.5.03 SP AS4.5.02 DTM device type Information missing in the device information</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400276292 Problem AS4.5.03 SP AS4.5.02 Implicit deletion of additional devices possible when deleting DTM device from the 3rd−party device manager</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400277752 Problem AS4.5.03 SP AS4.5.02 Automatic variable declaration in ST programs offering lowercase keywords</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>400280018 Problem AS4.5.03 SP AS4.5.02 Value of another parameter displayed incorrectly under certain circumstances when saving the hardware configuration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
<td>40027581 Problem AS4.5.03 SP AS4.5.02 Cannot add library examples</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Requests and problems by product/component

1A4300.02 Automation Studio 4.x

Build

ID#400291926 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
Invalid include statement not reported as error

ID#400291932 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
Build reported as successfully completed even though it was not executed due to an error in the pre-build event

ID#400267937 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
Error message not clear if BR.AS.Build.exe received non-existent configuration

ID#400288609 : solved problem, known since AS4.3.08 SP, solved since AS4.5.04 SP
At Clean configuration / rebuild the whole Temp/Transfer folder is deleted.

ID#400288855 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
Warnings regarding mapp components when compiling project

400270290 Problem AS4.5.03 SP AS4.4.06 SP Not recognized if no remote station is entered for the POWERLINK controlled node
400272997 Problem AS4.5.03 SP AS4.4.06 SP Callstack navigation does not work with GDB 6.3.
400270167 Problem AS4.5.03 SP AS4.4.05 SP Import of text files not possible if project contains referenced text files
400277442 Problem AS4.5.03 SP AS4.3.08 SP OPCUA BUILD for AR A4.31 to D4.34 fails when using OPCUA methods.
400258159 Problem AS4.5.03 SP AS4.3.08 SP Automatic license extension not possible if Automation Studio licensing was originally performed in an older version
400256410 Problem AS4.5.03 SP AS4.3.06 SP .iom file not updated when renaming hardware module
400274384 Problem AS4.5.03 SP AS4.3.04 UP Error message 4510 output when building Automation Studio project
400250623 Problem AS4.5.03 SP AS4.3.00 SP Automation Runtime warning 30038 if CAN IO and CANopen enabled on the same interface
400270541 Problem AS4.5.03 SP ARSG4_4.45.1_A04.45 SP References to variables within structure not always placed correctly
400256913 Problem AS4.5.03 SP ARSG4_4.44.6_F04.44 SP No channels displayed in System Diagnostic Manager on "$X20BC0083":IF1 if module configured as additionally supported hardware

400273253 Problem AS4.5.03 SP AS4.4.xx [FR001041.0] "SystemNullReferenceException" when resizing text box
400273689 Problem AS4.5.03 SP AS4.4.06 UP Default value of property "netX configuration file" empty
400273628 Problem AS4.5.03 SP AS4.4.06 UP SDM running and accessible on terminal device even if disabled in the configuration
400275133 Problem AS4.5.03 SP AS4.4.06 SP Library rebuilt on every build
400273930 Problem AS4.5.03 SP AS4.4.06 SP Error generating IEC declarations from ANSI C
400274014 Problem AS4.5.03 SP AS4.4.06 SP Corrected sporadic build error 9499
400270929 Problem AS4.5.03 SP AS4.4.06 SP Not recognized if no remote station is entered for the POWERLINK controlled node
4002727590 Problem AS4.5.03 SP AS4.4.06 SP When using OSAFT to connect SAFE modules in different configurations the BUILD might abort in some cases
400274318 Problem AS4.5.03 SP AS4.4.06 SP Exception logged in output window when compiling project if the hardware configuration in an Automation Studio project is referenced
400279847 Problem AS4.5.03 SP AS4.4.06 SP Compilation of source file aborted without error message
400243932 Problem AS4.5.03 SP AS4.4.06 SP Backtrace of unhandled C++ exceptions
400274084 Problem AS4.5.03 SP AS4.4.06 SP Double-clicking on a position in the call stack not always positioning to the corresponding position in the text editor
400274213 Problem AS4.5.03 SP AS4.4.06 SP No class members offered in auto-complete in ANSI C++ editor after entering a delimiter
400273303 Problem AS4.5.03 SP AS4.4.06 SP Constants declared in the namespace not offered for autocomplete in the ANSI C++ editor
400272780 Problem AS4.5.03 SP AS4.4.06 SP Operator overloads added incorrectly in ANSI C++ editor
400275086 Problem AS4.5.03 SP AS4.4.06 SP When converting from file format 3 to file format 4 some rights are not transferred correctly
400273280 Problem AS4.5.03 SP AS4.4.06 SP Operator overloads added incorrectly in ANSI C++ editor
400273302 Problem AS4.5.03 SP AS4.4.06 SP No class members offered in auto-complete in ANSI C++ editor after entering a delimiter
400273301 Problem AS4.5.03 SP AS4.4.06 SP No class members offered in auto-complete in ANSI C++ editor after entering a delimiter
400270929 Problem AS4.5.03 SP AS4.4.06 SP Not recognized if no remote station is entered for the openSAFETY over UDP Tunnel
400273930 Problem AS4.5.03 SP AS4.4.06 SP Error generating IEC declarations from ANSI C
400274014 Problem AS4.5.03 SP AS4.4.06 SP Corrected sporadic build error 9499
400270929 Problem AS4.5.03 SP AS4.4.06 SP Not recognized if no remote station is entered for the openSAFETY over UDP Tunnel
400272997 Problem AS4.5.03 SP AS4.4.06 SP Callstack navigation does not work with GDB 6.3.
400270167 Problem AS4.5.03 SP AS4.4.05 SP Import of text files not possible if project contains referenced text files
400277442 Problem AS4.5.03 SP AS4.3.08 SP OPCUA BUILD for AR A4.31 to D4.34 fails when using OPCUA methods.
400258159 Problem AS4.5.03 SP AS4.3.08 SP Automatic license extension not possible if Automation Studio licensing was originally performed in an older version
400256410 Problem AS4.5.03 SP AS4.3.06 SP .iom file not updated when renaming hardware module
400274384 Problem AS4.5.03 SP AS4.3.04 UP Error message 4510 output when building Automation Studio project
400250623 Problem AS4.5.03 SP AS4.3.00 SP Automation Runtime warning 30038 if CAN IO and CANopen enabled on the same interface
400270541 Problem AS4.5.03 SP ARSG4_4.45.1_A04.45 SP References to variables within structure not always placed correctly
400256913 Problem AS4.5.03 SP ARSG4_4.44.6_F04.44 SP No channels displayed in System Diagnostic Manager on "$X20BC0083":IF1 if module configured as additionally supported hardware
ID#400289276 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
Version of user library not taken into account correctly during build

ID#400286417 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
Creation of Runtime Utility Center package not working for ARM CPUs with simulation enabled

ID#400274719 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
Crash during build
If the logical object of a deployed task doesn’t exist, an exception occurs.

ID#400285736 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
Make variables in additional compiler options not replaced by their corresponding value

ID#400274719 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
Crash during build
If a constant PV is declared that is of the type of a directly derived data type and the base data type is an array, error message "Build / AnalyseProject has stopped working" may be displayed during build and the project is not completely built.

ID#400277444 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
Library rebuilt on every build

ID#400276256 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
Error 9499 is reported in a build with big projects.

ID#400274384 : solved problem, known since AS4.3.04 UP, solved since AS4.5.03 SP
Error message 4510 output when building Automation Studio project
If a library containing IEC declaration files is used as a static library in an Automation Studio project, error message 4510 is output during build.

ID#400277335 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
Make variables in additional build options are not replaced with their corresponding value.

ID#400276959 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
Problem with constants of old libraries with ANSI C data objects
Old libraries that use macro "_IEC_CONST" in the header file (e.g. VISAPI) and the default include mechanism in ANSI C data objects cause the values of the constants of these libraries to be stored in the data object.

ID#400275658 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
Sporadically not all build processes are terminated correctly when clicking "Stop build".

ID#400275133 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
Library rebuilt on every build

ID#400273930 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
Error generating IEC declarations from ANSI C
When generating IEC declarations from ANSI C, errors occur due to parallel execution.

ID#400276000 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
A build error is reported, if all source files of a program are located within a subfolder.

ID#400245190 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
Communication between VxWorks and iCN not working if manual I/O offset disabled

ID#400274014 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
Corrected sporadic build error 9499

ID#400272174 : solved problem, known since AS4.4.05 SP, solved since AS4.5.03 SP
IO mapping was created during the build, although it was disabled in the software configuration.

Build 4.5.4.03

ID#400279356 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
Error 6724 when compiling project
Build – ConfigurationBuilder
ID#4002828503 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
   No check for maximum number of POWERLINK RPDOs
   An error message is not output during build if more RPDOs are necessary than the receiver (SafeLOGIC controller) can process due to the hardware structure.

ID# 4002860035, 400281870 : solved problem, known since V04.3.4.4, solved since AS4.5.04 SP
   SafeDESIGNER version not entered automatically after adding X20SLI8101

ID#400270929 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
   Not recognized if no remote station is entered for the POWERLINK controlled node
   Automation Studio does not output an error if the configuration name of the ICn is missing in the POWERLINK controlled node.

ID#400270929 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
   Not recognized if no slave configuration is entered
   Automation Studio does not output an error if the name of the slave configuration is missing in openSAFETY over Modbus TCP.

ID#400270929 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
   Not recognized if no remote station is entered for the openSAFETY over UDP Tunnel
   Automation Studio does not output an error if the configuration name of the remote station is missing in the openSAFETY over UDP Tunnel.

ID#400260623 : solved problem, known since AS4.0.00, solved since AS4.5.03 SP
   Automation Runtime warning 30030 if CAN I/O and CANopen enabled on the same interface

ID#400256913 : solved problem, known since ARSG4.4.4.6,F04.44, solved since AS4.5.03 SP
   No channels displayed in System Diagnostic Manager on "X20BC0083".IF1 if module configured as additionally supported hardware

ID#400274315 : solved problem, known since AS4.4.06 UP, solved since AS4.5.03 SP
   "AR configuration module as a simple data object" does not work if module path contains make variables.

ID#400272590 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
   When using OSAFT to connect SAFE modules in different configurations the BUILD might abort in some cases

Build – Fieldbus
ID#400294787 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
   Fieldbus configurator generating invalid configuration files when using the ACOPOSinverter P66

ID#400249030 : solved problem, known since AS4.4.05 SP, solved since AS4.5.03 SP
   Entries for X20CS modules missing in generated device description files in a POWERLINK master project

ID#400269469 : solved problem, known since AS4.4.05 SP, solved since AS4.5.03 SP
   FieldbusBuilder creating invalid files when using module X20ZF0000

Build – FinalizeBuild
ID#400274318 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
   Exception logged in output window when compiling project if the hardware configuration in an Automation Studio project is referenced
   This error only occurs if netX configurations are used and their names differ from the default names.

Build – IECCompiler
ID#400279647 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
   Compilation of source file aborted without error message
   The abort occurs if an action programmed in Sequential Function Chart (SFC) is called in a text−based programming language. The action must also contain action steps, but no action blocks are permitted to be assigned to these action steps.

ID#400277677 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
   Not possible to set breakpoints in Structured Text and B&R Automation Basic
   When using GCC version 4.1.2, no breakpoints are displayed in the edge bar for certain SG4 target systems (ARM) in the text editor for Structured Text and B&R Automation Basic.
Build – IOMapBuilder
ID#400274014 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
Parsing meta information in temporary created declaration files is defect
Parsing meta information in automatically created declaration files is defect. This leads to unresolved build dependencies. With this fix all meta information are read correctly.

Build – OPC-UA
ID#400294961 : solved problem, known since AS4.6.02, solved since AS4.5.04 SP
Configured rights are interpreted incorrectly
If "Inherit Read Only" is set in the inheritance hierarchy of rights on a level, the rights of the underlying nodes are not interpreted correctly.

ID#400288703 : new function since AS4.5.04 SP
Invalid strings in EURange references can cause an exception
When manually entering an invalid string for an EURange reference the Opcua- Build will cause an exception. This can be reproduced by entering an array Variable with missing closing brace (e.g.: arrayVariable[2)

ID#400283127 : solved problem, known since ARSG4_4.45.3_C04.45, solved since AS4.5.04 SP
Structure members of simple types which are part of an array are not recognized as simple types

ID#400267466 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
Build time for OPC UA default view taking much longer than in previous version
Building the OPC UA default view takes longer than in previous version 5.4.2 due to an incorrect interpretation of show array elements. The time necessary depends on the number and size of the enabled array variables.

ID#400277442 : solved problem, known since AS4.3.08 SP, solved since AS4.5.03 SP
OPCUA BUILD for AR A4.31 to D4.34 fails when using OPCUA methods.
The BUILD of the project will fail during OPCUA BUILD when using OPCUA methods and the AR version is > A431 and < D434.

Build – Taskbuilder
ID#400283533 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
Memory bottleneck due to "restricted" declarations
TaskBuilder runs out of memory if many "restricted" declarations are used.

ID#400271108 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
Error creating temporary files
When temporary files are created for the purpose of compressing BR module contents, errors occur sporadically, some of which may be attributed to the "Avira" virus scanner used. The method for generating these temporary files has been changed. These files are now locked for other users for their entire lifetime.

Build – Transfer To Target
ID#400297357 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
Cannot perform offline installation if simulation is active and the B&R Hypervisor is being used

ID#400296604 : solved problem, known since AS4.6.02, solved since AS4.5.04 SP
RUC not creating empty folders when installing via RUC package
Due to an incorrect path specification, empty folders are not created during an installation via RUC package. The error correction corrects the incorrect path specification; empty folders are created as expected.

ID#400291642 : solved problem, known since ARSG4_4.52.4_D04.52, solved since AS4.5.04 SP
Cannot create project installation package if B&R Hypervisor is active and at least one terminal device is used

ID#400258549 : solved problem, known since AS4.4.06 SP, solved since AS4.5.04 SP
Project installation package created with invalid settings
ID#400275894 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
Cannot transfer project due to transfer settings

Build – VC4
ID#400278323 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
PPC3100 is not supported in the VC4 Builder.

Diagnostics – Analyse Network
ID#400278856 : solved problem, known since AS4.4.06 SP, solved since AS4.5.04 SP
Parameter “Asymmetrical in/out quantity” for X2X interfaces not taken into account in X2X cycle time calculation
ID#400280179 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
"Null reference exception" when running the Network Analyzer
If parameter “Bus cycle trigger” deviates from set sign “Auto”, a “null reference exception” may occur when executing the Network Analyzer.

ID#400258159 : solved problem, known since AS4.3.08 SP, solved since AS4.5.03 SP
Cycle time calculated incorrectly
The cycle time calculation returns an incorrect result.

Diagnostics – Debugger
ID#400269770 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
Since usage of GDB 6.3 some breakpoint information where misinterpret
With this fix GDB 6.3 breakpoint information where read correctly.
ID#400272997 : solved problem, known since AS4.4.05 SP, solved since AS4.5.03 SP
Callstack navigation does not work with GDB 6.3.
By click on a callstack entry AutomationStudio does not point the cursor to the corresponding source line in editor.
With this fix it is possible to navigate to the corresponding source line for each frame in callstack.

Diagnostics – Logger
ID#400293888 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
Crash when displaying the Logger
Automation Studio may crash when displaying Logger entries from a saved file or online target system. This occurs if Logger entries chained over several hundred levels are present in the logbook.
ID# 400289454, 400296382 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
Invalid XML Syntax in the logpkg file can not be loaded by the AS logger.
When trying to load logpkg file which include XML syntax errors the AS Logger will fail to open teh file.
In earlier AS versions the syntax error could also be caused by the AS itself, when saving the content of the logger window.
ID#400243932 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
Backtrace of unhandled C++ exceptions
Function exit() in the AS toolchain was implemented to generate a meaningful backtrace in case of unhandled C++ exceptions

Diagnostics – Trace
ID#400268925 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
Incorrect display of the trace status when using multiple trace instances at the same time
If several instances of the variable trace are started for different tasks, the status of the trace may be displayed incorrectly. Trace recording is running on the target system, but Automation Studio indicates that the trace configuration must first be installed.

Diagnostics – Watch
ID#400286254 : solved problem, known since AS4.4.04, solved since AS4.5.04 SP
Automation Studio crashing when opening Watch window
Automation Studio may crash when you open the Watch window. This happens when the software configuration contains many modules for the open project and the Watch window is opened again for the same program.
IO Configuration – DTM

ID#400294306 : solved problem, known since AS4.4.07 SP, solved since AS4.5.04 SP
Imported POWERLINK devices not recognized as inverters
If an XDD file is imported that is marked as an inverter according to CiA 402, the resulting device is not recognized as an inverter.

ID#400264131 : solved problem, known since AS4.4.06 UP, solved since AS4.5.04 SP
Import of DTM devices failing
If a fieldbus description file for EtherCAT or PROFINET devices contains several devices with identical names, this file cannot be imported.

ID#400267169 : solved problem, known since AS4.3.08 SP, solved since AS4.5.04 SP
Configured OCTET channels on DTM devices not working
If OCTET channels are configured in the channel configuration of DTM devices, all of the channels for this module may provide incorrect data in some circumstances.

ID#400273589 : solved problem, known since AS4.4.06 UP, solved since AS4.5.03 SP
Default value of property "netX configuration file" empty
If the default value of property "netX configuration file" is restored in the editor, the value of this property remains empty.

IO Configuration – DTM 3rd party

ID#400283929 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
DTM device type Information missing in the device information
If DTM devices are imported, the DTM device type information is missing in their description after a DTM catalog update.

ID#400283929 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
3rd−Party Device Manager dialog box not displayed correctly
If the 3rd−Party Device Manager dialog box was used on a monitor that is no longer available, this dialog box may not be displayed correctly when reopened.

ID#400279203 : solved problem, known since AS4.4.06 SP, solved since AS4.5.04 SP
DTM devices with special characters in name causing errors
If projects are opened with DTM devices whose device names also contain special characters such as ",", these devices may not be found.

ID#400275292 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
Implicit deletion of additional devices possible when deleting DTM device from the 3rd−party device manager
If a DTM device whose source file contains several DTM devices is deleted from the 3rd−party device manager, these devices are implicitly deleted without the knowledge of the user.

ID#400251086 : solved problem, known since AS4.3.05 SP, solved since AS4.5.04 SP
Station address 0 not permitted with DTM
Station address 0 is not permitted for slave devices behind a third−party DTM gateway device.

IO Configuration – Modbus TCP

ID#400270742 : solved problem, known since AS4.7.01, solved since AS4.5.03 SP
Stuck booting when Modbus slave connected to X20IF2181−2
When Modbus slave is connected to X20IF2181−2 the arconfig output at project build is wrong (no slave is detected at master) and booting sticks.

Online Compare – Software

ID#400277931 : solved problem, known since AS4.3.08 SP, solved since AS4.5.04 SP
Several minutes sometimes necessary to upload data objects in the software configuration editor
ID#400281276 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
  SmartEdit support for nested structures not working correctly in ANSI C editor

ID#400290467 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
  Tab key handled incorrectly in text editor when adding a code snippet
  The selected code snippet variable is replaced by a tab instead of selecting the next code snippet variable.

ID#400246052 : solved problem, known since AS4.3.xx [FR001029.1], solved since AS4.5.04 SP
  Code snippet added instead of tabulator when pressing TAB inside comment or string

ID#400274084 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
  Double-clicking on a position in the call stack not always positioning to the corresponding position in the text editor

ID#400274213 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
  No class members offered in autocomplete in ANSI C++ editor after entering a delimiter

ID#400273302 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
  No entries offered for template classes with SmartEdit in the ANSI C++ editor

ID#400273303 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
  Constants declared in the namespace not offered for autocomplete in the ANSI C++ editor

ID#400273280 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
  Operator overloads added incorrectly in ANSI C++ editor

ID#640715 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
  Automation Studio crash if monitor mode enabled immediately after opening an ANSI C or ANSI C++ program

ID#639125 : solved problem, known since AS4.5.03 SP, solved since AS4.5.03 SP
  Automation Studio crash if editor closed immediately after opening an ANSI C or ANSI C++ program

ID#638765 : solved problem, known since AS4.5.03 SP, solved since AS4.5.03 SP
  Automation Studio crash if monitor mode enabled immediately after opening an ANSI C or ANSI C++ program

ID#400274213 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
  No class members offered in autocomplete in ANSI C++ editor after entering a delimiter

ID#400273302 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
  No entries offered for template classes with SmartEdit in the ANSI C++ editor

ID#400273303 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
  Constants declared in the namespace not offered for autocomplete in the ANSI C++ editor

ID#400273280 : solved problem, known since AS4.4.06 SP, solved since AS4.5.03 SP
  Operator overloads added incorrectly in ANSI C++ editor

ID#634520 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
  Automation Studio crash if editor closed immediately after opening an ANSI C or ANSI C++ program

ID#400277999 : solved problem, known since mapp Services 5.5.0, solved since AS4.5.04 SP
  Missing content name leads to "Unhandled exception error"
  When clicking the dropdown field for content (MpReport->Section: 1->Content: 1) the "Unhandled exception error" occurs if no content with an identifier (name) exists.

ID# 400256410 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
  "Syntax error in expression" in German Automation Studio

ID#656020 : solved problem, known since AS4.5.04 SP, solved since AS4.5.04 SP
  Revision Information Automation Studio 4.5.4 SP
Keyboard shortcut for “Add network” (ALT+INS) no longer working in Ladder Diagram editor

Programming – Motion – Acopos Parameter Table Editor

ID# 400269878, 400271150 : solved problem, known since AS4.4.05 SP, solved since AS4.5.03 SP

Parameters missing when adding motor to ACOPOS parameter table
If MotorInduction_any or MotorSynchronous_any is added from the Hardware Catalog to the ACOPOS parameter table, some parameters are missing.

Programming – Motion – AS Inline Speed Torque Chart

ID#400285816 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP

Possible to enter DC bus voltage for ACOPOS drive in the Speed Torque Chart editor
ID#400294258 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP

Error output when opening Speed Torque Chart in the output window
If the Speed Torque Chart is opened for a motor with less than three letters, an error occurs.

Programming – Motion – NC Mapping Table Editor

ID#400266463 : solved problem, known since AS4.4.05 SP, solved since AS4.5.03 SP

Change of node number in NC mapping table lost when closing AS
If the node number in the NC mapping table is changed, it is also displayed correctly in the hardware tree. After closing and reopening AS, however, the old node number is again in the hardware tree.

Programming – OPC UA Default View Editor

ID#400289736 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP

AS crashing when trying to rename a variable that no longer exists
AS crashes when trying to rename a variable marked as non-existent in the OPC UA default view.

ID#400291692 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP

Existing rights configurations changed when changing the inheritance from “Inherit all” to “Inherit none”
If the inheritance is changed from “Inherit all” to “Inherit none”, then existing rights are changed without manual intervention.

ID#400291515 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP

Roles of other nodes deleted after changing a right of a subordinate node
After changing from “Inherit all” to “Inherit none” and then changing a right, the roles of other nodes are deleted.

ID#400289160 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP

Input of some rights not possible with multiple selected UA variables
ID#400286550 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP

role configuration will not be deleted correctly
ID#400283165 : solved problem, known since mappView 5.6.0, solved since AS4.5.04 SP

All elements of structure offered for selection in variable selection dialog box of mapp View even if they have not been enabled in the UA default view
ID#400275086 : solved problem, known since AS4.4.06 UP, solved since AS4.5.04 SP

Possible for arrays of numeric data types to be incorrectly selected as data source (sink) for numeric input/output fields
In the mapp View content editor, arrays of numeric data types can also be selected as data sources or data sinks for numeric input/output fields.

ID#400279110 : solved problem, known since AS4.4.06 UP, solved since AS4.5.04 SP

When converting from file format 3 to file format 4 some rights are not transferred correctly

Programming – Software Configuration Editor

ID#400275252 : solved problem, known since AS4.4.05 SP, solved since AS4.5.03 SP

Software configuration editor constantly rebuilt if editor opened together with the project

Programming – ST

ID#400274489 : solved problem, known since AS4.4.06 SP, solved since AS4.5.04 SP

Text editor displaying incorrect tooltip in function blocks when debugger hits breakpoint
Incorrect function block instance set in text editors in monitor mode when using "Go to implementation"

Automatic variable declaration in ST programs offering lowercase keywords

Automation Studio crashing in text editor if the tooltip for structure variables should be displayed

Value of another parameter displayed incorrectly under certain circumstances when saving the hardware configuration

If a configuration of a hardware module contains parameters whose IDs are not unique across the entire hardware module, then changing one of these parameters and subsequently saving the hardware configuration will result in this value being displayed for the first, other parameter with the same ID even though it was not changed. After closing and reopening the hardware configuration, however, the correct value is displayed again.

This error can occur if settings for the second channel are changed in the configuration of an ACOPOS P3, for example. The changed values are then mistakenly also displayed for the first channel.

Deleting an axis feature reference not working

Deleting an axis feature reference from a drive configuration has no effect. The reference is entered again after reopening the configuration editor.

SDM running and accessible on terminal device even if disabled in the configuration

Image of current hardware configuration saved when opening System Designer

The image of the current hardware configuration is only permitted to be rebuilt when saving of closing System Designer if changes are made.

Automation Studio crashing when double−clicking on a search result

If a hardware module is deleted in the Physical View while System Designer is closed and then this module is searched for using "Search in files", it is still found in the source file of System Designer. Double−clicking on this search result causes Automation Studio to crash.

"SystemNullReferenceException" when resizing text box

If a module and text box are selected in System Designer and then the size of the text box is changed, "SystemNullReferenceException" occurs and Automation Studio no longer responds.

Possible duplicates from frozen DTM modules

If DTM modules are frozen, it is possible that these modules appear 2x in the Hardware Catalog and 3rd−party device manager.

Automatic license extension not possible if Automation Studio licensing was originally performed in an older version

Sporadic Automation Studio crash if the VC4 editor is opened as part of an Automation Studio project

If the VC4 editor is opened as part of an Automation Studio project, Automation Studio may sporadically crash. This occurs especially if the VC4 editor is maximized or resized.

This error occurs with Windows 10 version 1803 or later.
Workspace – Export/Import
ID#400277581 : solved problem, known since AS4.5.02, solved since AS4.5.03 SP
Cannot add library examples
If a visualization object is contained in a project, no library example can be added.

Workspace – Find/Replace
ID#400288634 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
“Replace in files” not including all source files
“Replace in files” does not include the data settings in the hardware configuration file and Technology Package configuration files.

Workspace – Logical View
ID#400270269 : solved problem, known since AS4.4.05 SP, solved since AS4.5.03 SP
Cannot move OPC UA remote server configuration .uaserver within the mapp View directory
ID#400269468 : solved problem, known since AS4.4.05 SP, solved since AS4.5.03 SP
AS crash when adding user library
If a user library with an invalid name that is too long (>10 characters) is added to a project, AS crashes if the library is added several time.

Workspace – Physical View
ID#400295131 : solved problem, known since AS4.5.03 SP, solved since AS4.5.04 SP
Not possible to operate X20IF10D1−1 simultaneously with X20IF... in an X20 Compact CPU
ID#400285076 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
AS only reporting possible version mismatch for the first file if several hardware files used in a project
ID#400283260 : solved problem, known since AS4.5.02, solved since AS4.5.04 SP
Error 4860 in some cases when compiling a project with an APC600
If a project with an APC600 is compiled, error 4860 may occur. This is only the case if a 5LS182.6−2 is checked in and used as SRAM, however. In addition, at least one device must be attached to the PLK interface. Moreover, a display must be connected and configured and an explicit node number must also have been assigned in the SystemUnit properties.

Workspace – Project Compare
ID#633820 : solved problem, known since AS4.7.01, solved since AS4.5.03 SP
Source file comparison not working on the target system
If a project contains a reference to a package that does not exist and no files necessary for building the project are entered in this package, the project can be transferred to the target system. The source file comparison on the target system does not work in this case. The following message is output: “Source files comparison on target not possible. Compare data were manipulated.”

Workspace – Textsystem
ID#400270167 : solved problem, known since AS4.4.05 SP, solved since AS4.5.03 SP
Import of text files not possible if project contains referenced text files
If there is a TMX file in the opened Automation Studio project and a referenced file that refers to this file, an unjustified error message is generated when importing texts. This error message has been removed.
The referenced file can be deleted as a workaround.

Workspace – Unit System
ID#400283691 : solved problem, known since AS4.3.08 SP, solved since AS4.5.04 SP
Offset used with compound units to convert values between the units (not permitted)