

Automation Studio 3.0.81 / 3.0.90

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Build error when a project is built with a version of Windows XP with different language

If a project is created on a PC with an English version of Windows XP and then modified on a PC with a German version of Windows XP, error messages are generated during a build.

Cause	Archive paths to Visual Components libraries are absolute, which results in a different path in a German version of Windows (C:\Program Files <=> C:\Programme).
Reaction	With Automation Studio 3.0.90 and higher, system path names will be used instead of the absolute ones.
Remedy	<p>To avoid a Rebuild all, use the following work around:</p> <ul style="list-style-type: none">• Open the software configuration• Open the properties dialog box for the modified task - on the "Linker" tab, disable the option "Automatic using of all libraries"• Build => An error message is generated once• Open the properties dialog box for the modified task - on the "Linker" tab, disable the option "Automatic using of all libraries"• Now the error messages will no longer appear when building.

Build error if "DATE", "WSTRING", "TOD", "BYTE", "WORD", "DWORD" is used as the name of a structure element

The names "DATE", "WSTRING", "TOD", "BYTE", "WORD", "DWORD" are not valid names for a structure element, because with Automation Studio 3.0.90 (IEC expansions) these are valid data types.

Cause	Prior to Automation Studio 3.0.90 these names were not reserved data types.
Reaction	<p>Starting with Automation Studio 3.0.90, these names are reserved for data types and must not be declared in user structures. A corresponding error message is output during compilation.</p> <p>e.g.. <i>C:\Projects\Data Type\Logical\Task1\Task1.typ (Ln: 14, Col: 8) : Error 1856: Illegal structure component name</i></p>
Remedy	Any of these names that are used in the project must be changed.

FB input check in Ladder Diagram

Enumerators with an incompatible data type not checked when building a Ladder Diagram program.

Cause	Prior to Automation Studio 3.0.90 the data types of enumerators as an FB input in Ladder Diagram were not checked. e.g. <i>C:/Projects/Project1/Logical/Task1/Task1.Id: Error 1140: Data type mismatch: Cannot convert Enum1_typ to Enum2_typ.</i>
Reaction	Starting with Automation Studio 3.0.90, the data types of enumerators will be checked during a build. If the data type is incorrect, a corresponding error message is generated.

Error message for missing channel in I/O-I/O mapping

If there is a missing channel in the I/O-I/O mapping for EPLV2 cross-communication, an error is generated during compilation instead of a warning.

Reaction	Starting with Automation Studio 3.0.90 an error message is generated if one of the channels assigned in the I/O-I/O mapping is missing. This increases protection against errors.
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2.x project with APC/PPC can't be converted

An Automation Studio 2.x project with an APC or PPC (ARemb or ARwin) can't be opened using Automation Studio 3.0.90.

Cause	Due to the new way that APCs and PPCs are displayed in Automation Studio 3.0.90, it is not possible to directly convert Automation Studio 2.x projects for use with these target systems.
Reaction	If an Automation Studio 2.x project (with an APC or PPC) is opened in Automation Studio 3.0.90, then " Error 240: Converting hardware configuration failed " is generated.
Remedy	Automation Studio projects with an APC or PPC target system can only be opened with Automation Studio 3.0.90 by converting them intermediately using Automation Studio 3.0.81.

Converting APC/PPC projects between 3.0.81 and 3.0.90

APC620/PPC700 - ARemb	In order to convert the project, a dummy CPU board (5PC600.E8xx-00.1 - 5PC600.E8x-00.4) is inserted.
APC620e - ARwin	For an APC620e, a 5PC600.X855-00 is inserted as the CPU board in order to convert the project, which the user must then replace with the correct CPU board. With AR 3.08 and up, the CPU board is recognized by the hardware detection on the target system.

APC810/APC820/PPC800 - ARwin

For an APC810/APC820/PPC800, a 5PC800.B945-00 is inserted as the CPU board in order to convert the project, which the user must then replace with the correct CPU board. With AR 3.08 and up, the CPU board is recognized by the hardware detection on the target system.