

Changelist TwinCAT 3.1.4024.25 to 4024.29

XAE:

- Optimized: Import tzip files lead to incorrect paths (ADOS:28045)
- Optimized: XAE had problems after working with a specific project for some time (ADOS:50927).
- Optimized: Autogenerated Type could be changed in editor (ADOS:64711).
- Optimized: VariantManagement: Network adapter was not saved correctly variant specifically, if 'Virtual Device Names' was activated (ADOS:72578).
- Optimized: XAE had problems if a percent sign (%) was used with attribute 'TcLinkTo' (ADOS:72653).
- Optimized: Automation Interface: Change of encrypt file did not change the encryption of the file (ADOS:74256).
- Optimized: Automation Interface: ConsumeXml changes were overridden by closing tab dialog (ADOS:75508).
- Optimized: converting of TwinCAT 2 tsm did not work properly, reference was not set to an instance of an object if adding task reference to PLC (ADOS:75990).
- Optimized: task got allocated port number (ADOS:76274).

IO:

- Updated: EtherCAT Slave: 'm_guidTComEvent' readable via ADS (ADOS:67282).
- Optimized: TC/BSD: USB dongle occasionally caused "Send Mbx Communication Warning" error (ADOS:67906).
- Optimized: MQTT retain flag for 'last will' was not set correctly when the MQTT client sends the 'last will' when the socket is closed (ADOS:68843).
- Updated: Object name is used for EtherCAT emergency messages (ADOS:72921).
- Updated: System Manager checks now if the same NIC is used for standard EtherCAT and for Redundancy (ADOS:73857).
- Optimized: Profibus: Some modules with ' (' in name, were not accessible (ADOS:74512).
- Optimized: EthernetIP: Timeout multiplier combobox was not working correct (ADOS:75400).
- Updated: Support implemented for disabling sending of cyclic EtherCAT frames, that only have commands directed to disabled slaves (ADOS:76059).
- Optimized: EthernetIP: Sending of UDP IO frames was disturbed (ADOS:77063).

PLC:

- Optimized: Variables of structure ST_LibVersion were missing in automatically generated function F_GetVersion (ADOS:54090).
- Optimized: UML SC library 4.2.2.0 was not properly installed, although it was part of the "ManagedLibraries" folder (ADOS:73437).
- Optimized: Online change after a change of the mapping lead to problems (ADOS:73890).
- Optimized: FB_Reinit of Subinstance was not called during Online Change (ADOS:75210).

NC:

- Optimized: NC configuration decimal values missing / change in decimal symbol (ADOS:69881).
- Optimized: Small modifications on NC SAF and SVB task interrupt handling to prevent race conditions (ADOS:72774).
- Updated: "add to scope" functionality for NC axis (ADOS:73647).

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System:

- Updated: TC/BSD: OS Version in Add Route Dialog shows now correct TwinCAT/BSD (ADOS:66330).
- Optimized: Secure ADS: Hostname was limited to 32 bytes, longer FQDN could not connect (ADOS:66591).