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Release Notes: CODESYS V3.5 SP21 Patch 5

Key	Issue Type	Summary	Resolution	Note
CDS-97159	Bug	CLONE - CmpOpenSSL: Improve and update compatibility check for OS integrated OpenSSL versions	Fixed	
CDS-97084	Bug	CLONE - False Positive: VAR_GENERIC is not considered when evaluating constants	Won't Fix	
CDS-97034	Bug	CLONE - Onlinechange: "Internal error (x86-64): Unsupported conversion!" is generated after removing TON declaration and implementation in project	Fixed	
CDS-97012	Bug	CLONE - CmpRetain: Retain area is not initialized on download, when using Retain.DoubleBufferEnabled. Resulting in loss of retains	Fixed	
CDS-97005	Bug	CLONE - CmpOPCUAServer: Racecondition in session timeout calculation	Fixed	
CDS-96898	Improvement	CLONE - Add new 3slicense library version 3.5.21.50 to library resolution	Fixed	
CDS-96178	Bug	CLONE - [Logical Exchange GVL] Incomplete Editor if WIN language is Chinese(traditional)	Fixed	
CDS-96022	Bug	CLONE - Exception on Open FBS project due to merge	Fixed	[[GENERAL]] Update the ObjectType property on the

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		conflict markers		meta object after the object has been fetched.
CDS-96021	Improvement	CLONE - [Setup] Update InstallShield to latest version 2025 R1	Fixed	
CDS-96004	Bug	CLONE - CmpRedundancy on Control Win: Memleak in automatic synchronization under certain conditions	Won't Fix	[[GENERAL]] Bug fix not available at the time of the code close of this version. Therefore we had to close the issue with "Won't Fix". Bug Fix postponed on next version.
CDS-96003	Bug	CLONE - Project Compare: New slot device cannot be applied in project compare	Fixed	[[GENERAL]] When merging changes for a slot device, both of its associated lines must be accepted.
CDS-96002	Bug	CLONE - Handling of Library Parameters for Libraries that are resolved by Library Mapping Provider	Fixed	[[KNOWN_LIMITATIONS]] At the moment, changes to the parent EtherCAT device cannot be merged. This limitation is tracked in issue ECAT-879. [[GENERAL]] Only relevant if an implementation of ILibraryMappingProvider is active in the current installation. The library parameters were stored for a wrong library resolution. The values shown in the editor of the LibraryManager have been stored with a fixed version. This caused problems when updating the library to a different version. Now the library parameter will be stored without a version (only library name and company are part of the key)
CDS-95939	Bug	CLONE - WinCPP: Runtime crashes if exception occurs in FBInit	Fixed	[[KNOWN_LIMITATIONS]] For existing projects, the values have to be changed again, then the values will be stored correctly. Only after a modification of the library parameters the correct key will be used.
CDS-95833	Bug	CLONE - Scripting: create_external_file_object adds file as link instead of embedded	Fixed	[[GENERAL]] - Only occurred on C++ Runtimes and an exception must be generated in GlobalInit/FB_Init =>No release blocking issue!
				[[GENERAL]] Modifications of a non-primary project are generally not supported and may lead to unexpected behaviour. Generally trying to do so for embedding file references will now lead to a warning, but OEMs may overwrite this behaviour in special cases.

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				With the following OEM customization hook, a file reference of an external file object can be set to embedded, even if it isn't part of the primary project. Section: Engine Key: FileReferenceSkipPrimaryProjectCheck Type: Bool [[GENERAL]]
CDS-95785	Bug	CLONE - CmpHilscherCIFS : Check customer feedback and fixes for message handling problems	Won't Fix	Too late for codeclose SP21 P5. No finally solution available after discussion with OEM customer.
CDS-95784	Improvement	CLONE - CmItf.m4/h: Increase/make overloadable static defines for MAX_COMPONENT_NAME and MAX_API_NAME	Fixed	
CDS-95762	Bug	CLONE - Device Tree: Green task icons in OEM device tree after Logout	Fixed	
CDS-95745	Bug	CLONE - CDS: Codesys IDE Exception when using multi-column edit and auto-completion	Fixed	
CDS-95562	Bug	CLONE - Incomplete Display of Logic ExchangeGVL Editor/Mapping under Chinese/Korean WIN OS language	Duplicate	
CDS-95433	Bug	CLONE - LDFBD, Monitoring: Unhandled exception when result of SUB on ULINT is invalid (negative)	Fixed	[[GENERAL]] The exception still occurs with the fix because the monitoring status must be evaluated before accessing the value or the exception needs to be caught in the editor: LDFBD-423 Editor must survive OnlineExprInterpreter exceptions
CDS-94921	Improvement	CLONE - RESET cold/warm/origin: Deny if RUN/STOP transition is already in progress	Fixed	

CODESYS AddOns

	Version
CODESYS Automation Server Connector	1.38.0.0
CODESYS Base Libraries	4.0.1.0
CODESYS SoftMotion	4.20.2.0
CODESYS Security Agent	1.4.0.0
CODESYS C Code Integration	4.0.0.0
CODESYS Core Dump	4.2.0.0
CODESYS Code Generator ARM	4.0.3.0

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CODESYS Code Generator ARM64	4.0.1.0
CODESYS Code Generator Blackfin	4.0.0.0
CODESYS Code Generator Cortex M3	4.0.2.0
CODESYS Code Generator PowerPC	4.0.2.0
CODESYS Code Generator RX	4.0.0.0
CODESYS Code Generator SH	4.0.0.0
CODESYS Code Generator TIC28x	4.0.0.0
CODESYS Code Generator TriCore	4.0.1.0
CODESYS Compiler Versions Archive	4.0.0.0
CODESYS Communication	4.7.0.0
CODESYS RISC Front End	4.0.2.0
CODESYS Target Settings Export	4.0.0.0
CODESYS Trace	4.3.0.0
CODESYS IO-Link	4.3.0.0
CODESYS Safety Support	4.1.0.0
CODESYS Redundancy	4.2.0.0
CODESYS NetX	4.0.0.0
CODESYS Memory Tools	4.1.0.0
CODESYS Modbus	4.5.0.0
CODESYS Ethernet Adapter	4.2.0.0
CODESYS EtherCAT	4.10.0.0
CODESYS CANopen	4.3.0.0
CODESYS EDS Import	4.3.0.0
CODESYS EtherNet/IP	4.8.0.0
CODESYS PROFIBUS	4.2.0.0
CODESYS SAE J1939	4.2.0.0
CODESYS PROFINET	4.7.2.0
CODESYS Scripting	4.2.0.0
CODESYS Recipes	4.7.0.0
CODESYS Embedded Runtime Extension	4.1.0.0
CODESYS Device Reader	4.0.0.0
CODESYS Visualization Support	4.7.0.0
CODESYS Visualization	4.9.1.0
CODESYS CFC	4.5.0.0
CODESYS Application Composer	4.4.0.0
CODESYS LD FBD	4.6.0.0
CODESYS SFC	4.4.0.0
CODESYS Ladder	1.2.0.0
CODESYS Usage Analysis	1.2.0.0
CODESYS String Libraries	4.1.0.0
CODESYS Library Dependency Inspection	1.1.0.0
CODESYS Math Libraries	4.0.0.0

CODESYS Group | We *software* Automation. to software

['sɒftwɛər]

transitive verb

__softwared/softwareing

: to develop software

// to software automation: to develop software for automation purposes

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