DDS

What's New in Version 21.1?

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1 DDS: Purpose and scope

This document describes the improvements and changes of the current DDS version compared to the previous versions.

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2.1 New Features, Major Improvements

Schlüssel	What's New In Dds
ADDS-18538	**Empty Configuration** All MappingScheme names in the \DDS_Global.grl used for Autosar Code generation are now conforming to a naming the same naming scheme as conventional MappingSchemes and only prefixed with "AR_" instead of just named "Autosar40" which might cause conflicts when more than a single MappingScheme is needed for the same Entity type (e.g. Com-Axis and Embedded Axis).
ADDS-18481	**ADDS Interface Prj-Handling** General enhancement of ADD Project handling within ADDS Interface GUI; ADD Composition path information fixed.
ADDS-18461	**Licensing** The installed DDS Package include a Software Package Data Exchange (**SPDX**)file containing the currently used licenses for 3rd-Party software. The SPDX is a file format used to document information on the software licenses under which a given piece of computer software is distributed. The file resides in the "Licenses" folder below the DDS installation directory.
ADDS-18311	**GenEdit**, **SysConf** Improved the Splash- and About-dialogs. Use the same design as other Visu-IT! tools.
ADDS-18284	**ImpADD** MEASUREMENTs shall be assigned to the SUB_FUNCTIONs of their containing SWU within the A2L file output.
ADDS-18279	**ImpADD** Onlines with integration INPUT, OUTPUT or LOCAL are treated differently by ASCET. Onlines with integration INPUT and OUTPUT are considered as messages while onlines with integration LOCAL are regarded as local variables. Only messages are manipulated by the message name pattern given by the import options, while local onlines keep their original name.
ADDS-777	**ExpA2** The FUNCTION-Block in an exported A2L did not contain all INPUT-Entities of a container, when those entities were Array- or Structure-Elements (referes to missing IN_MEASUREMENT and REF_CHARARACTERISTIC entries). This behaviour is changed. Now the FUNCTION-Block does contain all IN_MESUREMENTS and REF_CHARACTERISTIC entries regardless whether the entitites are array or structure elements.

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2.2 Minor Improvements, Correction of Bugs

Schlüssel	What's New In Dds
ADDS-18681	**ExpA2** A SYMBOL_LINK can have an offset. This offset was ignored when ExpA2 writes the address of an entity with SYMBOL_LINK and offset. New: If an entity has a SYMBOL_LINK with an offset, the offset is added to the address of the entity when it's written into an *.a2l file. The offset is either part of the SYMBOL_LINK attribute directly connected to the entity for simple entities. An entity like an array-member or struct-member will inherit the SYMBOL_LINK offset of it's closest ancestor in i'ts parent hierarchy if it does not have it's own SYMBOL_LINK set. If at least one offset is applied to an address, the resulting *.a2l contains a hint as comment to indicate that an offset manipulation has been applied (E.g. "Hints SLO<3>")
ADDS-18641	**ImpADD** Option "TreatAsValBlk" is also considered by internal entities DS_NAME and DS_VERSION which are artificially created for software components.
ADDS-18549	**ADDCore** Update ADDCore to fix filtering of DataObject included Autosar SoftwareComponent Interface. ADD fixed the Interface Mapping according to ADDS-15572.
ADDS-18530	**ImpA2** Fixed function assignments for members of structs, where the struct has a implicit arraySize ("[0]") and the member explicit ("ARRAY_SIZE 8").
ADDS-18473	**ImpCVX / Seml** Fixed sporadic crash of DDS due to "memory access violation" during the processing of ImpCVX.
ADDS-18332	**ImpADD** New explizit ErrorMessage when a Software Component (SWC) is specified for import in the ImpADD Options but does not exist in ADD. Instead of an arbitrary communication problem report between DDS and ADD the message W0171 "Can't find the specified DDSoftwareComponent '<name>' in ADD." is emitted and the import is stopped.
ADDS-18328	**ImpADD** Fixed a potential endless-recursion that can occur when a Composition or Container has the same name as a SoftwareComponent (SWC) in the hierarchy of a project or SoftwareComponent list during an ImpADD run. If a recursion is detected the import is stopped and the following message is emitted: W0172 "Can't import container, composition and softwareComponentContainer with the same name: '<name>'".
ADDS-18209	**ImpADD** Fixed a bug that may occur when the option "DataSpaceMemoryOptimizationMode" is set to "Optimize" and the project to be imported from ADD contains a structure that itself contains a variant coded dataspace and com-axis in combination.

ADD
S-166
07

Installer

The installer toolset WiX was upgraded to the currently newwest version available (v3.11). This version includes better support for Windows 10 and 64 Bit operating systems in regard of installing a necessary C++-Runtime (32-Bit or 64 Bit) along with the product itself.

ADD
S-138
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ExpSrc

Improved evaluation of DDS Script Variable "DDContainer" and "DDContainer.Name". When a source section needs to evaluate the container where a certain instance of an entity is in, only the type the instance was available. Therefore, depending on the source sections content and the context of the call, a wrong container was determined in the case of Autosar code export. As a consequence a the DDS script variable was wrongly evaluated.

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3.1 No longer supported features

Schlüssel	What's New In Dds
Keine Vorgänge gefunden	

3.2 Questions?

If you have any questions about this release, please contact the Visu-IT! Hotline:

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