



DDS

What's new in 23.2.R0?



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Table of Contents

1	DDS: Purpose and scope	3
2	DDS - What's new Info	3
2.1	Version 23.2.R0	3
2.1.1	New Features, Major Improvements	3
2.1.2	Minor Improvements, Correction of Bugs.....	4
3	DDS - What's new Appendix	6
3.1	No longer supported features.....	6
3.2	Questions?.....	6

1 DDS: Purpose and scope

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

2 DDS - What's new Info

2.1 Version 23.2.R0

2.1.1 New Features, Major Improvements

Key	What's New In Dds
ADDS-21894	<p>ImpADD</p> <p>In addition to already implemented filters, structure types are now filtered also based on the VendorInformation and the ExternalObject flag.</p>
ADDS-21809	<p>ImpADD / ExpSrc</p> <p>DDS does not create struct-type declarations for RTE-related struct types within a SWC related context.</p>
ADDS-21801	<p>ExpSRC</p> <p>Generate additional accessors (#define directives) for data-variants ASCET 7 (additional to the already existing one for ASCET 6).</p>
ADDS-21799	<p>ImpCVX</p> <p>Consider ASCET 7 names within the *.cvs file for init value import of the form:</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <pre><base name>.c<index_without_leading_0></pre> </div> <p>If the ImpCVX encounters such ASCET 7 names they are implicit converted to ASCET 6 names e.g for 1-dimensional arrays: <base name><2-digit index filled with leading zero's>_T. for multi-dimensional arrays <base name><2-digit index filled with leading zero's>_M. This ensures that further processing must not to be adapted.</p>
ADDS-21604	<p>ImpMAP</p> <p>New filter (experimental) that uses linker generated *.map files to import addresses in addition to the ImpELF filter. Using the ImpELF filter is still preferred, because the format of *.map files is not specified in contrast to the *.elf format and therefore dependent on the used compiler.</p>
ADDS-21473	<p>SWC</p> <p>It is now possible to edit the Remark for a SWC.</p>
ADDS-21078	<p>Seml</p> <p>Removed the occurrences of MS-Windows usernames in project-lock-files and *.log files generated by DDS.</p>

ADDS-19745

ImpADD

Support of a bitfield-width for members of bitfield-structures from ADD.

8 issues

2.1.2 Minor Improvements, Correction of Bugs

Key	What's New In Dds
ADDS-22055	ExpA2 Option description for Asap2Version "1.6" in the documentation was wrong and has been corrected.
ADDS-21999	ImpADD Properly preserve "IsExternalObject" flag for sub struct types.
ADDS-21963	ExpSrc Virtual structs generated for packed-bit online-entity grouping in Autosar mode conflicts with ExpSRC option "GenerateTypedefs4Structs" in a way that typedef types and instance name conflict an the compiler cannot distinct both identifiers anymore. Fixed code generation in order to be consistent and do not generate typedefs and keep raw C-struct-types instead in such cases.
ADDS-21927	ImpELF The ImpELF address import did not entirely treat structs with the attribute "packed" correctly. Especially, when the struct-type contains array elements, the addresses of those array-elements were not calculated e.g. <pre>struct __attribute__((packed)) A { char c; long l; short x[4]; int i; };</pre> Now, the ImpELF considers the DWARF symbol "DW_TAG_packed_type" correctly to calculate the addresses of packed-structs and its struct-members correctly.
ADDS-21922	ImpADD Fixed project-import with containers nested within compositions in combination with activated container-filtering.
ADDS-21897	ImpELF Fixed crash during import of a particular *.elf file when the option "SizeMismatchMode" is set to "ImportAll".
ADDS-21859	ExpSrc

Virtual structs generated for cal-entity grouping with ImpADD option "-DOMapping Struct_4CalibData" conflicts with ExpSRC option "GenerateTypedefs4Structs" in a way that typedef types and raw C-types are used inconsistently in some cases. Fixed code generation in order to be consistent when both options are used in combination.

[ADDS-21803](#)

ImpADD

Fixed lost axis-to-online reference in special SWC import mode.

[ADDS-21740](#)

Data Object

Fixed a problem that caused a crash if the base type of a data object was changed from float to ENUM under certain conditions and when using init values.

[9 issues](#)

3 DDS - What's new Appendix

3.1 No longer supported features

Key	What's New In Dds
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No issues found

3.2 Questions?

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

DDS Hotline

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DDS Product Page

Internet: visu-it.de/products/dds/