

Data Declaration System

What's new in Version 13.1?

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DDS Contact

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1 Purpose and scope

This document describes the improvements and changes made in DDS V13.1

2 What's new in Version V13.1.R0?

Improvements and changes of DDS V13.1.R0 compared to previous.

2.1 Features

ExpA2

- Export of addresses with default value (e.g. without ImpELF) is always set to 0x0.

ExpDDX

- Characters from code page CP1252 are correctly mapped to their unicode codepoints on DDX export.

ExpSrc

- New option "Export ProcessLocal" controls whether onlines with integration LOCAL and the attribute "processLocal" set to "true" are exported or not. In earlier versions of DDS this only could be controlled by the arbitrary attribute "visible".
- ClassConcept - Since pointer arithmetic on "void*" is not allowed according to ISO C90/C99 (and ANSI C89), therefore the generated pointers of access macros for multidimensional arrays (matrices) and the generated pointers for the offset-calculations are casted to "const char*".
- ClassConcept - Additionally, code is generated for all type declarations/definitions and macros including code for ImplSets configurations that are currently not in use.
- ClassConcept - Source code for "Switch-Macros" is generated in separate *_mData.h header files, residing inside the class version subfolder.

GenEdit

- Filter Menu-Item "Import DDX" is renamed to "Import DDS-DDX" to be more specific, which DDX files can be imported.

ImpADD

- ClassConcept - Name generation for classes preserves case-sensitivity instead of converting all names automatically to uppercase.

2.2 Improvements / Correction of Bugs

DDXMigration

- Semantic IDs of MO_USER Entities are regenerated on downgrade to DDX 2.19.

ExpA2

- ClassConcept - Export considers A2Lversion < 1.4. that do not support SYMBOL_LINK entries.

ExpMDX

- Artificial SW-Services entries are not exported in MDX anymore.

ExpSrc

- Value format for COM and Embedded Axis – Size of type "float" does not lead to non-compile-able code.

ImpA2

- Importing a DO multiple times during A2L Import (with Option "OverwriteExisting") does not collect unknown A2L attributes entries multiple times anymore. Existing entries are overwritten.

ImpELF

- For detected bitfields from an ELF file where the corresponding entity in DDS is incomplete the bitfield width was always assumed to be '1'. Now, the correct value is taken from the ELF files bitSize attribute.

SysConf

- Enable the Save-DB button also for "Add"-, "Modify"- and "Delete"-operations in the MappingScheme/Mapping Element page.

3 No longer supported filters/components

4 Questions?

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

DDS Hotline

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DDS Product page

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