

Data Declaration System

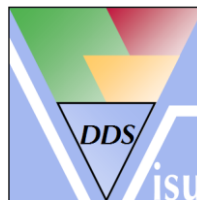
What's new in Version 6.1.R8?

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1 Purpose and scope

This document describes the improvements and changes of DDS V6.1.R8 compared to V6.0.R3.

2 What's new in Version V6.1.R0?

Improvements and changes of DDS V6.1.R0 compared to V6.0.R3.

2.1 New Features

2.1.1 Data Space Configuration

Support of data space configuration defined in ADD.

Affected components:

- ImpADD
- ExpSrc
- ExpDDX, ImpDDX
- ExpMDX

2.1.2 SW Compositions

Support of SW compositions defined in ADD.

Affected components:

- DDS Editor
- ImpADD
- ExpDDX, ImpDDX
- ExpMDX

2.1.3 Import ADD

New handling regarding inactive code variants

Data objects which have code variants which are not active (means: the data objects is not used) will be no longer imported to DDS. The ADD import filter checks if data objects are used and skip all unused data object during import.

Note: The evaluation/detection is only possible on project scope. Consequently, the generated source code may differ when a container is one time imported without project scope (not needed data objects might be present in the code) and another time with project scope (not needed data objects are skipped).

2.2 Minor Improvements / Correction of Bugs

2.2.1 Import ADD: Miscellaneous improvements

Improvements:

- Bugfix: Incorrect source section generation (resulting from ADD code variants) when data variants have similar code variants (e.g. ABC_SC > 0 and ABC_SC = 1, etc.)

2.2.2 Import ELF: Miscellaneous improvements

Improvements:

- Support of multiple entries with "0"-address in symbol table (problem occurred with compiler CTC 3.4.x)

2.2.3 ExpSrc: Miscellaneous improvements

Improvements:

- Bugfix: Incorrect init-code (for data variants) when a data variant additionally has a code variant which is not active.
- Bugfix related to matrix definitions which are defined as INPUT's in ADD
- Bugfix: Incorrect pragma settings in conjunction with variant coding

2.2.4 ExpMDX: Miscellaneous improvements

Improvements:

- New filter option "ForceAddressCheck". If the option is active, only instrumentation definitions with valid physical addresses are exported to the MDX file.

2.3 AddOn components

3 What's new in Version V6.1.R1?

Improvements and changes of DDS V6.1.R1 compared to V6.1.R0.

3.1 Minor Improvements / Correction of Bugs

3.1.1 ImpADD: Miscellaneous improvements

Improvements:

- New filter option "CodeVariantHandling" allows controlling how to handle Code Variants. The following modes are possible:
 - SkipInactive
Skip data objects which have inactive code variants (default)
 - ImportAll
Import all data objects regardless whether they have active or inactive code variants
 - Ignore
Ignore code variant settings at all and don't create sourceSections for definitions which are declared as code variants in ADD
- Bugfix: Rounding issues in ASAP2 file at lower/upper limits

3.1.2 ExpMDX: Miscellaneous improvements

Improvements:

- Bugfix: No address for embedded axes required

3.1.3 ImpELF: Miscellaneous improvements

Improvements:

- Support of multiple entries with "0-"address in symbol table also for codeSymbols (problem occurred with compiler CTC 3.4.x)

4 What's new in Version V6.1.R2?

Improvements and changes of DDS V6.1.R2 compared to V6.1.R1.

4.1 Minor Improvements / Correction of Bugs

4.1.1 ImpADD: Miscellaneous improvements

Improvements:

- When importing the CsAdp container in project scope, only those data elements are imported which do have a customTag correlating to the customTag of the corresponding project.
- Bugfix: Take correct lower/upper limits (of OUTPUT container)

5 What's new in Version V6.1.R3?

Improvements and changes of DDS V6.1.R3 compared to V6.1.R2.

5.1 Minor Improvements / Correction of Bugs

5.1.1 ExpAscet: Miscellaneous improvements

Improvements:

- Bugfix related to ADD vs. ASCET difference functionality
- Bugfix: When a system constant has no SW datatype yet, it will now inherit the values from the SIM datatype

5.1.2 ExpSrc: Miscellaneous improvements

Improvements:

- Bugfix related special "xxx_Ptr" section (__CONTAINERNAME)

6 What's new in Version V6.1.R4?

Improvements and changes of DDS V6.1.R4 compared to V6.1.R3.

6.1 Minor Improvements / Correction of Bugs

6.1.1 ExpSrc: Miscellaneous improvements

Improvements:

- Bugfix related to special mappingScheme "...MultiDim" of multi-dimensional parameters: Incorrect extern declaration when used as INPUT in SW interface

7 What's new in Version V6.1.R5?

Improvements and changes of DDS V6.1.R5 compared to V6.1.R4.

7.1 Minor Improvements / Correction of Bugs

7.1.1 Import ADD: Miscellaneous improvements

Improvements:

- Support of CsAdp "snapshot"

7.1.2 Import ELF: Miscellaneous improvements

Improvements:

- Detection of alignment issues related to the new 55'er mappingScheme (modified in V6.1)

7.1.3 Import CVX: Miscellaneous improvements

Improvements:

- Bugfix related to VALBLK parameters

7.1.4 Export ASAP2: Miscellaneous improvements

Improvements:

- Correction of RECORD_LAYOUT generation related to aligned 55'er mappingScheme (modified in V6.1)

8 What's new in Version V6.1.R6?

Improvements and changes of DDS V6.1.R6 compared to V6.1.R5.

8.1 Minor Improvements / Correction of Bugs

8.1.1 Import ADD: Miscellaneous improvements

Improvements:

- Correction related to the value of the artificial created system constants of interface data contained in the CsAdp. When the same data object is used in different versions in the CsAdp, the corresponding system constant gets the correct value now

9 What's new in Version V6.1.R7?

Improvements and changes of DDS V6.1.R7 compared to V6.1.R6.

9.1 Minor Improvements / Correction of Bugs

9.1.1 ExpMDX: Miscellaneous improvements

Improvements:

- Support of logical bits (LONG-NAME, Limits)

9.1.2 ExpTL: Miscellaneous improvements

Improvements:

- Support of VALBLK setting for online and parameter arrays
- Support of "Project Export" (in trial version) making possible to set the correct module value for INPUT data objects

9.1.3 ExpAscet: Miscellaneous improvements

Improvements:

- Bugfix related to ADD vs. ASCET difference functionality

10 What's new in Version V6.1.R8?

Improvements and changes of DDS V6.1.R8 compared to V6.1.R7.

10.1 Minor Improvements / Correction of Bugs

10.1.1 ImpADD: Miscellaneous improvements

Improvements:

- Performance improvement by using new ADD Core
- Support of system constant values which are greater than SLONG
- Import of correct data object version when multiple used as OUTPUT in CsAdp

10.1.2 ImpELF: Miscellaneous improvements

Improvements:

- Improved handling related to message B5314 (implicit and explicit alignment)

10.1.3 ExpA2: Miscellaneous improvements

Improvements:

- Bugfix: VAL_BLK definition gets conversion of first array element
- Support of SERVICE_BASED_BYPASS protocol V2.0.0

10.1.4 ExpDDX: Miscellaneous improvements

Improvements:

- Support of 'float'-Defines

10.1.5 ExpMDX: Miscellaneous improvements

Improvements:

- Change at string conversion: TAB_VERB -> TEXTTABLE
- Change at TAB_INTP and TAB_NON_INTP: COMPU-INTERNAL-TO-PHYS -> COMPU-PHYS-TO-INTERNAL
- Support of 'float'-Defines

11 No longer supported filters/components

12 Questions?

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

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