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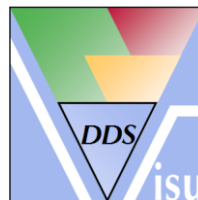
Data Declaration System

What's new in Version 7.2.R0?

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Contents

1   Purpose and scope

This document describes the improvements and changes of DDS V7.2.R0 compared to V7.1.R1.

2   What's new in Version V7.2.R0?

Improvements and changes of DDS V7.2.R0 compared to V7.1.R1.

2.1   New Features

2.1.1   Import ADD

1. Support of SW compositions defined in ADD
   a. Creation of FUNCTION tree in DDS
      Composition is the 'master' function, containers will get 'sub-functions'.
   b. Import of ADD composition via filter option "DDContainer" possible.

2. Support of new ADD V7.2 features:
   - enums
   - volatile flag
   - Record-Layout / mappingScheme
   - calibrationAccess (tuneable)
   - init values

2.1.2   Automatic migration of old DDX files

When opening a DDX file created with an older version of ADDS, the DDXLowLevel parser automatically converts this DDX file to the new DDX schema. The DDXLowLevel parser is used from many ADDS components, e.g. from ImpADD, ADDOffline, MatlabServices etc.

2.2   Minor Improvements / Correction of Bugs

2.2.1   Import ADD: Miscellaneous improvements

Improvements:
- Bugfix related to containers containing only INPUT (but no OUTPUT) data objects
- Bugfix related to bitfields when importing a complete project
  ➔ problem only occurred when the names of the imported container are partially identical
- Modified names of imported (linear- and string-)conversions

2.2.2   Import ELF: Miscellaneous improvements

Improvements:
- Support of parameter/online mappingSchemes with 'isValBlk' and 'multiplied=true'
  -> misleading error message B0201 no longer emitted
- Toleration of Tasking TriCore V3.x assembler modules

2.2.3   ExpSrc: Miscellaneous improvements

Improvements:
- Additional #define _DEF_FILE is now protected against redefinitions

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- Bugfix related to 'multiplied' maps

2.2.4 Export ASAP2: Miscellaneous improvements

Improvements:
- Support of 'systemConstants" in "calibrationSystemProtocol"
- New filter option "ExportSystemConstants". When active, system constants (cDefine) will be exported to the ASAP2 SYSTEM_CONSTANT definition.

2.2.5 Export ASAP2: Miscellaneous improvements

Improvements:
- Support of DDS entities which are now supported from ImpADD (enums, calibrationAccess, etc.)

2.2.6 Export to ASCET: Miscellaneous improvements

Improvements:
- Bugfix related to the creation of the implementation of process local variables (already contained in V7.1.R1)

2.2.7 Instruction Processor: Miscellaneous improvements

Improvements:
- Bugfix related to DDS variable $MappingScheme.InitValues$ in combination with 'multiplied' mappingSchemes

3 No longer supported filters/components

4 Questions?

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

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