What's New Presentation - DM 2023.1 & 2022.3

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1 Date

📅 27.03.2023

2 Topics

We picked out some of the new features which are interesting for general usage.

Key	Summary	What's new
DM-240	SWC and Variants in VDM	**VDM** ADD now supports the call of the VDM in case of Application SWCs. In this case, the selected Application SWC will be displayed in the VDM, taking into account the code variant configuration from ADD.
DM-265	Information about Oracle client	**About-Dialog** In the "*About*" dialogue of ADD, the path to the currently used Oracle (instant) client is now displayed. If the currently used Oracle client cannot be identified, a corresponding text will be displayed.
DM-266	Renaming Structtypes	**Structure types** It is now possible to clone structure types (including members). Then the cloned structure type can be saved under a new name. If the structure type that serves as the basis for the clone is not (or no longer) referenced, it can optionally be deleted (Clone-Delete functionality).
NameChecker		
DM-34	NameChecker - Catalogues as file refrence	**Name Checker** Via "include" paths in the VITNameChecker.config it is possible now to distribute the configuration over several files. The previous rules (unique catalogues, schema) continue to exist.
PACES-UI		
DM-257	Optimized excel export	**Export to excel** Generic export to excel by intuitive selection in the userinterface.
DM-208	Improved Check- and validation-results	**Checks** Improved usability for easier evaluating check results.
DM-209	Connected Error- and Editor-Plug-Ins	**Usability for errorhandling** Optimized possibilities for an easy trubleshooting of incorrect user input.
DDS		

DM-225	Ordered ImpADD	**ImpADD** Import DataObjects in a distinct order (provided by ADD) to simplify and break down dependencies, in order to provide a more determinitic processing and export file content with less relocations of object descriptions (which make it easier to compare fileformats like *.a2l).
DM-271	ImpA2 supports MAX_REFRESH	**ImpA2** The attribute "MAX_REFRESH" of CHARACTERISTICs or MEASUREMENTs is now imported from an *.a2l file. The respective entities for OnlineUpdate and TimePeriod are either reused if already exiting in the DDS DB or created during import otherwise.
DM-291	ExpA2: Layout attributes	**ExpA2** Record_Layout for Characteristics and Measurements can be overwritten by single options
DM-190	SourceSections mit Memory Section	**ImpADD** New Option "**Link2SourceSection**" substitutes the option "HandleAccessFrequency" with additional choices.
FunDoc		
DM-140	SWC Documentation and Aggregation	**SWC AC-Docu/Interface & Aggregation** Support of SWC Interface & Aggregation added; Model link for ASCET SWC single documentation added.

3 Details:

3.1 SWC and Variants in VDM

3.1.1 Purpose & Scope:

Now codevariants are evaluated at the VDM and Application-SWCs can be also opened in the VDM.

3.1.2 How to switch on:

It is autamically switched on, if the the features are used.

3.2 Information about Oracle client

3.2.1 Purpose & Scope:

It is displayed in the About dialog where the used instantcliend or Oracle client is located.

3.2.2 How to switch on:

Can be used without any further steps.

3.3 Renaming Structtypes

3.3.1 Purpose & Scope:

It is now possible to copy structtypes with Replace or Add.

ℹ️ Replace only works if the existing is not referenced

3.3.2 How to switch on:

Can be used without any further steps.

3.4 NameChecker

3.4.1 NameChecker - Catalogues as file refrence

Purpose & Scope:

In the standalone NameChecker and in the NameChecker inside the ADD-UI, it is possible to reference catalogues from other files.

How to switch on:

Can be used without any further steps.

3.5 PACES-UI

3.5.1 Optimized excel export

Purpose & Scope:

It is now possible to select each object which wants to get exported to excel. So for example for projects it is possible to export attributes as refrences, systemconstants etc.

How to switch on:

Can be used without any further steps.

3.5.2 Improved Check- and validation-results

Purpose & Scope:

The check results are now shown in a more intuitive overview and can details can get looked up in seperate single tabs. Furthermore there are possibilities to export the check results, check in contexts or check only single selected checks.

How to switch on:

Can be used without any further steps.

3.5.3 Connected Error- and Editor-Plug-Ins

Purpose & Scope:

Improved content of logmessages with further possibility to jump directly to the entries which are meant in the log and need to be corrected.

How to switch on:

Can be used without any further steps.

3.6 DDS

3.6.1 Ordered ImpADD

Purpose & Scope:

The import from ADD is now ordered, so the *grl files are more similiar after different imports.

How to switch on:

Not optional.

3.6.2 ImpA2 supports MAX_REFRESH

Purpose & Scope:

The attribute MAX_REFRESH in the *a2l file gets now imported to DDS, so it can get also exported again afterwards by the already known export options at the ExpA2.

How to switch on:

Not optional at the import. Only the ExpA2 has options how the MAX_REFRESH wants to be written.

3.6.3 Layout information

Purpose & Scope:

At the ExpA2 of DDS it is now possible to switch the layout of Characterisitics and Measurements seperatly and global for the whole *a2l without considering the settings in the projects. This makes it possible to switch for seperate tools which may interpret the multi-dimension arrays in different ways.

ℹ️ this options only make sense for multi-dimensional arrays.

Please be aware that the default layout at Measurements is ROW_DIR and won't be written in the *a2l.

How to switch on:

Filtersetting "LayoutDirection4Parameters" resp. "LayoutDirection4Onlines" at the ExpA2.

3.6.4 SourceSections mit Memory Section

Purpose & Scope:

New DDS-Script variable "$this.MemorySection.Name$" got defined to get the value of an associated memory section of an entity.

ℹ️ SourceSections for the connections must be provided manually within then Global.grl file.

How to switch on:

Filtersetting "Link2SourceSection" at the ImpADD.

3.7 FunDoc

3.7.1 SWC Documentation and Aggregation

Purpose & Scope:

Now it is possible to generate documentations of SWC with cross-refrences and all information inside of the SWC.

How to switch on:

Software Components (SWCs) are a custom specific feature. Please contact us, if you are interested in using it.