

Automated Function Documentation

What's new in Version 3.0.R3?

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1 Purpose and scope

This document describes the improvements and changes of FunDoc V3.x.x.

2 What's new in Version V3.0.R3

2.1 New Features

2.2 Minor Improvements / Correction of Bugs

2.2.1 Editor

- FunDoc does not handle technical terms correctly.
- FunDoc does not support project names starts with numeric characters.

2.2.2 Aggregator

- Pre selection of items via favorite settings in framework mode does not work.

3 What's new in Version V3.0.R2

3.1 New Features

3.2 Minor Improvements / Correction of Bugs

3.2.1 Editor

- Updating features failed in chapter mode.
- Naming convention for embedded axes of ADD 7.1. will be used in FunDoc.

4 What's new in Version V3.0.R1

4.1 New Features

4.1.1 Editor

- MiKTeX system is included into the FunDoc installation. It will be distributed as cabinet file. This cabinet file must be located at the FunDoc msi path. If the installation does not found the cabinet file you must change the FunDocConfig.xml to use your own TeX-System.

4.2 Minor Improvements / Correction of Bugs

4.2.1 Editor

- Cross reference list supports variant coding.
- Insert tables and figures before other elements failed, because ID generation does not work well.

- Adding existing features to the document failed.
- Changing graphic format does not work correctly.
- Calibration note was not written into the pdf file.
- x64 Support included. FunDoc runs on x64 systems in 32-bit mode, because ADD support 32-bit mode only.
- Devart components were not installed from the installation. Establishing ADD connection failed in this case.
- In case of updating an documentation project and saving the updated documentation, FunDoc will lost the hierarchy relationship.
- Inserting new features or existing features does not work well. FunDoc crashed, if the feature was already exists in the project, or FunDoc inserted the features at a wrong position.
- Greek symbol μ was not displayed in the documentation.
- Some whitespaces were not displayed in the generated pdf document.
- Set picture format to *.eps also for user images
- Skip *.ccx & *.fux files with leading sign tilde (~) during Aggregation
- Individual tab size added (FunDocConfig.xml: [Module: FunDocEditor] [ConfigEntry:TabSize]; Default: 4)

4.2.2 Documentation

- Database path will be updated in update mode.
- Hex limits and quantization are not written if labels are floats.
- Insert and update hierarchies failed in chapter mode.
- Visibility flag was not evaluated in all cases while generation TeX code.
- Hierarchy links were lost after update.
- List of formulas is implemented.
- Data constraints, compu methods and base type were not written into the tables.
- Hierarchy path will be written after the title of hierarchies in chapter mode.

4.2.3 Aggregator

- Error occurred in case of lib generation if ccx file contains more than one feature. In this case FunDoc tried to integrate the documents more than one time.

5 What's new in Version V3.0.R0

5.1 New Features

5.1.1 Editor

- FunDoc create
- Hyperlinks are available in the documentation mode via a new menu. The content of hyperlinks is shown with a new preview window in the documentation mode.
- Button for changing the figure format into eps for all graphics used is now available. The button could be enabled via FunDocConfig.xml
- New Features or features of an existing catalog can be added to loaded projects.
- Formulas are supported in the FunDoc editor via a new Formula dialog (A TeX system is needed for this feature). For each formula FunDoc creates a picture for displaying.
- FunDoc supports the integration of a custom image converter tool. It's now possible to insert eps graphics into FunDoc if the converter support the conversion of eps into png or gif format.
- New view is integrated into the FunDoc-Editor to select or deselect the items before PDF creation should be started. This visibility information can be saved via the save button into the FSX and CCX file. In your model environment you can define a <DocuDef>

statement with dependencies of used system constants values. FunDoc evaluates this dependency and selects or deselects this hierarchy automatically.

- Shooting pictures of the new VisualDataModler is possible. The pictures can be used in the documentation.

5.1.2 Documentation

- LongNames of list of figures, list of tables and appendix are changeable via the FunDConfig.xml file now.
- Exclude matlab subsystem can be controlled via the new file vitEvalSubSystem.m in the editor directory. You can add your own code here.

5.1.3 Docu process assistant

- With the new check box create all classes the documentation process assistant tells FunDoc to create all referenced classes of the selected module into own FSX files. It's also possible to select a subset of classes of the selected module via the model evaluator. Each class is represented as a red book in the editor tree.

5.1.4 Aggregator

- The path of features inside of the catalog could be modified in the aggregator. It's only possible to evaluate the path from the file system of the documentation source.
- Feature paths are changeable for multiple selected items.

5.2 Minor Improvements / Correction of Bugs

5.2.1 Editor

- FunDoc does not display logical bits in the variable table.
- Title page information were not read correctly from the FunDocConfig file in some cases.
- Caret position set failed when pasted text has been added to the end of document.
- Blanks were removed from the FSX file.
- Change graphic format is always activated if Fux file is loaded.
- FunDoc crashed, if hierarchies without hierarchy reference were deleted.
- Template files were reduced. The editor creates all information itself.
- Displaying the hierarchy paths of the model hierarchies in the TeX documentation.
- Enable and Disable the TeX-Button via the FunDocConfig.xml
- TeX code will be compiled three times because it's necessary for the indexing of the longtable package.
- The array notation is written after the label name. Via the FunDocConfig.xml you can decide if system constants should be resolved.
- Logical bits are now supported.

5.2.2 Documentation

- The update mode automatically deletes svg and pdf graphics if figures were updated.
- Nothing svg and pdf file will be integrated into the fux file.
- Ascet crashed if FunDoc opens a self-module. FunDoc checks the name of the corresponding hierarchy element. If this hierarchy element named 'self' FunDoc ignores this hierarchy element.
- Stateflow diagrams were created multiple as FSX content.
- PictureCreationDir entry was removed from the FunDocConfig.xml, because it is no longer supported in the Fux format.

- File tags of the catalog were be written wrong in some cases.
- The FunDoc – Aggregator takes the ShortName and the version of a selected project for as ShortName for the catalog.
- Labeling catalog works wrong in some cases.
- For standalone features cross–references are no longer created.
- Line breaks are inserted for each variable with length greater than 32 character.
- Printing all children of stateflows recursive (Matlab).
- Self instances inside Ascet models are now supported.

5.2.3 Docu process assistant

DPA crashed, if print all classes is selected but the module does not contains any class reference.

5.2.4 Aggregator

- Project description file was inserted at the wrong place in the catalog.
- FSXShortName was checked now. C conform short names are only allowed.
- Sorting added feature alphabetic. Detected classes were inserted in alphabetic order at the end of the catalog part.
- The Ablock LongNames of corresponding Features will set to the configuration settings of FunDoc.Config.xml.

5.3 Changes

5.3.1 Catalog

6 What's new in Version V2.3.R3

6.1 Minor Improvements / Correction of Bugs

6.1.1 Bugfix: Zoom

The editor displayed only a 10% zoom level, if select reader document after loading.

6.1.2 Bugfix: Removing whitespaces

The editor removed whitespaces between text with attributes such as bold or italic.

6.1.3 Bugfix: Write protected Fux files

The editor crashed if write protected Fux files are used in the library creation mode.

7 What's new in Version V2.3.R2

7.1 Minor Improvements / Correction of Bugs

7.1.1 Delete hierarchy items

The editor crashed, if hierarchies without model references will be deleted.

8 What's new in Version V2.3.R1

8.1 New Features

8.1.1 FunDoc Print System

FunDoc now displays label table and conversion tables in the print preview. The look of header and footer was changed. The logo in the footer section can be overwritten by changing the picture custom_logo_footer.png in the directory of FunDoc. In the header you will see the overall title only.

8.2 Minor Improvements / Correction of Bugs

8.2.1 Documentation Process Assistant

The confirmations in the process mode page are not longer required. The documentation process assistant only provides check boxes for enabling picture creation and picture differences.

8.2.2 Load packed CCX content

After packaging is finished, FunDoc provides an automated loading of the packed documentation.

8.2.3 Bugfix: Packaging on updated CCX content

FunDoc crashed after updating a loaded CCX content without saving, if package button was pressed. Now saving documentation is needed. After saving the packaging button is enabled.

9 What's new in Version V2.3.R0?

9.1 New Features

9.1.1 Data Variant Handling

FunDoc is now able to display the ADD 'Data Variant' list.

9.1.2 New FunDoc Project File Format

Default working file has been changed to FunDoc Project Exchange File (*.fux). Via export button it is possible to create either an archive file (*.fux) or a file bundle (*.ccx, *.mdx...).

9.1.3 Recent FunDoc Project List

Recent FunDoc projects could be loaded via 'Recent Project' – list.

9.1.4 FunDoc File Repository Changed

Temp-directory can be specified in order to use FunDoc Project Exchange Files (*.fux).

9.1.5 Multiple Instances

It's now possible to use multiple instances of the FunDoc-Editor.

9.2 Minor Improvements / Correction of Bugs

9.2.1 Prerequisite Repository Changed

Folder added for 'XI-Works' & 'DDS' components.

9.2.2 LIB Favorite List

Fcn. Library – Settings could be added to the FunDoc-Aggregator favorite list.

9.2.3 Bugfix: Duplicated MATLAB Folder Entries

If FunDoc has been started from within MATLAB, an invalid subsystem path had been generated.

9.2.4 Bugfix: Wrong PDF-File Name

PDF-file name has been improperly.

9.2.5 Bugfix: Delete Hierarchies in 'Chapter' Mode

Hierarchies could not be deleted in case 'Chapter' mode has been activated.

10 What's new in Version V2.2.R3?

10.1 New Features

10.1.1 Tables & Lists

Individual tables can be created; lists are also supported now.

10.1.2 Text Style

It is now possible to edit the text style! Supported features are: bold, italic, bold & italic. Furthermore text alignment can be changed (left, right, center, justify) within a table.

10.1.3 Hierarchy Pins

Hierarchy-Pin list has been added and will be shown up in the context menu!

10.1.4 ADD Offline Integration

FunDoc has now the opportunity to evaluate offline databases like DDX and MDX!

10.1.5 FSX & CCX Feature-Name Manipulation

It's possible to manipulate the display name of a feature within the FunDoc Editor as well as in the resulting PDF file via variables.

10.2 Minor Improvements / Correction of Bugs

10.2.1 Minor Improvement: Memories Zoom-Factor

FunDoc project table-pages will remember their zoom factor, as well as hierarchy-pages.

10.2.2 Minor Improvement: ADD Version in feature-name

ADD version of each feature in a FunDoc project will be displayed as additional information in its feature-name.

10.2.3 Minor Improvement: Empty ADD Container

Empty ADD Container will be supported.

10.2.4 Minor Improvement: Default Values for Doc-Layout

Default values for Doc-Layout (titlepage, detailed tables...) can now be set via FunDocConfig.xml.

10.2.5 Bugfix: Copy/Paste Pictures from PDF

Insertion of PDF graphics does not lead to an exception any more.

10.2.6 Bugfix: Shift+Return

Shortcut "Shift+Return" does not lead to an exception any more.

10.2.7 Bugfix: Move Deleted Hierarchies

Deleted Hierarchies cannot be moved any more.

10.2.8 Bugfix: Chapter Mode

Display mode 'Chapter' does not lead to an exception any more.

11 What's new in Version V2.2.R2?

11.1 New Features

11.2 Minor Improvements / Correction of Bugs

11.2.1 Project creation in batch mode

Tool ImpADD could not detect the name of the ADD project, because the FunDoc - Editor writes a project name wrong.

11.2.2 CDFX Merge (delete files)

The editor could not delete write protected CDFX files. Write protection will be removed if possible.

11.2.3 CDFX Merge (copy files)

The editor copy files which are included in the catalog even, if these files do not exist on the local drive. This may happen if the user has forgotten to check in the files. In this case the editor aborts the Lib generation and makes an entry into the Log file.

11.2.4 Scroll handling

Scroll handling has been improved in case of an extended page size.

12 What's new in Version V2.2.R1?

12.1 New Features

12.2 Minor Improvements / Correction of Bugs

12.2.1 DDS 5.7.R3 is not supported.

If FunDoc-Editor uses DDS5.7.R2 or DDS5.7.R3 the documentation is not possible, because the included ADDSSInterface.exe does not work with these versions. Now FunDoc-Editor supports only DDS Version DDS 5.7.R2 and DDS 5.7.R3.

12.2.2 BatchMode

Creation of PDF is now supported if write protected file were found. The Editor creates a PDF file if it's possible and will finish with return code 8.

13 What's new in Version V2.2.R0?

13.1 New Features

13.1.1 CCX Aggregator Favorite Handle

Project related settings could be saved and loaded via a user-friendly interface.

13.2 Minor Improvements / Correction of Bugs

13.2.1 CCX Aggregator Batch-Mode – Error Code/Log File Extension

In case of PDF generation via CCX Aggregator Batch Mode detailed return codes have been extended as well as the appropriate log file.

13.2.2 Insert Picture Extension

It's now possible add pictures from within FunDoc output path to a loaded FunDoc project.

14 What's new in Version V2.1.R0?

14.1 New Features

14.1.1 Additional Document Settings

The "Additional Document Settings" – area gives you the opportunity to define the final look of your document as well as the opportunity to declare Source Code Control (SCC) variables for further using.

14.1.2 Title page

A title page for each FunDoc project has been added. It's also possible to edit the title page individually.

14.1.3 CCX Aggregator

CCX Aggregator gives you the opportunity to assemble a bundle of FunDoc projects into one. At this a new project can be created either based on an existing ADD Project and its appropriate FunDoc projects or on a free selectable bundle of existing FunDoc projects.

The consolidation of FunDoc projects can also be achieved by a batch operation.

14.1.4 File Validation

The FunDoc project file bundle is now passing a scheme-validation (via dtd) on each start up. If necessary a repair function will be invoked.

14.1.5 SCC Output Path

A regular expression pattern can be declared and append to a selected output path by one mouse click.

14.1.6 Cross-Reference List

The cross reference list gives you an overview about linked labels within a FunDoc project.

14.1.7 Repository Converter

The FunDoc Repository Converter gives you the opportunity to convert FunDoc projects with antiqued depositories in a FunDoc Configurator – based repository.

14.1.8 Displace Hierarchies

It is possible to displace hierarchies inside their function section by moving them up or down.

14.2 Minor Improvements / Correction of Bugs

14.2.1 Minor Improvement: Document Settings

On FunDoc project creation it's now possible to set the state and version of your newly created project.

14.2.2 Bugfix: FunDoc Linker post install edit

Now the first time registration of DDS, ADDOffline and MathsWorks MATLAB could also be negotiated after FunDoc installation.

15 Questions?

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

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