



# ViSUIT!...



## Overview

Jan 2020

## What is FunDoc?

*Several input data sources*



*highly customizable documents*



### **Simulation Models**

Use several simulation and link them models together. Supports common modeling/simulation tools as Matlab or Ascet.



### **Offline Data Sources**

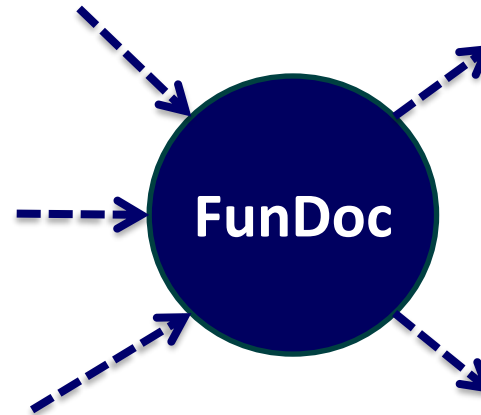
Use files as offline data source:

- **ASAM standard** (.mdx)
- **Data Dictionary Exchange** (.ddx)



### **Direct link to ADD**

Select your generated function of ADD and it will get documanted with only one click



### **ASAM Conform**

Standard formats to exchange with others in an easy way



### **PDF**

Highly customized so your company gets identified with your documentation

# FunDoc - Overview

## Documentation



- **easy** and **comfortable** way to create documentations for different purposes



### Functions

#### Composed Functions in

- Compositions
- Libraries
- Frameworks
- And more



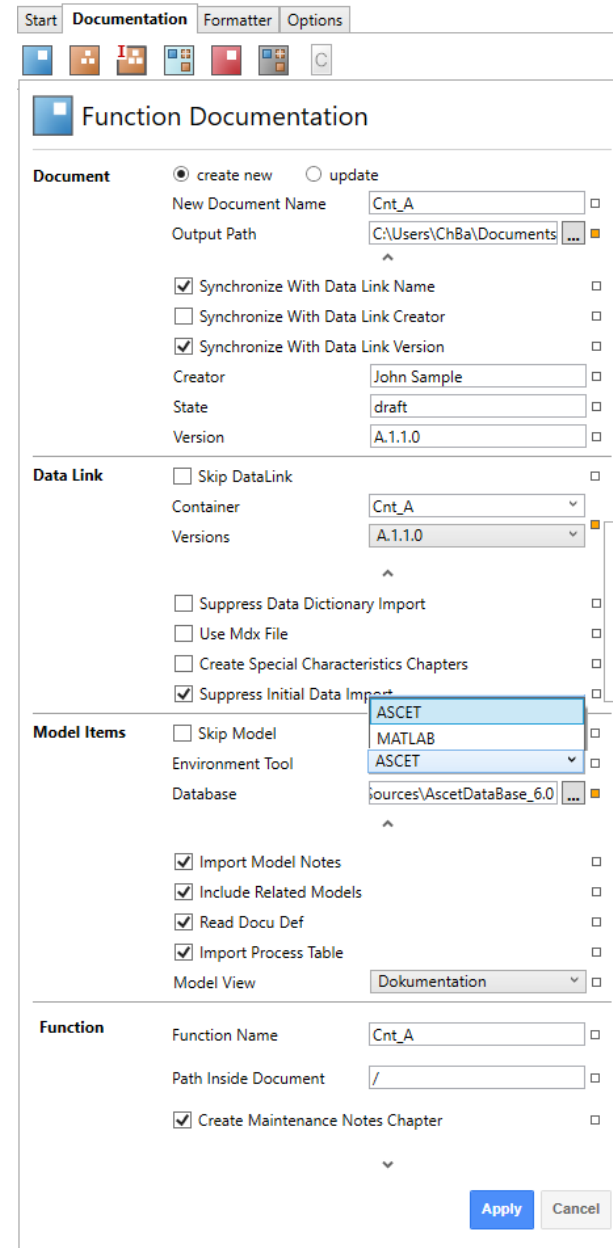
#### Based on Data Links to

- ADD
- MATLAB files (MLS output)
- MDX
- DDX
- Initial Data (DCM, CDFX)



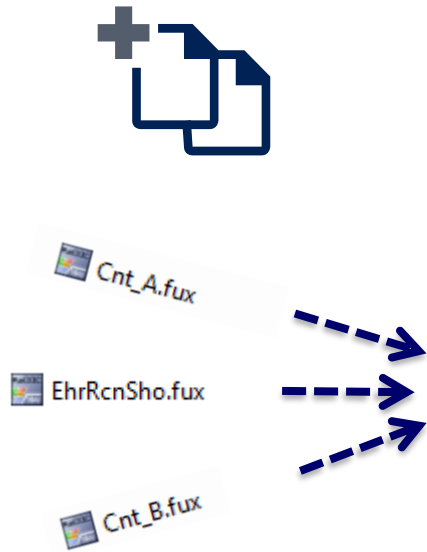
#### Linked Model Items

- ASCET
- MATLAB



# FunDoc - Overview

## Framework Aggregation



Framework Aggregation

**Document**  
New Document Name: Aggregation  
Output Path: C:\Users\FunDocOverview\...

**Source Paths**  
C:\Users\FunDocOverview\FuxFiles  
C:\Users\FunDocOverview\MoreFuxFiles

**Data Link**  
 Suppress Data Dictionary Import  
 Use Mdx File  
 Merge Offline Data Dictionaries  
 Suppress Initial Data Import  
 Use Initial Data

**Model Items**  
 Skip Model  
Database: [ ]  
Item Name: [ ]  
Item Path: /  
 Import Model Notes  
 Read Docu Def  
Model View: Show all

**Function**  
 Skip create function  
Function Name: Function  
 Create Definition Chapter  
 Create Description Chapter  
 Create Calibration Notes Chapter  
Path Inside Document: /  
 Create Maintenance Notes Chapter

Apply Cancel

*All necessary information united in one Document*



# FunDoc - Overview Editor



Edit your document with all possibilities

Variant coded pages

Imported Models

Images

Hyperlinks

Referenced functions

Formulas

TeX-Verbatim

Links to Pages

Tables

Lists

Condition: [Actr\_noFail\_bLimFct\_SC\_VW] != [Actr\_noFail\_bLimFct\_SC\_VW\_SC]

FIGURE: Main

Referenced Functions, Pages, Objects etc: [IdleCon](#)

Create TeX formulas:  $\sum_{i=0}^{\infty} a_i \leq \int_0^{\infty} f(x) dx$

Create text as verbatim:  
`\begin{enumerate}`  
`\item this is the \underline{first} item`  
`\item this is the second item`  
`\end{enumerate}`

Link to files [Attributes](#)

|             |                                     |
|-------------|-------------------------------------|
| air_low     | Applikationshinweise                |
| air_nominal | Architekturbeschreibung             |
|             | Beschreibung                        |
|             | Funktionsbeschreibung               |
|             | Funktionsdefinition                 |
|             | Funktionsinitialisierung            |
|             | Funktionsverhalten im Normalzustand |
|             | IdleCon                             |
|             | Kp                                  |

| Definition                  | Description                          |
|-----------------------------|--------------------------------------|
| <a href="#">air_nominal</a> | <a href="#">IdleCon</a> Luftnennwert |
| <a href="#">air_low</a>     | unterer Luftnennwert                 |

Create lists

1. [air\\_low](#)
2. [air\\_nominal](#)
- 3.

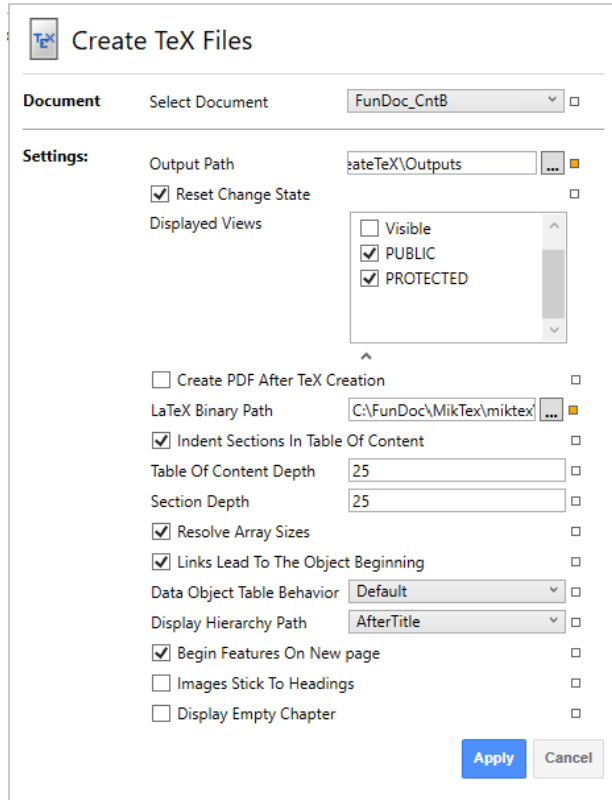
100.00%

# FunDoc - Overview

## Output



### Generate Pdf

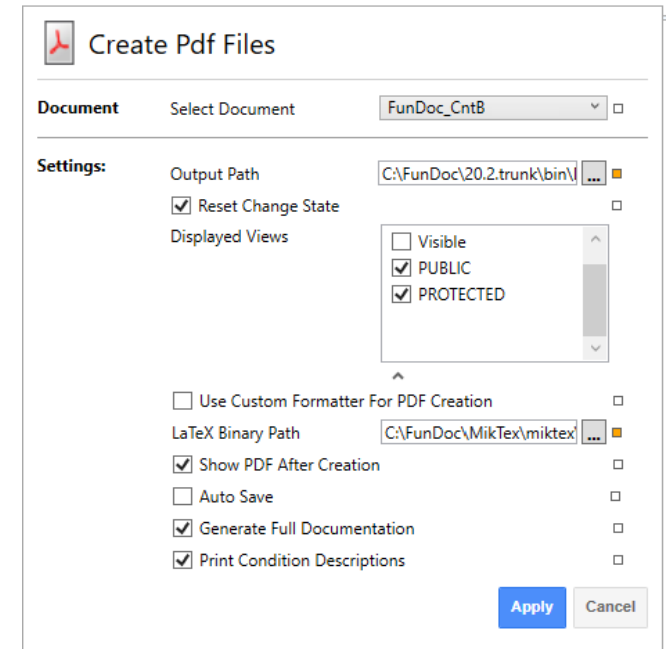


several settings

based on views

bind text on system  
constant conditions

possible to use  
custom formatters



TeX



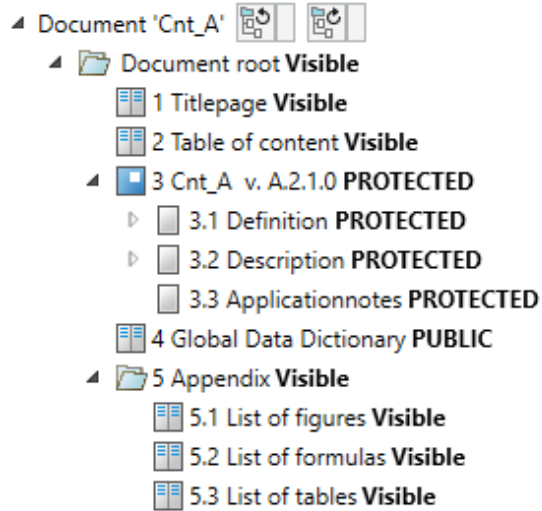
PDF

# FunDoc - Overview

## Customize



### FunDoc is highly customizable



- › Set your own values
- › Show and hide buttons for your specific use case
- › Preselect checkboxes
- › Set defaults

```
<!-- Pre initialize FunDoc with views -->
<ConfigEntry Name="AvailableViews" Value="Visible;PUBLIC;PROTECTED" />

<!-- Long name of the titlepage entry. -->
<ConfigEntry Name="TitelPageLongName" Value="Titlepage" />
<!-- Long name of the table of content entry. -->
<ConfigEntry Name="TableOfContentLongName" Value="Table of content" />
<!-- Long name of the appendix entry. -->
<ConfigEntry Name="AppendixLongName" Value="Appendix" />
<!-- Long name of the table of content entry. -->
<ConfigEntry Name="ListOfFigureLongName" Value="List of figures" />
<!-- Long name of the list of table entry. -->
<ConfigEntry Name="ListOfTablesLongName" Value="List of tables" />
<!-- Long name of the list of formulas entry. -->
<ConfigEntry Name="ListOfFormulasLongName" Value="List of formulas" />
<!-- Long name of the cross references-->
<ConfigEntry Name="CrossReferenceLongName" Value="CrossReferences" />
<!-- Long name of the function's definition -->
<ConfigEntry Name="DefinitionLongName" Value="Definition" />
<!-- Long name of the function's description -->
<ConfigEntry Name="DescriptionLongName" Value="Description" />
```



Generate your documentation with only one click

Or use the **command line** and **automize** your documentation mechanism

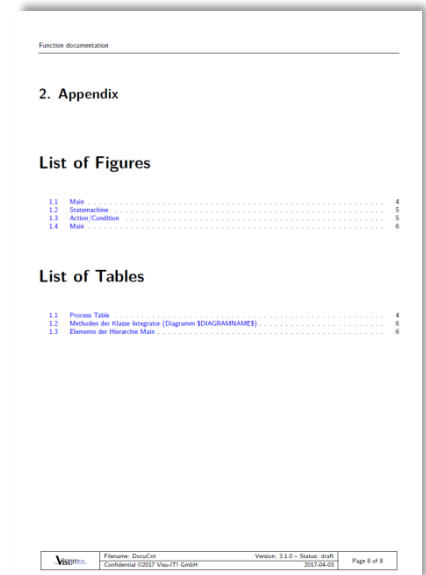
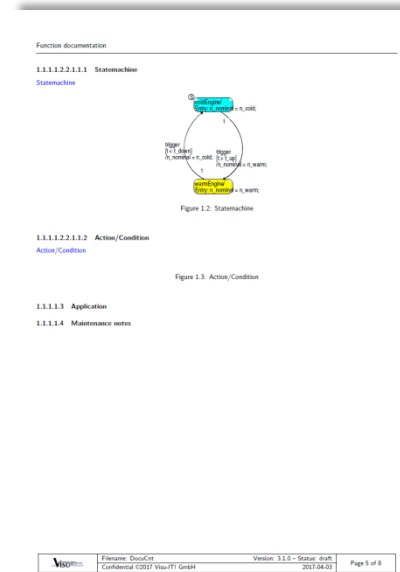
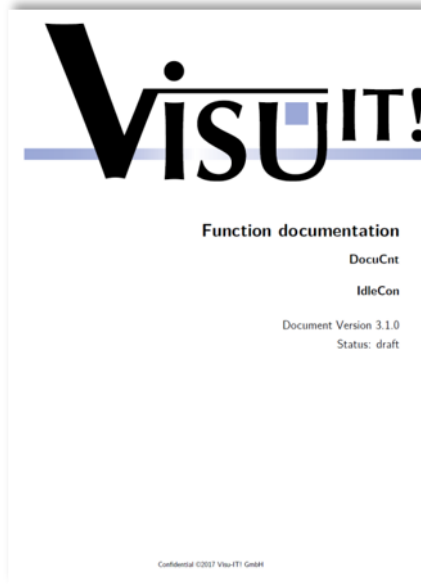
# FunDoc - Overview

## Benefits



### Benefits

- ✓ Easy to operate
  - ✓ Highly customizable
  - ✓ Document structure used based models
  - ✓ Aggregation of multiple functions/compositions
  - ✓ Usable via GUI or batch
- ✓ Regularly updated software
  - ✓ ASAM Conform
  - ✓ PDF output
  - ✓ Support of standard simulation Models






### Contact us to get further information


We are **experts** in creation of **customized solutions**

- ✓ Flexible Licensing
- ✓ Additional custom specific features
- ✓ Generic to get used for different toolchains


...we are looking forward to hear from you

#### Hotline

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