

Software Documentation

Version 2.20

User Guide

This document is generated automatically from our ReqTeam help center located at <u>https://documentation.reqteam.com</u>. The following content represents a comprehensive usage guide for ReqEdit application and features.

Our goal is to keep the presented information accurate. If there are any mismatches to your version of ReqEdit, please notify us. Thank you for your understanding.

Create document in REQEDIT

ReqEdit creates different types of requirement documents.

• New specification (.reqif)

You can create a new specification document withouth attachements.

• New specification with attachements (.reqifz)

You can create a new specification document with attachments, images, file attachments based on ReqIF format from default or template. This option is recommended to use, vs the simple reqif documents.

More about ReqIF formats read here.

ReqIF (.reqif)	ReqIF Archive (.reqifz)
No attachments	Can have attachments
CTRL+N	CTRL+SHIFT+N

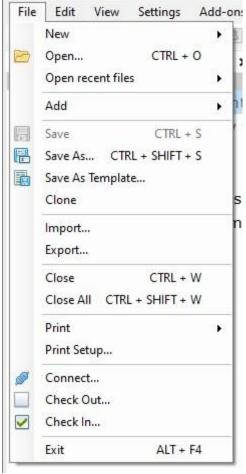
Create a new specification document

ReqEdit Client Premium			- 🗆 X
File Edit View Settings Add-ons Help			Views:
ReqEdit Dashb	oard		×
	New Specification You can create a new specification document without attachments.	Create a new specification with attachme Create a new specification with images or file attachments based on the ReqIF format from default or custom template.	nts
	Open specification Open a specification in ReqIF or ReqIFz file format and continue your work where you left off.	Import files Import specification documents from different fil types (R#11a, ReqIPs or Word documents).	e
?	Help document Get help and read more how to use ReqEdit functionalities.	About Get more info about ReqEdit this version.	
Show dashboa	rd at startup		
Cache size: 0 MB			d

Dashboard

Create a new specification document:

- Click on the wanted option on the Dashboard or
- Open File menu/New... and choose the option you want to use



File menu

New Archive

ReqIF Archive supports attaching external images or files to any requirement. Creating a new archive will show a window asking for a filename.

Choose default template from the Template selector pop-up window.

A new file template appears.

First use new.reqif/First use new.reqifz - ReqEdit Client Ultimate		- 0	×
File Edit View Settings Add-ons Help			
8 🗅 😁 🖬 🛃 🖉 🖸 🖉 🖉 🖉 🖉 🖉 🖉 🖉 🖉 🖉 🖉 🖉 🖉	🖉 🕶 📲 📳 🗃 🕽 🔮 😫 🔍 🛅 📰 🗐 Views: All attributes (System)	• • • • • •	
ReqEdit document - 2022-01 🗙			
A Main Column	Comment		2
<empty></empty>			
ew Template			

An overview of the user interface description, read here.

Adding new items

Now you can add rows, add columns (attributes) to your document.

To add rows click File/Edit/Insert new row ... or Insert new child row

To delete rows click File/Edit/Delete row

To add Column go to Settings/Document or use shortcut key F8

In the Document settings table use Attributes tab to add new or edit or delete columns.

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	1900	zuit									
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ocuments:	Rec	Edit document - 2022	2-01-21T13_44	4_20							~
Display as heading:				Display as de	escription:			Display as text:			
RegIF.ChapterName			~	No selection			~	RegIF.Text			~
ttribute Types Attrib	outes	Document Links									
Long Nam	e	Custom Type	Data Ty	pe	Last Change	Is editable		Description			
📑 ReqIF.Chap	ter	Text	XHTML		21.01.2022						
ReqIF.Name	e	Text	XHTML		21.01.2022						
🛃 ReqIF.Text		Text	XHTML		21.01.2022						
Comment		Text	XHTML		21.01.2022						
ReqEditID		Integer	INTEGER	2	21.01.2022						
ReqEditMo			DATE		21.01.2022			Default Value(s)			
ReqEditMo	difi	String	STRING		21.01.2022		_	Derault Value(s)			
RealF.Forei	gn	Boolean	BOOLEA	N	21.01.2022						_

Document settings

Document	ReqEdit document - 2022-01-21T13_44_20		Referenced Attribute Type IDENTIFIER: _a82b6eb-1405-
Attribute types	Boolean	~	9250-79e4c0a4604d LONG NAME: Boolean
LongName			LAST CHANGED: 21.01.2022 DESCRIPTION: TYPE: Boolean
Description			
Identifier:	Multivalued Read Only		
Default value	TRUE	~	
U			

Attribute editor

Note: You cannot edit a created attribute type after saving it.

More about attributes and attribute types read here.

Attachments

ReqIF Archive .reqifz files support having file attachments for objects.

Only XHTML attributes can have attachments inside .reqifz files

Image attachments: png, bmp, jpg, gif, ico, wmf,

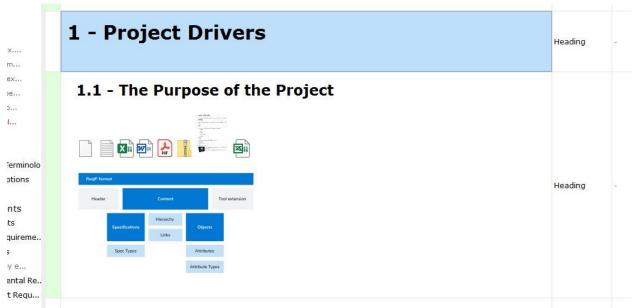
File attachments: any file type is supported: pdf, doc, docx, xls, xlsx ...

Inserting file attachments

To add an attachment simply right click the XHTML inline editor area and select **Insert image** or **Insert file**

ReqIF.ChapterName ReqIF.Name ReqIF.Text						
Volere is the result of many years of practice, consult analysis. We have packaged our experience in the fo		Insert image		uirements engineering and business tents process, requirements training,	^	
requirements consultancy, requirements audits, a va template. We also provide requirements specification		Insert file		ides and articles, and this requirements		
The first edition of the Volere Requirements Specific all over the world have saved time and money by usi communicating their requirements.		Insert table Insert Delete	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ased in 1995. Since then, organizations from basis for discovering, organizing, and		Info
The Volere web site www.volere.co.uk contains ar and case studies, requirements tools	B	Bold Italic		techniques, experiences of Volere users		
	U	Underline			v	
	5	Strikethrough				
	X²	Superscript				

ReqEdit displaying context menu, highlighted is the insert image and file menu item



ReqEdit displaying attachment previews of an object, contains file icons and preview images

About editing an opened specification file read here.

Opening existing files, read here.

Quick start guide

1. Download ReqEdit

Read how to download RegEdit trial and how to install and start it.

For the purchased product you get downloading and installing details by email from the sales department.

2. Install ReqEdit

First check the system requirements for the ReqEdit application.

Run the Portable-Installer from the directory, you downloaded it. The Portable-Installer guides you through the installing process.

For trial the activation happens automatically.

Read more on Install RegEdit.

3. Activate ReqEdit for purchased version

The License activator window appears. In the text box enter the Product key and press the Activate button.

Note: You need to have non-restricted Internet acces, or need to configure the proxy settings for it.

For overall view for activating methods, read here.

4. Run ReqEdit

For run use the desktop icon or start "reqedit.exe" directly from the installation directory.

5. Use cases

- Create document
- Open document
- Import IBM Rational DOORS© RIF Files
- Import MS Word to RegIF
- Import MS Excel to RegIF
- Print opened document

ReqIF requirements format

RIF/ReqIF (Requirements Interchange Format) is an XML file format suitable for lossless exchange of requirements in any industry. The old way of transmitting requirements were lossy like Office Documents, PDF or Spreadsheets, ReqIF offers solutions to keep the data integrity through the supply-chain.

It is used to exchange requirements, along with its associated metadata, between software tools from different vendors. ReqIF keeps the data integrity of requirements, attributes, additional files (e.g. images) through the supply-chain. ReqIF format also defines a workflow for transmitting the status of requirements between partners. Each object is uniquely identified by **GUID** (globally unique identifier inside a RIF / ReqIF file), ensures unique content across the data exchange processes.

The interchange standard

Main players of the automotive industry in Germany agreed to conform to the RIF/ReqIF joint standard, initially developed by HIS Group, ProSTEP iViP, now maintained by OMG. (Object Management Group)

History

In 2004, HIS (Herstellerinitiative Software) a consortium of German automotive manufacturers, defined a generic requirements interchange format called RIF.

The format was handed over in 2008 to <u>ProSTEP iViP e.V.</u> for further maintenance. A project group responsible for international standardization further developed the format and handed over a revised version to <u>Object Management Group</u> (OMG) as "Request for Comment" in 2010.

As the acronym RIF had an ambiguous meaning within the OMG, the new name ReqIF was introduced to separate it from the W3C's <u>Rule Interchange Format</u>.

In April 2011, the version 1.0.1 of ReqIF was adopted by OMG as a formal specification (OMG Document Number: formal/2011-04-02).

In October 2013, version 1.1 was published (OMG Document Number: formal/2013-10-01). Changes are restricted to the text of the standard, the XML schema and underlying model have not changed. Therefore, 1.1 and 1.0.1 .reqif files are equivalent.

In July 2016, version 1.2 was published (OMG Document Number: formal/2016-07-01). Like with the previous versions, changes are restricted to the text of the standard, the XML schema and underlying model have not changed. Therefore, 1.2, 1.1 and 1.0.1 .reqif files are equivalent.

Source: wikipedia.org

Naming conventions and structure of ReqIF files

The Prostep iViP published a guide how to exchange with ReqIF and an implementation guide for ReqIF, where you can find detailed information how to use this file format and also about the file structure, naming convention and interchange. To read about it, click on the link:

Prostep iViP - RegIF Recommendation

We recommend to read the <u>chapter 2</u>, to get an overview about the common use cases of ReqIF file exchange. <u>Chapter 3</u> describes the custom attributes used in ReqIF, and <u>chapter 4</u> specifies the workflow of the SRC process.

Prostep iViP - RegIF Implementation Guide

For more technical details please look at the Prostep <u>Implementation Guide</u>. We recommend to study the <u>chapter 2.1-2.3</u> for an overview.

Install ReqEdit

System Requirements

Microsoft Windows x64 .Net 4.7.2 runtime package MS EDGE browser or Chrome (for Compare Add-on HTML report)

Operating systems

OS Version	Tested configuration	Limitations
Windows 11 Pro x64	.Net 4.8 EDGE included	
Windows 10 Pro x64	.Net 4.8 / 21H EDGE installed by update	
Windows 8.1 x64 EOL 2023-01-10	.Net 4.8 EDGE manually installed	
Windows 7 Enterprise x64 EOL 2020-01-14	.Net 4.8 EDGE installed manually	
Windows Server 2022 Data Center x64	.Net 4.8 EDGE included	
Windows Server 2019 Data Center x64	.Net 4.8 IE11 included	on IE11 - HTML compare report, some features are missing
Windows Server 2016 Data Center x64	.Net 4.8 IE11 included	on IE11 - HTML compare report, some features are missing
Windows Server 2012 R2 x64 EOL 2023-10-10	.Net 4.8 IE10 included IE11 installed by update	on IE11 - HTML compare report, some features are missing

Windows compatibility of ReqEdit 2.17 (2021 Nov)

Installation

ReqEdit comes packaged into an installer that guides users through the install procedure. It will unpack the files into a custom user directory.

Run the Installer

ormation Please read the following important information before continuing.	
Prease read the following important mormation before continuing.	(
When you are ready to continue with Setup, click Next.	
ReqEdit Installer	^
For the license agreement please read	
[https://documentcloud.adobe.com/link/track?uri=urn:aaid:scds:US:8f17d00c-	
<u>cd02-4934-9ceb-25a821b5d90f]</u>	
Our documentation platform	
https://documentation.regteam.com/	
If you have trouble installing the software,	
submit a support ticket here [<u>https://support.reqteam.com/</u>]	
Thank you for using our product,	
REQTEAM GmbH	
Adams-Lohmann-Str. 56	~

Run the provided installer executable and go through the steps, default install path is the user profile folder in windows.

On the last step of the installer you can choose to activate the license. For that check the checkbox.



Window Start Activation Setup

Licensing Models

After installation follow your model of licensing. More about licensing read here.

Downgrade functionality for ReqEdit Premium

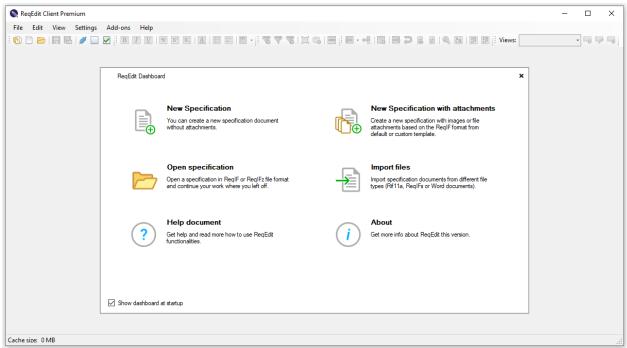
More information about downgrading functionality read here.

User Interface

Overview

The look and feel of the application is similar to any classic Windows application. It has a main menu at the top, function icon groups that can be rearranged, main content area and a status bar at the bottom.

At first run a quick action dashboard is shown.



ReqEdit start screen showing the dashboard

After opening a ReqIF file, the contents will be shown in the main user interface. If the ReqIF contains multiple specifications it will be displayed as color coded tabs.

Kaffeeautomat_2.reqif/Kaffeeautomat_Views_exported_in	nported.reqifz - ReqEdit Client Premium			- 🗆 ×
File Edit View Settings Add-ons Help				
🗄 🚯 🗋 📂 🖬 🛃 🖋 🛄 🗹 🗄 🗷 🔍 🕾	s 🛛 🗶 🖽 🗉 🛗 + 🕴 🐨 🐬 🦁 🎞 😘 🚍 ! 📾 - 📲 🔜	🛛 🗟 👩 🔩 🔚 🗮 🧮 Views: All attributes	- 🛶	A
User Requirements - Kaffeeau × Specifica	ation Document - Kaff 🗙 🕒 Use Cases - Kaffeeautomat_2 🗙			
1	Main Column	Comment	Objec ^	7
based on VolereRequirements Spec				Backup History
Volere is the result of many yea 1 - Project Drivers	based on Volere Requirements Specification Template Edition 15—March 2010		Info	Backup date: 27.07.2021 17:14:31
2 - Project Constraints				File name: Kaffeeautomat Views exported importe
3 - Functional Requirements	and the second			ID: a5f8d244-caf6-45aa-a493-5f1ca3afad31
# 4 - Non-functional Requirements	Volere is the result of many years of practice, consulting, and research in requirements engineering and business analysis. We			Backup date: 27.07.2021 17:14:30
B 5 - Project Issues	have packaged our experience in the form of a generic requirements process, requirements training, requirements			File name: Kaffeeautomat_Views_exported_importe
	consultancy, requirements audits, a variety of downloadable guides and articles, and this requirements template. We also			ID: a5f8d244-caf6-45aa-a493-5f1ca3afad31
	provide requirements specification-writing services.			
	The first edition of the Volere Requirements Specification Template		Info	
	was released in 1995. Since then, organizations from all over the world have saved time and money by using the template as the			
	basis for discovering, organizing, and communicating their requirements.			
	The Volere web site www.volere.co.uk contains articles about the Volere techniques, experiences of Volere users and case studies,			
	requirements tools			
	1 - Project Drivers			
			Head	
		Lorem ipsum dolor sit amet, consetetur		20000
	1.1 - The Purpose of the	sadipscing elitr, sed diam nonumy eirmod		Backup History
	Project	tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua.		
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ReqEdit showing a ReqIF file, from left to right: navigator panel, requirements and auto-backup panel

Specification tabs

Opening a ReqIF file will display all the specifications as tabs. Same color tabs are from a single ReqIF or ReqIF Archive file. The specification title is displayed as the tab title.



Keeping the mouse over a tab will display more info of the specification like: file location, document id, and so on.

Closing opened files

Close any tab by pressing the X of the tab or by pressing CTRL+W, if there are any unsaved changes a popup will ask to save the specification.

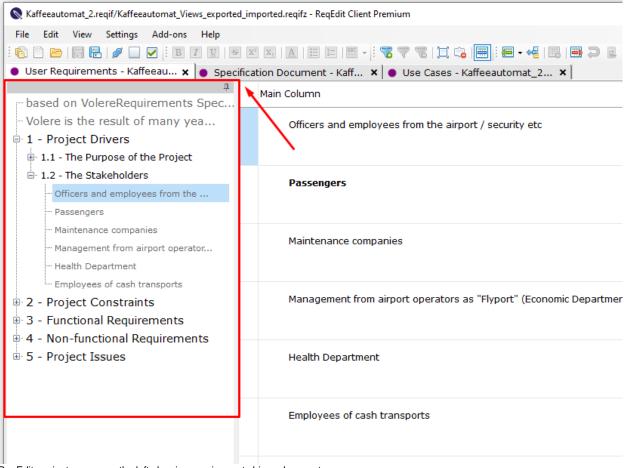
Closing all opened specifications of a ReqIF file by accessing **File > Close All** or by pressing CTRL+SHIFT+W, if there are any unsaved changes a popup will ask for confirmation.

Navigator

Specification headlines are shown as a tree menu on the left panel. Numbering is added automatically to aid navigation. Clicking on the items will jump to the same requirement in the content area.

Show / Hide Navigator

Navigator can be toggled by clicking the pin icon.

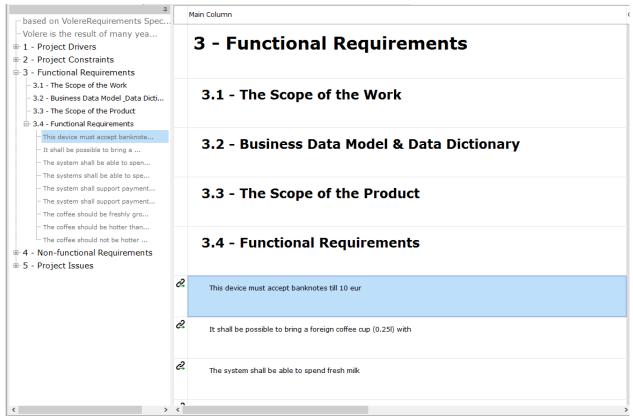


ReqEdit navigator pane on the left showing requirements hierarchy as a tree menu

Requirement Numbering

Requirements with (ReqIF.ChapterName) headlines are shown in a tree menu structure, numbered by the position in the hierarchy. The numbering is automatically updated on each change of the requirements, new additions or deletions will affect this.

The levels of the menu represents sub items in the spec hierarchy. This is visible in the content as sub numbering of a main headline, all the content remains on a single level in the table.



ReqEdit displaying a specification where the same requirement is selected in the navigator and the content area

Content

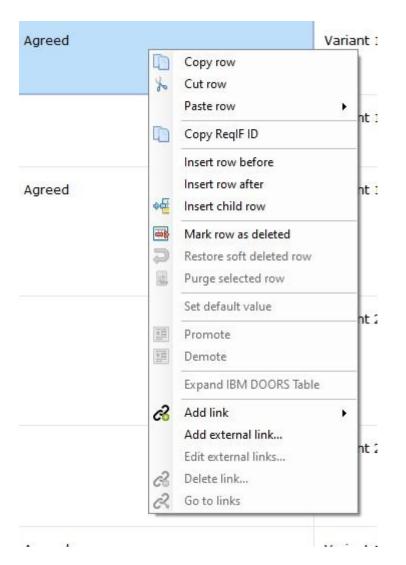
Requirements are shown in the middle as a table, where the **Main Column** is a multi content field and the other columns are the associated metadata.

The Object menu (Right-click)

Right clicking any object (row) in the content area, displays the context menu. Contains editing functions like: creating, cut-copy-pasting, deleting, restoring, purging objects. Hierarchical editing si possible by promote / demote menu items.

Manage relations between objects by the lower menu items: Add, Edit, Delete link or Go to link targets.

Get the object ReqIF ID using the Copy ReqIF ID menu item.



Main Column

Main Column is the most important content of the specification. It has the default value of the combination

of **headline** (ReqIF.ChapterName), **description** (ReqIF.Name), **xhtml content** (ReqIF.text). If all there attributes are present it will be displayed together in the same cell and the headline will have a number assigned to it.

The Main column content can be customized in the Document Settings panel

Volere Requirements Specification Template Edition 15—March 2010 Volere is the result of many years of practice, consulting, and research in requirements engineering and business analysis. Ne have packaged our experience in the form of a generic requirements process, requirements training, requirements consultancy, requirements audits, a variety of downloadable guides and articles, and this requirements template. We also	Info	
Ne have packaged our experience in the form of a generic requirements process, requirements training, requirements consultancy, requirements audits, a variety of downloadable guides and articles, and this requirements template. We also		
provide requirements specification-writing services. The first edition of the Volere Requirements Specification Template was released in 1995. Since then, organizations from all over the world have saved time and money by using the template as the basis for discovering, organizing, and communicating their requirements. The Volere web site www.volere.co.uk contains articles about the Volere techniques, experiences of Volere users and case	Info	
1 - Project Drivers	Heading	
1.1 - The Purpose of the Project		
	Heading	

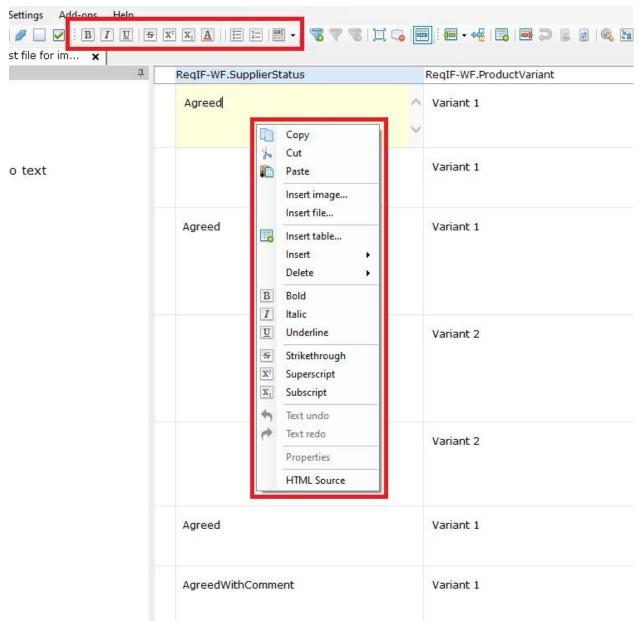
Resizing columns or rows

Drag the column header separator bars or the row separator bars to resize the grid.

Content editing

Double clicking on any object will enable the inline editor and activate the text formatting icon group. Right clicking the content will show a menu for adding attachments or tables and formatting the content.

To leave the inline editing click anywhere outside the yellow background.



ReqEdit text content editor, icon group and right click menu

Managing columns

Right clicking the column headers will display a menu, where the selected column or the other columns can be toggled visible or hidden.

If all the columns are hidden the View manager can reset the visibility back to a predefined state.

Ma	ain Column	18	Sort Ascending		Comment
		15	Sort Descending		
	3.3 - The Scope of the Product		Hide Mass update		
			Columns	•	ID
	3.4 - Functional Requirements			* * *	Main Column Comment ObjectType Requirement Type
	Analysis of MVP and other factors of project			9	Rationale Fit Criterion
1	This device must accept banknotes till 10 eur			Ľ	ReqIF.ForeignDeleted
2	It shall be possible to bring a foreign coffee cup (0.25l) with				
2	The system shall be able to spend fresh milk				

ReqEdit colum management by right clicking the column header row

Views

Views are visible column sets with optional custom sorting and filtering saved as presets. The view manager is located in the icon groups on the right side. The views are only for displaying the ReqIF contents in a more human friendly manner for large files with lots of metadata.

The view presets are not stored in a ReqIF file, they can be exported and later imported from the local hard drive.

1	View edit		• 🥖 🗐 🖬	O ID IB		- 🗆 X	Views: All attrib	utes (System) 🔹 🤜 🖼
qui	Attribute Name	Width	Sorting	Visible	Attribute ID	Object Type	-	
on •		100	None		SpecObjectID		112	
is		818	None		MainColumn			Backup History
oje	Comment	300	None		_d418826-4cc8-4ddb-af44-5d4918	1		Backup date: 03.08.2021 11:56:05
je	ObjectType	100	None		_76a0235-a9fd-4d9c-8e2b-54965			File name: Kaffeeautomat_Vews.regfz
	Requirement Type	130	None		_c15f2f9-1319-4f8c-ba89-d75ad2c			ID: a5#8d244-caf6-45aa-a493-5#1ca3afad
nct	Rationale	300	None		_d3b6ed2-97ea-4133-ae35-41914			
n-f	Fit Criterion	300	None		_24ea755-695a-476d-a23a-27eba			Backup date: 03.08.2021 11:46:05
ojec	RegIF.ForeignDeleted	151	None		_7847cea-1bcb-46c4-bc71-c25ec7			File name: Kaffeeautomat_Views.regfz ID: a5/8d244-caf6-45aa-a493-5f1ca3afad
								Backup date: 03.08.2021 11:36:05 File name: Kaffeeautomat_Views.reqfz
		~	dd column	Bemove coli	m 🔺 lp 👻 Dow	η		File name: Kaffeeautomat_Views.regfz ID: a598d244-caf6-45aa-a493-571ca3afad Backup date: 03.08.2021 11:26:03 File name: Kaffeeautomat_Views.regfz
	Show deleted objects	× A	dd column	Bamove coli			_	File name: Kaffeeautomat_Wews.regfz ID: a9/60244-caf6-45as-a493-97 ica3afad Backup date: 03.08.2021 11:26.03 File name: Kaffeeautomat_Wews.regfz ID: a9/80244-caf6-45as-a493-97 ica3afad
200	Show deleted objects	~	dd column	Remove coll	mn <u>A Up</u> Pow Copy filter from editor Reset fil			File name: Kalfeeautomat_Views.reqfz ID: a5/8d244-caf6-45as-a493-5f1ca3dfad Backup date: 03.08.2021 11:26-00 File name: Kalfeeautomat_Views.reqfz ID: a5/8d244-caf6-45as-a493-5f1ca3dfad Backup date: 03.08.2021 11:16-00
200		× A	dd column	Barnove cell				File name: Kaffeeautomat_Views.req12 ID: a5780244-caf6-45aa-a493-571ca3afad Backup date: 03.08.2021 11:26:02 File name: Kaffeeautomat_Views.req12 ID: a5780244-caf6-45aa-a493-571ca3afad Backup date: 03.08.2021 11:16:00 File name: Kaffeeautomat_Views.req12 ID: a5780244-caf6-45aa-a493-571ca3afad
200		× 1	dd column	Remove cell			-	File name: Kaffeeautomat_Views.reqf2 ID: off8d244-caf645asa433.9f1ca3afad Backup date: 03.08.2021 11:26:02 File name: Kaffeeautomat_Views.reqf2 ID: off8d244-caf645asa433.9f1ca3afad Backup date: 03.08.2021 11:16:02 File name: Kaffeeautomat_Views.reqf2

ReqEdit displaying the view manager popup window

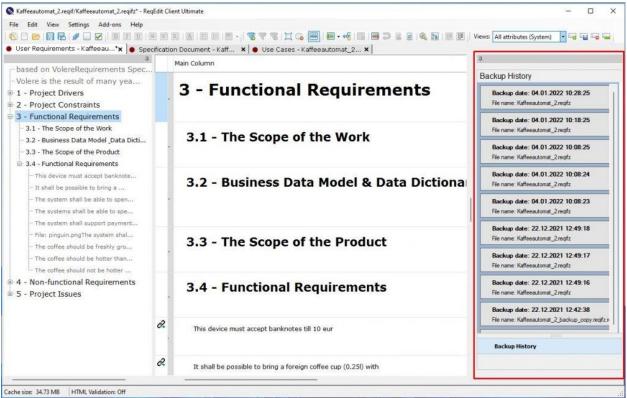
Backups

ReqEdit offers an auto-backup feature which will create a snapshot of the current state of the opened files. Default setting is to create a backup every 10 minutes and rotating 10 backup files (the last will be deleted to have a max of 10 backups).

The backup settings can be changed in the User Settings panel

Show / Hide Backups

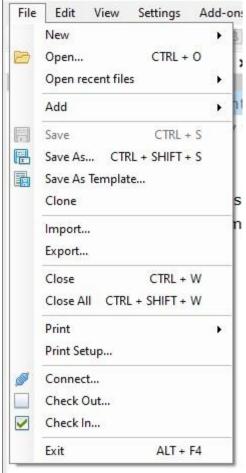
Backups can be toggled by clicking the pin icon in the title of the panel



ReqEdit displaying a ReqIF file, highlighted is the auto-backup panel

Menus

File



ReqEdit File menu

New

Create a new ReqIF file **.reqif** (New File) or an archive with attachments as **.reqifz**. (New Archive)

ReqIF Archive supports attaching external images or files to any requirement. Creating a new archive will show a window asking for a filename.

ReqIF (.reqif)

No attachments

CTRL+N

ReqIF Archive (.reqifz)

Can have attachments

CTRL+SHIFT+N

A template list will popup will ask for a specific template to use for the new file. For more information on templates, please read the **Templates** section.

🔇 Template selector	×
Please select template:	
Name	Туре
Default template	Simple
prostep ivip - All attributes	Simple
prostep ivip - simple	Simple
prostep ivip - with Product variant	Simple
prostep ivip - with Revision	Simple
Scrum - Backlog	Simple
Scrum - Buglist	Simple
Scrum - Test	Simple
	Open Cancel

Template selector window

Open

By default, only xml, rif, reqif, zip, reqifz and ReqEdit encrypted files can be selected

File name:	RIF, ReqIF, Zip or ReqIFz files (*.rif, *.reqif, *.xml, *.reqifz, *.zip, *.reqenc, *.reqzip)
L.	RIF, ReqIF, Zip or ReqIFz files (*.rif, *.reqif, *.xml, *.reqifz, *.zip, *.reqenc, *.reqzip) ReqIF files (*.reqif, *.xml) RIF files (*.rif, *.xml, *.zip)
	Archive RegIF files (*.regifz, *.zip)
	ReqEdit Encrypted File (*.reqenc, *.reqzip)
	All files (*.*)

Supported file types by ReqEdit

Add new document to current file

Adds a new specification document to the currently active ReqIF file. Use this to add more than one specification to a single file.

Save

Any change in the specifications will be displayed with asterisk * in the tab.

Changes to linked documents (e.g. Images or Word, Excel) will not be detected by the editor, a change needs to be made in the requirements in order to be able to Save

Save

Save the currently active file to disk

CTRL+S

Save As

Save the active file under a new name

Keep all UUIDs

CTRL+SHIFT+S

Save As for saving encrypted file

To encrypt a file choose **ReqEdit Encrypted File (*reqenc, *.reqzip)** as file type then click SAVE.

File name:	Test document Specifications_imported.reqenc		Y
Save as type:	ReqEdit Encrypted File (*.reqenc, *.reqzip)		~
	Archive RegIF files (*.regifz, *.zip)		
	ReqEdit Encrypted File (*.reqenc, *.reqzip)		11. AND
 Hide Folders 		Jave	Cancer

More about encryption of a file read here: ReqEdit File Encryption/Decryption

Save as template

Single document ReqIF files can be saved as a template and reused later

Close

Opened specifications can be hidden by clicking the X in the tab bar, if there are unsaved changes a popup will ask for confirmation. This is not removing the specification from the file.

Close All

Close all opened specifications, any unsaved change will notify the user. It will close all opened files.

Import

Start an import wizard for Reqlf 1.0.1 files

Export

Start an <u>export</u> wizard from **ReqIF 1.0.1** to **ReqIF compatibility mode** or **RIF 1.1 / RIF 1.1a** arhive format.

Print

Print the current specification Main Column or all visible columns.

Connect

Requires ReqEdit file server

Will authenticate the current user and create a connection

Check out

Requires ReqEdit file server

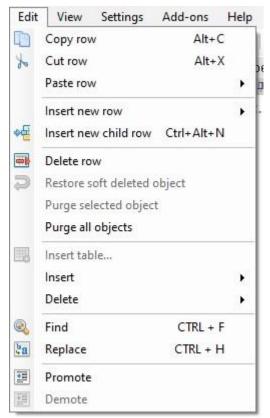
Lock the file and download for editing (other users that have permission to the same file cannot download it)

Check in

Requires ReqEdit file server

Upload a file to the server. If the file was previously locked by the user it will become unlocked and can be edited by others as well.

Edit



ReqEdit Edit menu

Editing objects and contents

Object / Requirement level editing

Create before, after

Create child

Promote, demote

Delete (soft delete)

Restore deleted (soft deleted)

Purge (hard delete)

Cut/Copy/Paste

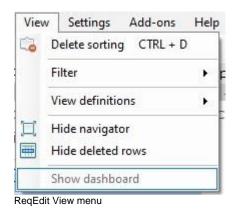
Content level editing

Table editing

Find

Replace

View



Attributes (columns) related

Filtering

ReqEdit can show a sub-set of the requirements based on special conditions of the attributes. Filters can be set and reset. **Filters will not be saved inside ReqIF files.**

Sorting

ReqEdit can sort the requirements based on multiple columns. It can be configured and then reset. **The sorting is not saved inside the ReqIF file.**

Show/Hide deleted requirement objects

Soft deleted objects will be marked for deletion but are not removed from a specification until PURGE is not pressed. The deleted objects can be shown or hidden

View definitions (views)

Views are a sub-set of the attributes that are displayed. The views are not saved inside the ReqIF. file Views can be exported and later imported.

The views can be imported and used on any specification as long as there are attributes with similar names.

Settings

	Settings	Add-ons	Help
	Doci	ument F	8
e Serv		er	
ĺ	User		[

Expert users can fine tune ReqEdit for their specific use case, and configure lots of ReqIF settings

Document settings

Manage ReqIF file internal settings

Attribute Types

Attributes

Document attributes

Links

Configure Main Column display settings

Server settings

ReqEdit file server connection settings

Server user credentials

User settings

ReqEdit internal configuration

Interface language

Auto backup settings

Doors table display settings

Cache size

Dashboard startup

Add-ons

Add-ons ReqEo	Help
	dit License Detach
ReqE	dit XML editor F6
Excel	Add On
Com	pare/Merge Tool
Direc	t compare
Weak	Word Analysis

ReqEdit Add-ons menu

Displays all available add-ons which are active in the current license. Descriptions below.

Help

Hel	p	
	Help contents	F1
	License info	F2
	ShortCuts	F9
	Check for update	F3
	About ReqEdit	

Contains a user guide. Can display Information about the active license. Display keyboard shortcuts. Check for online updates. Display version information about the current ReqEdit release.

Add-ons

ReqEdit Ultimate comes with powerful addons that extends the base functionality.

Xml Editor

Look inside ReqIF files and check the xml code. The editor comes with a built in ReqIF validation function that will debug any invalid code. Read more <u>here.</u>

Excel importer

Turn your excel files into ReqIF files. Data exchange is more realiable and lossless if ReqIF is used. Read more <u>here.</u>

Compare / Merge tool

Will generate a comparison report that can be handed out as a signle html file. Read more <u>here.</u>

Weak-word Analysis

Weak words are words that are confusing for readers and should be avoided if possible. This tool provides a case insensitive whole word search for this purpose, optionally writing the results back in the ReqIF file. Read more <u>here.</u>

License Detach tool

Take ReqEdit out of the licensing environment. This power feature will enable users not to depend on the local licensing servers and to be able to work from anywhere. Read more <u>here</u>.

Expert knowledge

Tab title configuration

ReqEdit exposes some settings that can be configured for the tabs. The configuration file is located in AppData\Local\REQTEAM\ReqEdit\ReqEdit\Settings.xml

Setting	Values	Notes
TabDocumentTextAlign	Left, Right	Alignment of document title in the tab
TabDocumentWidth	250px	width of the tabs in pixels

Keyboard shortcuts

Ctrl+O	Open file
Ctrl+N	New file
Ctrl+S	Save file
Ctrl+Shift+S	Save as
Ctrl+W	Close file
Ctrl+Shift+W	Close all file
Alt+F4	Close application
Ctrl+D	Delete Sorting
Ctrl+F	Find text
Ctrl+H	Replace text
Ctrl+E	Add new or edit filter
Ctrl+A	Deactivate filter
Ctrl+Q	Delete filter
Alt+N	Add new object below

Add new child object
Switch between open tabs
Copy text information inside the cell
Cut text information inside the cell
Paste text (remove all formatings)
Start link
End link
Reset start link
Reset start link
Open help
Open selected cell in edit mode
Check for update
License information
XML Editor
Document settings
Shortcut window

Open ReqIF requirement files

ReqEdit is used to display contents of ReqIF requirement exchange files including attachments and images in ReqIF Archive files.

These are the key features:

- ReqIF requirement objects
- hierarchy structure
- Internal UUIDS
- attribute types
- specification attributes
- object attributes and relations

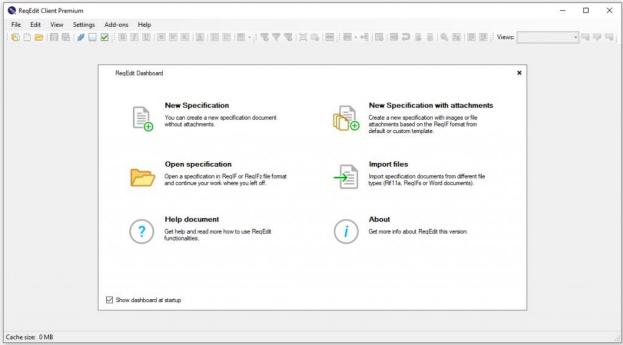
For experienced users the **XML Editor add-on** can display the source code of the ReqIF file.

Supported RIF/ReqIF file extensions: RIF contents (.xml .rif .zip) or ReqIF content (.reqif .reqifz)

You can open decrypted *.reqedit files too, if you know the password. More about encryption / decryption read <u>here</u>.

More about RIF and ReqIF files read here.

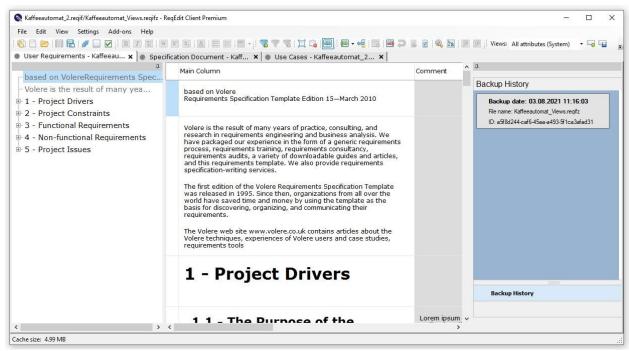
Open file



Dashboard for ReqEdit

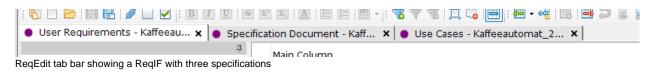
To open a file

- click on the Open Specification on the Dashboard or
- select File > Open on the main menu or
- press CTRL+O and then select the ReqIF file.



ReqEdit displaying an opened ReqIF file

All containing specification documents are displayed as tabs in the tab bar.



Compatible ReqIF files

If the file is not a standard ReqIF file but ReqEdit can import it, a popup notifies the user. Import wizard starts and completes the steps to open file.

Questio	in X	
This file was not edited in ReqEdit! Please, import the file before you open it! Do you want to import the file?		
	Yes No	

ReqEdit found an invalid ReqIF but asks the user for importing the file

Multi ReqIF Archives

If the opened document contains multiple ReqIF files (is an archive format .reqifz or .zip) a popup notification allows the user to select the files to open.

9	S Document selector				
P	lease :	select which files you want to open from the ZIP file:			
		File name			
		Functional Requirements.reqif			
		Legal Requirements.reqif			
		OK Cancel			

ReqEdit showing document selector for .zip or .reqifz files (containing two or more ReqIF files)

In case of any ReqIF errors, ReqEdit identifies the errors. Use **XML Editor Add-o**n to correct.

E	rror			×
	\bigotimes	An error occurred	while opening the target file!	
	🔺 Hide	details		
	ot mate	h the end tag of 'xh	tml:p'. Line 99, position 705.	\sim
	<		>	Ť
	Cop	by to clipboard		
			ОК	

Error message shows ReqEdit detected an invalid ReqIF source code

ReqIF file format

ReqEdit follows ReqIF standard on all levels. It will display contents of ReqIF files from structural to attribute definitions.

RegIF format

Attribute Types

atomic data types: boolean, date, enumeration, int, float, string, xhtml

Attributes

uses the basic attribute type definitions with optional restrictions: min, max, length, can be defined for objects and specifications also

Object types

collection of attribute types that are grouped together

Objects

uses a specific object type and has values for each attribute

Values

value objects for attributes of objects or specifications

Specification Types

a collection of object types and specification attributes

Specifications

uses a single specification type

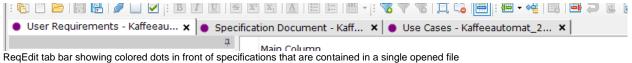
Hierarchy

requirement object structure inside a specification

Relations links between the objects

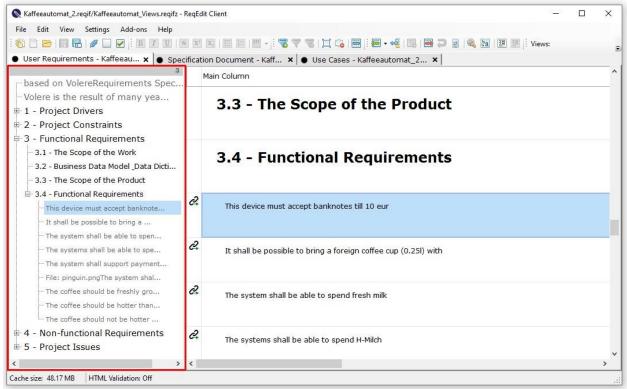
Documents

RegIF requirements are grouped into specification documents, these are displayed in the tab bar. Each opened RegIF file will have its own random color to indicate that the files are together.



Hierarchy

Each specification document has its own object structure which is shown in the navigator tab.



ReqEdit displaying an opened ReqIF file, navigator on the left side is highlighted

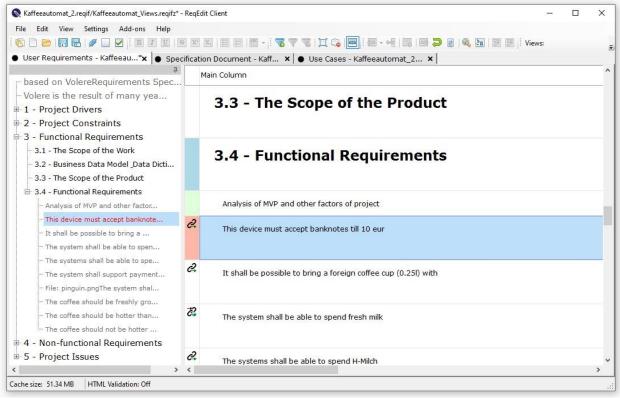
The navigator can be used to quickly jump to a specific section in the specification document.

Numbering

Automatically generated for each ReqIF.ChapterName which are used as headlines. Depth is determined by child objects.

Objects

Each row in the main content area is an object that has a Main Content and additional attributes. Objects are displayed as follows



ReqEdit displaying different types of requirement object states from top to bottom: not changed (white), edited and saved (blue), new not saved (green), deleted (red), with links (link icon, in, out, external)

Status indicator

First column of the grid is a **frozen column**, which means that the user will always see the column, even if the document will be scrolled horizontally.

Displays the following states:

- unchanged marked with white color
- edited marked with light green
- edited and saved marked with light blue
- links marked with link icon
 - internal links
 - o external links
 - URI / OSLC
 - Inward / Outward
- red soft deleted (can be recovered)

More about Editing objects you can read here.

Attachments

	1 - Project Drivers	Heading
	1.1 - The Purpose of the Project	
olo		
	, RadjiF format	Heading
	Header Content Tool extension	Treating
	Henarchy Specifications Objects	
ne	Links	
	Spec Types Attributes	
	Attribute Types	
Re		
u		

ReqEdit displaying attachment previews of an object, file icons and preview images

Double-click on the icon. The attached file will be opened by the installed applications on the machine.

Attributes

Object attributes are displayed as columns inside the data grid. The default column layout starts with Main Column then the rest of the object attributes defined in the specification.

By default all attributes are displayed in the specification as texts

Main Column

Displays the the main ReqIF attributes: ReqIF.ChapterName, ReqIF.Name, ReqIF.Text as a single cell where

ReqIF.ChapterName - is displayed as Headline and will be auto numbered, displayed in the navigator

ReqIF.Name - displayed in the content area as text

ReqIF.Text - displayed in the content area as text

The main column rendering can be customized in the Settings > Document menu

Attribute columns

All columns can be set hidden / visible by right clicking on the column name row.

Ma	ain Column	18	Sort Ascending		C	Comment
		18	Sort Descending	1		
	3.3 - The Scope of the Product		Hide Mass update			
			Columns	•		ID
	3.4 - Functional Requirements					Main Column Comment ObjectType Requirement Type Rationale Fit Criterion
	Analysis of MVP and other factors of project				<i>~</i>	
	This device must accept banknotes till 10 eur					ReqIF.ForeignDeleted
1	It shall be possible to bring a foreign coffee cup (0.25l) with					
2	The system shall be able to spend fresh milk					

ReqEdit column management menu displayed by right clicking anywhere on column names

Attributes used in the current specification document can be displayed by opening Setting > Document and selecting the Attributes tab.

Related topics:

- Filtering and sorting
- <u>Views</u>

Edit ReqIF requirement files

https://youtu.be/La-70CBGDno ReqEdit presentation video

Why ReqIF files?

Requirement Interchange Format is the de facto standard for lossless requirement data exchange for any industry.

ReqIF simplifies the workflow of requirements exchange between suppliers and vendors in all industries. Mainly driven by the automotive industry.

ReqEdit was built from the ground up to aid the participants of the supply-chain to quickly use ReqIF files without the need for complex ALM/PLM software solutions. This is becoming more important with the digital transformation in more and more industries.

ReqIF based interchange offers seamless integration of supply chains in all industries making collaboration more standardized and efficient.

ReqEdit is an easy tool for ReqIF editing. Creating, comparing and merging requirements and specification documents with powerfull add-ons.

Large companies rely on lossless data exchange

ReqIF format simplifies and streamlines the data exchange of requirements between companies or departments and also on the management level. ReqEdit has multiple licensing models to support corporate environments and use cases.

Medium or small size companies needs cost effective solutions to participate in the supply-chain

ReqEdit is available as a standalone application. No other dependency is required. Cost effective solution for processing ReqIF requirement files.

ReqIF file structure

ReqEdit follows ReqIF standard on all levels. It will display contents of ReqIF files from structural to attribute definitions. More details you can find <u>here</u>.

ReqIF format

Attribute Types

atomic data types: boolean, date, enumeration, int, float, string, xhtml

Attributes

uses the basic attribute type definitions with optional restrictions: min, max, length, can be defined for objects and specifications also

Object types

collection of attribute types that are grouped together

Objects uses a specific object type and has values for each attribute

Values value objects for attributes of objects or specifications

Specification Types

a collection of object types and specification attributes

Specifications

uses a single specification type

Hierarchy

requirement object structure inside a specification

Relations links between the objects

Edit Objects

Double click on a cell to edit the content. An inline editor appears for XHTML attributes. For other data types appear corresponding checkboxes or date pickers or single inputs.

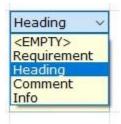
To close inline editing click on any other cell.

The user can set the height of the main column: check the box in Settings / User ... / Calculate only main column row height.

Use the quick action icons or the right-click menu for text formatting and XHTML content editing.

The following shortcuts for editing can be used:

CTRL+B bold CTRL+I italic CTRL+U underline CTRL+SHIFT+U strikethrough



Single valued enumeration will show a dropdown selector



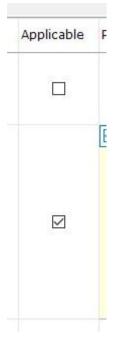
Multivalued enumeration attributes are displayed as a list of checkboxes

4		Au	gust 2	021		*
Mon	Tue	Wed	Thu	Fri	Sat	Sun
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

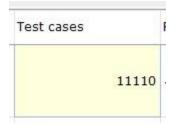
Dates will show a datepicker



String types editing as simple text



Boolean values editing as checkboxes



Integer and float types will only store numerical values

Insert rows

New rows can be created on the same level or as children to the current row.

For inserting a new row at the same level of the current row, right-click on a cell and choose where to insert it. A new generic object is displayed as an empty line or with default values.

Each spec object in ReqEdit has the same attributes (columns) in a document. Different object types are not supported in a single document.

Insert child row creates a new row in the table, below the selected line. It is a child in the tree hierarchy. A new empty line will appear. In case it is edited it will look like this:

	ReqIF-WF.Type Las	tCha
D	Copy row	1
to	Cut row	-
	Paste row	
D	Copy ReqIF ID	
	Insert row before	
	Insert row after	
酒	Insert child row	
	Mark row as deleted	Т
P	Restore soft deleted object	27.0
	Purge selected object	
	Set default value	
	Promote	1
	Demote	
	Expand IBM DOORS Table	
2	Add link	
	Add external link	27.0
	Edit external links	ľ
3	Delete link	
2	Go to links	

ReqEdit displaying context menu, highlighted are the insert object menu items and the top quick action icons

Delete rows

ReqEdit uses soft-deletions, delete will not remove objects from the ReqIF file.

Delete the selected row(s) by

- selecting the row(s) and pressing DEL or
- right-click menu or
- the quick action icons.

Comment		ReqIF-WF.Type LastChan	ge
	9 % 0	Copy row Cut row Paste row Copy ReqIF ID	
	रुमि	Insert row after Insert child row	
	-	Mark row as deleted	
		Restore soft deleted object Purge selected object	
		Set default value	.2022
		Promote Demote	
	-	Expand IBM DOORS Table	

ReqEdit displaying context menu, highlighted are the delete menu items

To confirm Delete action click Yes in the pop up window which appears next.

This function places the removed row(s) into a deleted state.

File Eait view Settings Add-ons Help	
🚳 🗅 📂 📆 🖪 🖋 🛄 🗹 🗄 🔟 🖻	🕅 🕱 🛯 🔚 🔚 - 🗄 🦁 🛡 🐨 📜 😘 📕 📾 - 📲 🗔 🖷 🤉 🗟 🖉 🗞 🔄 💷 🖓 Views: All attributes (System) 🔹 🖡
👂 User Requirements - Kaffeeau*🗙 😐 Specil	fication Document - Kaff 🗴 👵 Use Cases - Kaffeeautomat_2 🗙
■ a = based on VolereRequirements Spec	Main Column
Volere is the result of many yea	The power connector fits to german standards
 ☐ - Project Drivers ☐ 1.1 - The Purpose of the Project ☐ The coffee machine at the airpor 	The coffee machine is always next to a snack bar of the airport operator for electricity and water connection
⊕ 1.2 - The Stakeholders ⇒ 2 - Project Constraints ⊖ 2.1 - Mandated Constraints ⊖ The water pressure shall be max	The machines are in front and behind the Security and in the canteens
 The power connector fits to germ The coffee machine is always nex The machines are in front and be 	The operating hours of the airport are 6-23 clock
The operating hours of the airpo Access to the machine is possibl A LAN port can be set	Access to the machine is possible only during the operating hours
The Machine shall be in a room The temperature is at least 15 °	A LAN port can be set

ReqEdit displaying deleted rows with red status indicator, highlighted is the Show deleted objects icon in the top bar

Restoring deleted rows

To restore a deleted row select it and click on the "Restore deleted rows" button from the toolbar or right-click on the object and select the Restore menu item. It is possible to restore multiple deleted rows.

PURGE (definitive deletion) of deleted objects

Use PURGE to remove objects, marked as deleted, with all attachments from a ReqIF file. Purge function is on the delete toolbars and right-click menus.

Once purged, objects cannot be recovered. Auto-backup feature will have 10 snapshots for recovery.

To clean up deleted rows:

- purge a single deleted row or
- purge all the deleted rows in the entire specification document.

Copy and move rows

Use cut-copy-paste of existing row to create new one. Right-click the desired location and paste the copied object before / after or as a child row of another row.

If a copied row contains links, on paste, a notification asks what to do with the existing links.

If the row has child elements, these will also be copied or moved.

Copy-paste in the Navigator

Use right-click menu in the object navigator to copy-paste objects/rows.

If an object contains links to or from other objects, the links are copied too. A pop up window asks for copying the links or not.

Navigator drag-and-drop

Use drag-and-drop to move objects

Object can be created by CTRL+Drag and release at the desired location

Editing Hierarchy

To change the hierarchy of objects use the **promote** and **demote** functions. They are in the quick action icons, and in right-click context menus.

- Project constrains

--- Management

- Finance

Obje	ct 28		
1andate		Copy row	- 1
laming (8	Cut row Paste row	•
- Object	1	Promote	
)bject 1	1	Demote	_
)bject 1		There are a second s	_
bject 1		Delete	
bject 2	0	Restore Deleted	

Promote / demote objects with right-click menu

Promoting

Will move the object one level up in the hierarchy. If using the drag-and-drop way for promoting, an object/ row can be moved more levels up or down.

Demoting

Move the object one level down as children in the hierarchy.

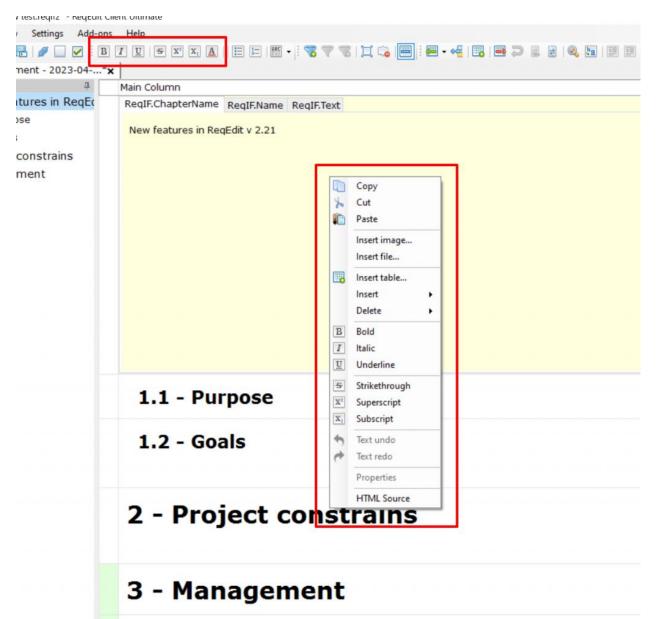
Promote or demote a parent object include promote or demote the object together with its child objects.

Main column

Main column is a combined cell displaying the most important ReqIF attributes: ReqIF.ChapterName, ReqIF.Name, ReqIF.Text

In this cell, the main fields of the document can be edited at once. These fields are XHTML type attributes.

Double click the main column of an object displays an inline XHML editor with 3 tabs. One tab for each attribute.



Cell content editor using buttons or mouse right-click

The cell content editing menu Copy/Cut/Paste function refers to copy/cut/paste texts and pictures from the same document and external documents, too. (word file, excel spreadsheet cells, screenshots, images). The function converts external data format into ReqIF supported one. (text formatting doesn't see, image cannot be downloaded). File format must be ReqIFz to be able to save the images, as attachments.

Note: Depending on corporate internet access, downloading copied images could be prevented by firewalls. ReqEdit will remove some formatings due to limitations of XHTML inside of the ReqIF format.

Copy-Cut-Paste the text of cells of the same ReqIFz file has no limitations regarding the possibilities shown in the right click menu. (Bold, underline, italic, strikethrough, subscript, superscript)

Copy-Cut-Paste of tables is with visible borders of cells. ReqEdit will add automatically borders to tables, even there was no set one before.

Note for experts with HTML knowledge: The HTML Source (experimental) menu item allows to edit and change the HTML source code of content of a cell.

Limitations on content editing Copy-Cut-Paste function:

- Cell formatting settings in Excel spreadsheet
- Attached objects from Wordpad (RTF documents)
- Images can be copy-paste only in ReqIFz files
- If the image/attachment cannot be copied, only file name of the preview images are displayed.

Recommendation: Before copy-cut content from an external source, save file to have a backup copy if the copied content is ReqIF invalid.

Properties

Properties menu gives informations about the attachments / inserted files in main column cells. Right click on the inserted file, **Properties**

	Heading 1	
	Heading 2	
	Heading 3 Heading 4 Heading 5 Heading 6	Attachment properties X File name: _0f31f5d-4ced-4be3-8ec1-0182845cb622/2022-06-24_PDF_Print_1_1.pdf File MIME type:
8	ReqIF.ChapterName ReqIF.Name ReqIF.Text	image/png Preview file name:Of31f5d-4ced-4be3-8ec1-0182845cb622/2022-06-24_PDF_Print_1_1.png OK Cancel

Right click menu in editor mode shows Properties window

HTML Source (experimental)

This function of the right click menu of content editor is recommended to expert users. This function allows to view and change the html source code of the attribute/cell.

Note: Currently the changes will not be validated at inserting time. So be very careful at any change!

Columns

Mass update of attributes

Update multiple rows with a specific attribute value.

The mass update function is designed to be used together with the filtering. This way, a set of objects can be selected according to specific criteria and updated at the same time.

The mass update function is not available for the main column

To use Mass update function first define a filter to select all the rows you want to change. Then right-click on the column header. Select Mass update....A popup window appears.

ement Type	Rationale	12 13	Sort Ascending Sort Descending Hide	Fit Criterior
			Mass update	
		-		F.

ReqEdit displaying the mass update menu item by right clicking the column header

Nass update	×	
This action will modify the val Rationale.	ue of 76 rows in column	
Change All elements in the		
All elements in the Selected rows	date Cancel	

Mass update popup window showing options

Mass update changes all values in the current view for the column.

To change individual cells, select multiple cells from the same column (either Ctrl + click or Shift + click). Right-click at the column heading to trigger the mass change.

Default values

Each attribute can have a default value defined in the <u>Document settings</u>. Selecting an attribute and access the "Attribute editor".

To set back a cells default value for each attribute of a row, right-click the corresponding cell and select the "Set default value".

	ObjectType	Requirement T	ype	Rationale	Fit Criterion
	Info	ā			
analysis. ents We also ns from sers and	Info	Constraint		Copy Cut Paste Dopy ReqIF ID Insert object before Insert object after Insert child object Mark object as deleted Restore soft deleted object Purge selected object	
	Heading	8	CORP.	Set default value	-
				Promote Demote	
			ß	Expand IBM DOORS Table Add link Add external link Edit external links	
			200	Delete link Go to links	

Attachments

ReqIF Archive .reqifz files supports file attachments for objects.

Only XHTML attributes can have attachments inside .reqifz files

Image attachments:

png, bmp, jpg, gif, ico, wmf,

File attachments:

any file type is supported

pdf, doc, docx, xls, xlsx ...

Opening file attachments

Double-click on the file's icon. The attached file is opened by the installed applications on the machine.

Insert file attachments

To add an attachment right-click the XHTML inline editor area and select **Insert image** or **Insert file**

ReqIF.ChapterName	ReqIF.Name	ReqIF.Text		
First Heading				
			□ * □	Copy Cut Paste
Describe the purp	ose of this ch	apter		Insert image
because are purp		apeen		Insert file
First requirement				Insert table Insert Delete
			В	Bold
			I	Italic
			U	Underline
			5	Strikethrough
			X ²	Superscript
			X ₂	Subscript
			4	Text undo
			1	Text redo
				Properties
				HTML Source

ReqEdit displaying context menu, highlighted is the 'Insert image' item

1 - Project Drivers	Heading
1.1 - The Purpose of the Project	
Ruge Format	Heading
Specifications Links Clipette	
Specifications Objects	
Specifications Chiperts	

ReqEdit displaying attachment previews of an object, contains file icons and preview images

Tables

XHTML attributes by definition can have tables. All tables are rendered inside cells.

0e	The coffee machine at the airport	terminal:				
l	Mission: make several coffees (wit	h different ingredients) a	fter payment avai	lable		
	Name	Function	Values	Restrictions	Risk	
1.045	Power management	Power ON	boolean	none	major	Comment
erminolo otions	Stability control	Handling	float	1 rule	minor	

ReqEdit displaying tables inside XHTML attributes

To edit XHTML table structure use the inline editor right-click menu.

Save ReqIF files

If your file is a multi-document file, saving one of the documents will also save the changes made in the other documents of the ReqIF file.

NOTE: Changes on linked documents (e.g. Images or Word, Excel) are not detected. Make a content change to trigger update and enable saving.

Save as

Save the currently edited file as a new filename. Contents will be identical to the original one. Can convert ReqIF into ReqIFz.

Note: Actual file is closed and the file in new saved format will be opened.

Save as encrypted file

To encrypt a file choose **ReqEdit Encrypted File (*reqenc, *.reqzip)** as file type then click SAVE.

More about encryption of a file read here: RegEdit File Encryption/Decryption

Close files

ReqEdit can only close saved files. If there are any unsaved changes, a notification displays and asks to save files before closing.

Use **CLOSE ALL** to clean up the editor.

License activation

General overview about the license activation options. For more details, click here.

Automatic activation

Activation is automatic for trial version and for some custom-tailored versions.

Online activation

(Public environment, internet/online access with no restriction)

The License activator window appears. In the text box enter the Product key and press the Activate button

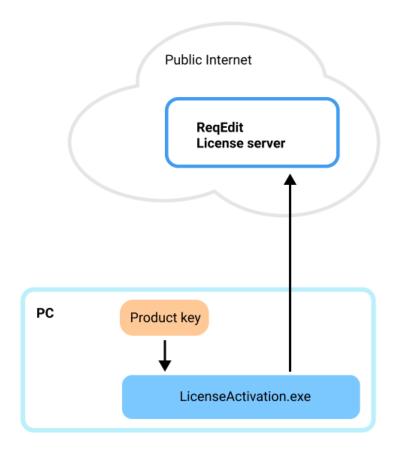


Diagram of public environment with direct connection to ReqEdit License Server

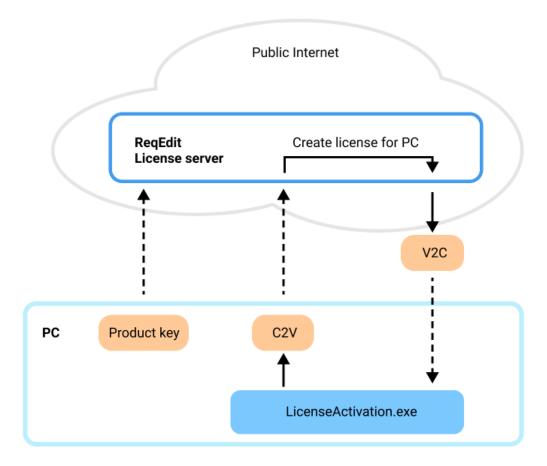
Follow the Activation steps

Offline activation

(Limited environment, with restriction on internet/online access)

LicenseActivation.exe

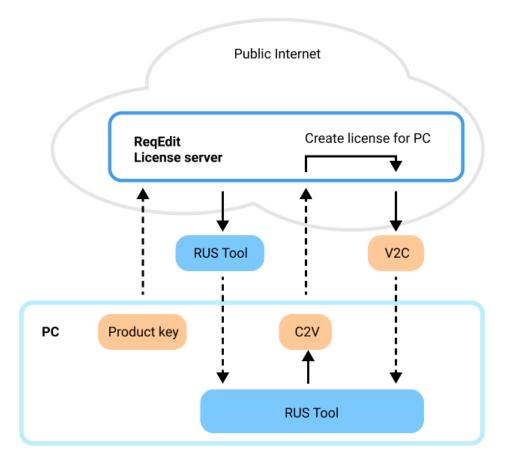
Access to ReqEdit License Server is restricted or not available. Manually activate license for the machine where ReqEdit is running.



Offline activation with LicenseActivation.exe

Offline Activation with LicenseActivation.exe

RUS Tool



Offline activation with RUS tool downloaded from the ReqEdit License Server

Offline Activation with RUS tool

Network license server ACC

(Public internet access is restricted due to internal security policies, and only a local license server is accessible)

A self-hosted licensing server is installed on the restricted network. The server holds all the ReqEdit licenses, that can be accessed from any workstation inside the company network (no local license installation necessary).

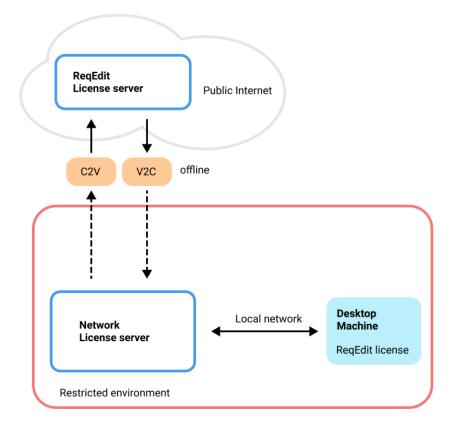


Diagram of restricted environment with self hosted ReqEdit License Server

Setting up the Network license server

License detaching

Note: please inform REQTEAM if you plan to use detaching, so the license can be generated for this purpose.

When users want to have a working copy of ReqEdit outside the restricted environment. License detaching is possible by using the Detach Tool Add-on.

Detaching licenses will lock the license for a period of time for a specific machine. Locking a license has to be done inside the restricted environment, after which it can be disconnected from the network.

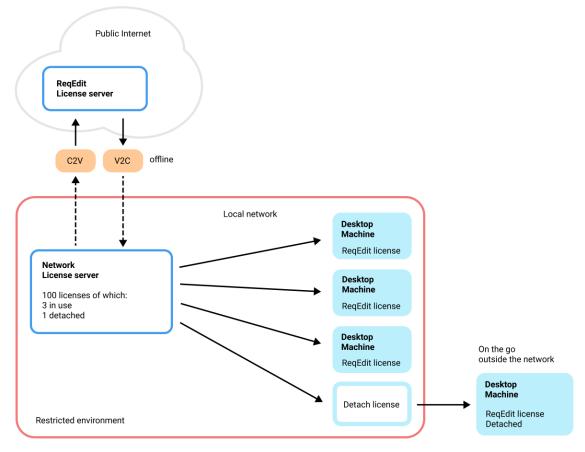


Diagram showing detach mechanism to work outside network license server

License detaching

Filtering, Searching and Sorting

Filtering

Filtering can be used to display only a subset of objects based on specific criteria.

Filtering is temporary, rules are not saved.

From the toolbar create filter, enable / disable current filter, delete filter can be used.

cification Docu	ment - Kaff ×	Use Cases - Kaffeea	automat_2 🗙 🔵 ReqEdit docu
	ObjectType	Requirement Type	Rationale
	Info	2	

Filters can be constructed by the toolbar icons, then later edited or deleted.

Row	~	Contains links	~			×
ln the sele	cted Relation	Group: _9a277fa-e	əb 5c-43b 3-9ffa-b	385d7433811		~
Comment	~	Equal	~			×
Effects	~	Equal	∽ Si	mple	~	×

ReqEdit filter editor popup window

Searching

Activate the search bar from the toolbar or by pressing CTRL+F

ecification Doc	ument - Kaff 🗙 🕚 Use Case	es - Kaffeeautomat_2 3	🗙 🕚 ReqEdit	document - 2021-08-	×	
Find:		Previous Next	Clear	Search in: Main Colu	umn 🗸	
	Match case Match w	hale ward				
	Match case Match w	noie word				
					and the second	

ReqEdit search bar displayed above the main content area

Search can be done in three contexts:

- Main Column: search only in ReqIF.ChapterName, ReqIF.Name, ReqIF.Text
- Entire document: all attributes
- **ForeignID**: search only in ReqIF.ForeignID (only if the attribute is present in the current document)

Find:	project	Previous Next Clear Search in: Main Column V		
	🗌 Match case 🗌 Mate	ch whole word 3 of 5 matches		
Main (Column		ObjectType	Requirement T
2	- Project (Constraints	Heading	-

ReqEdit searching, found result displayed in green cell background

Search and Replace

Replacing values or part of values depending on the search can be done by pressing CTRL+H enabling the replace bar

The replace function works only for the Main Column

Find:	project	Previous	Next	Clear	t document - 2021-08 ×	7		
	Match case Ma		f 5 matches					
Replace with:		Replace	Replace all					
Main Colur	ทก					ObjectType	Requirement Type	Rationa

ReqEdit displaying Search and Replace bar above main content area

Skipping a specific replacement press the Next button

Replace all will do the replacements in the contents of the Main Column then display the total count of replacements.

Sorting columns

Columns can be sorted ascending or descending by **clicking** or by **right clicking** on the column header. Each sort will reset the previous sorting.

ain Column	Comment	12	Sort Ascending	ObjectTyp
pased on Volere Lequirements Specification Template Edition 15—March 2020		17 (12)	Sort Descending Delete sorting	Comment
			Hide	
Volere is the result of many years of practice, consulting, and research in requirements engineering and business analysis. We have packaged our experience in the form of a generic requirements process, requirements training, requirements sonsultancy, requirements audits, a variety of downloadable guides and articles, and this requirements template. We also rovide requirements specification-writing services.			Mass update Columns 🔸	
The first edition of the Volere Requirements Specification Template was released in 1995. Since then, organizations from all over the world have saved time and money by using the template as the basis for discovering, organizing, and communication their requirements.				Info

ReqEdit column sorting menu by right clicking on the column headers

Multi-column sorting

To have multiple sorting CTRL+click the column headers you want to sort. A numbered arrow will display the sorting order. To change the ordering press CTRL+click again on the column

1ain Column 3 -	Object 1 🔻	Requireme 2 🔻
A LAN port can be set	Requirement	Constraint
Access to the machine is possible only during the operating hours	Requirement	Constraint

ReqEdit multi column sorting displayed by numbered arrows in the column headers

Reset sorting

Press the delete sorting icon in the toolbar or press CTRL+D

X ¹ X. A E	▼ 〒 □□□ ■ : ● - •€ 0		Views: All attributes (System)	• 🕞 🖬 🕞 🔜
ification Document - Kaff 🗙 🔵	Use Cases - Kaffeeautomat_2	× • ReqEdit document - 2021-0	08 ×	
3 🔺 Object 1 👻	Requireme 2 Rationale	4 🔻	Fit Criterion	5 🔻

View Manager

What are views?

Views are visible column sets with optional custom sorting and filtering saved as presets. The view manager is located in the toolbar icon groups on the right side.

The views are only for displaying the ReqIF contents in a more human friendly manner for large files with lots of metadata.

The view presets are saved in the RegIF file

3	View edit		• 🖊 🖩 🖬	0010	2 🐼 😼	- 🗆 X	Views: All attrib	utes (System) 🔹 🥫 🕞 🕞
	Attribute Name	Width	Sorting	Visible	Attribute ID	Object Type	~ -	E .
•		100	None		SpecObjectID			
		818	None		MainColumn			Backup History
-	Comment	300	None		_d418826-4cc8-4ddb-af44-5d4918			Backup date: 03.08.2021 11:56:05
2	ObjectType	100	None		_76a0235-a9fd-4d9c-8e2b-54965			File name: Kaffeeautomat_Views.regfz
	Requirement Type	130	None		_c15f2f9-1319-4f8c-ba89-d75ad2c			ID: a5f8d244-caf6-45aa-a493-5f1ca3afad3
t	Rationale	300	None		_d3b6ed2-97ea-4133-ae35-41914			
f	Fit Criterion	300	None		_24ea755-695a-476d-a23a-27eba			Backup date: 03.08.2021 11:46:05
24	ReqIF.ForeignDeleted	151	None		_7847cea-1bcb-46c4-bc71-c25ec7			File name: Kaffeeautomat_Views.regfz ID: a5/8d244-caf6-45aa-a493-5f1ca3afad3
								ID: a5f8d244-caf6-45aa-a493-5f1ca3afad3
								Backup date: 03.08.2021 11:26:03
<u></u>		~	idd column		umn 🔺 Up 💌 Down			File name: Kaffeeautomat_Views.regfz
-			an count		The rely of the			ID: a5f8d244-caf6-45aa-a493-5f1ca3afad3
1.000	Show deleted objects				Copy filter from editor Reset filt	er		Backup date: 03.08.2021 11:16:03
1.000	Show deleted objects lering				Copy filter from editor Reset filt	er		Backup date: 03.08.2021 11:16:03 File name: Kaffeeautomat_Views.reqfz
1.000					Copy filter from editor Reset filt	ier.		File name: Kaffeeautomat_Views.regifz
1.000					Copy filter from editor Reset filt	er		File name: Kaffeeautomat_Views.regifz
1.000					Copy filter from editor Reset fil		r sit amet, con v	ID: a5/8d244-caf6-45aa-a493-5/1ca3afad3

Views can be exported and later imported from the local hard drive

ReqEdit displaying the view manager popup window, highlighted is the view manager toolbar

There are two system views defined per each document which cannot be deleted:

All Attributes - show all the columns in the document

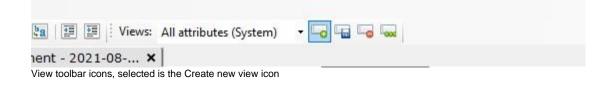
Main column - show only the main column

Views:	All attributes (System)	•	-0	L.	-	
	All attributes (System)		1			
	Main column (System)					
	reduced				C	Comn
	reduced 2					
	reduced 3					
		_				
View cala	atoria tha to allo ar					

View selector in the toolbar

Manage views

To be able to manage views **user defined views has to be created** by clicking the **Create new view** icon



Create or edit views

Pressing the Edit view icon the view editor popup window is displayed. The toolbar icons are:

- Rename
- Save
- Save and Apply, will show the applied view in the main content area
- Delete after confirmation the view is deleted
- Make a copy of the view by setting a new name
- Export the current view in a .view file
- Import .view files. Only existing column names are imported
- **Cleanup**, will leave only the visible columns in the document, a confirmation popup lists all the views / attributes that will be removed. This operation saves the document so a backup is highly advised.

	/iew edit						_	×
red	uced 🔹 🗸 🕅 🕻	3 🗢 🗅	12 🗹 🛒					
	Attribute Name	Width	Sorting	Vi	isible	Attribute ID	Object Type	
•		100	None	~		SpecObjectID		
	Comment	300	None	~	\checkmark	_2982add-78a2-437f-a6f3-1f89efb		
	Processed	82	None	~	\checkmark	_c2952c1-87d8-48ca-b85c-e8a689		
	ReqIF.ForeignDeleted	151	None	~		_0d3c4a8-09d1-4f34-9d1b-7cebab		
	Count	80	None	~	\checkmark	_a521b92-4f9a-4a71-9903-b752c		
		818	None	~	\checkmark	MainColumn		
			dd column	Remo	nove colui	mn 🔺 Ha 🔻 Dawr	2	
			dd column	Remo	nove colur	mn 🔺 Up 🔻 Down	n	
_	Show deleted objects		dd column	Remo	nove colur			
_	Show deleted objects ering		dd column	Remo	nove colur	mn		
_		Ac	dd column	Remo	nove colur			

View editor window

Filtering

Views can inherit filtering from the current document. Press **Copy filter from editor** to save the filter into the view.

Show deleted objects filter can also be used

Toolbar

Creating new views

Clicking the Add View button will ask user for the new view name and preparea it will all the attributes added to it

Editing views

User can edit the view in the main gui with rightclicking the column names or by opening the View manager panel by clicking the icon to the right



Deleting views

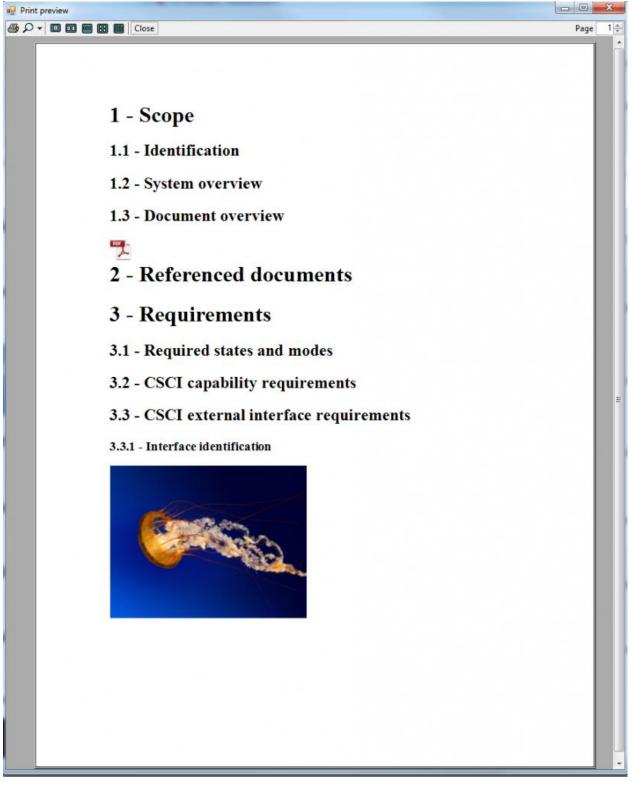
User can delete the selected view if it's not any of the system views by clicking the Delete View button located in the toolbar

Printing

How to print requirements?

ReqEdit supports printing the Main Column or all the visible contents of the current document. File > Print will show the two options.

Print Main Column



Print All visible columns

Print preview	-		
🚳 🔎 🔹 🛄 🛄 🛄 🛄 Clos	ie .		Page 1
			i i
1 - S	Scope		
	ReqIF.ForeignID:	1	
	ReqIF.ForeignCreatedOn:	7/19/2012	
	ReqIF ForeignCreatedThru:	Extracting	
	Last Modified On:	7/16/2012	
	comment:	this is an new attachment	
1.1 - I	dentification		
	ReqIF.ForeignID:	2	
	ReqIF.ForeignCreatedOn:	7/17/2012	
	ReqIF.ForeignCreatedThru:	Extracting	
	Last Modified On:	7/16/2012	
1.2 - 5	System overview		
	ReqIF ForeignID:	3	
	ReqIF ForeignCreatedOn:	7/15/2012	
	ReqIF.ForeignCreatedThru:	Extracting	
4	Last Modified Ou:	7/16/2012	
1.3 - 1	Document overview		
7	(
	ReqIF.ForeignID:	4	

Customize the current view with filters and sorting to prepare a custom view for the print.

Customize the output

ReqEdit offers print customization of the header, footer and cover pages. Access the File > Print > Settings menu item for displaying the customization window.

N Print Settings	X
Header Footer Cover page	
Logo: Browse Delete	Left ▼ Enable
Document title/Specification long name:	Center
Custom text:	Right 🔹 Enable
	OK Cancel

Print customization

Settings

Expert users can fine tune ReqEdit for their specific use case, and configure lots of ReqIF related settings



Document settings

Manage ReqIF file internal settings

Attribute Types

Attributes

Document attributes

Links

Configure Main Column display settings

Server settings

ReqEdit file server connection settings

Server user credentials

User settings

ReqEdit internal configuration

Interface language

Auto backup settings

Doors table display settings

Cache size

Dashboard startup

Document Settings

Read the chapter **Document Settings** for an in depth overview.

User settings

ReqEdit can be displayed in two languages: English and German.

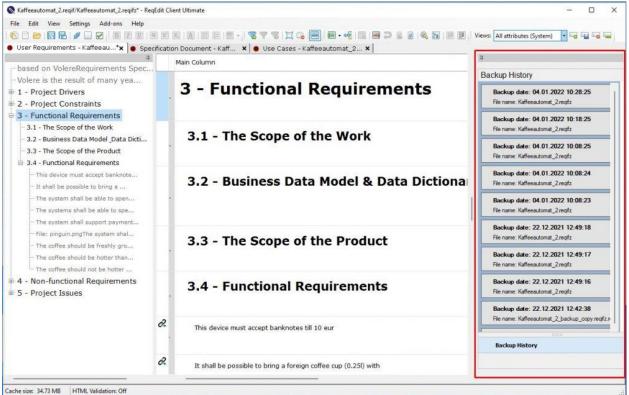
To change the language, press Save and then restart ReqEdit.

Temporary files

Using ReqIF files produces temporary files like: previews, caches, ReqIF Archive objects, etc. To clean the user space use the **Delete temporary files** button

Backups

When a file is saved for the first time, ReqEdit automatically makes a backup copy of the initial state of the file and also starts the timed backup process. By default, the program creates a backup every 10 minutes until it reaches 10 backup files. After that, the oldest backup file will be overwritten. The number of minutes and number of backup files can be changed by the user in the User settings panel.



ReqEdit displaying a ReqIF file, highlighted on the right side is the auto backup panel displaying available backups

The timed backup process can also be disabled by unchecking the [Create backup] checkbox in the Settings > User panel.

By default, ReqEdit stores the backups in the Windows user folder. This is a Windows 7 location sample: C:\Users\user_name\AppData\Local\ReqEdit\ReqEdit\BackUpFiles

The locations of the Log and Backup folders can be changed. More information can be found in the Program environment chapter.

Image caching

Limit the RAM memory used by ReqEdit. Default value is 500mb, but can be increased to gain more speed.

ReqEdit uses image caching to speed up displaying XHTML contents of the ReqIF files. If the ReqIF files are big, increasing the cache size could be a good idea.

Server settings

This requires a ReqEdit Server instance and to be accessible on the internet.

Read more on the Collaborative work with ReqEdit Server

The focus of ReqEdit Server is to keep the file management effort as low as possible. The server offers a central point where you can organize and work with ReqIF files in ReqEdit.

erver Settings		
erver settings		
ost name:	https:// cloud.reqteam.com	
ath		
ort:	443	
onnection type:	O http:// O https://	~
pplication ID:		
ser name:	demo	
assword:	•••••	Save password
roxy server		
Use proxy fo	or ReqEdit server 🗌 Use pro:	xy for updater and license activator
Address:		Port:
User name:		
Password:		

ReqEdit Server settings

Enter credentials for ReqEdit Server and press Test Connection then Save.

Once a valid configuration is saved press **Connect** from this window or from the toolbars or the File menu.



Document Settings

Before describing the document properties, lets go through the internals of the ReqIF files.

TLDR jump to **Document properties**

Attribute types

Each specification document has its own set of attribute types that are used as attributes. The list can be displayed using the menu **Settings > Document**.

Automatic data types for documents

Each new document will have: integer, real, date, string, xhtml and boolean attribute types automatically created, which can be edited.

Creation tool: RegEdit Source Tool RegEdit Number of documents: I Convensation ID: Generate ID Documents: Sheet1 Display as description: Display as text: RegIF.ChapterName V RegIF.Name V Attribute Type Attribute Document Links RegIF.Name V RegIEAted documents Long Name Data Type Last Change Description Sheet1 Boolean BOOLEAN 01.02.2023 Description Sheet1 Integer MiX: 2147483647 MAX: 2147483647 ACCURACY: 3 01.02.2023 URI: Sheet1 Date Date 01.02.2023 URI: Sheet1 Date DATE 01.02.2023 Enumeration Sheet1 Date DATE 01.02.2023 Enumeration URI: Sheet1 Date DATE 01.02.2023 Enumeration Type Values: Key Value 0.004.Approved Sheet1 Text XHTML 01.02.2023 Key Value 0.004.Approved 0.004.Approved	Q Document Setting	gs			- 🗆 X
Number of documents: I Conversation ID: Generate ID Documents: Sheet1 Display as heading: Display as description: RegIF.ChapterName RegIF.Name Attribute Types Attributes Document Links RegIF.Name Related document Links Data Type Sheet1 Boolean Boolean BOOLEAN NINE: -2147483648 01.02.2023 Sheet1 Integer MIN: -2147483647 01.02.2023 MAX: 2147483647 01.02.2023 Sheet1 Date OATE Sheet1 Date OATE Sheet1 Date MATE Sheet1 Date MATE Sheet1 Date MATE Sheet1 Date MATE Sheet1 Text XHTML	Creation tool:	ReqEdit			
Conversation ID: Generate ID Documents: Sheet 1 Display as description: Display as text: RegIF.ChapterName RegIF.Name RegIF.Text V Attribute Types Attributes Document Links V Related documents Long Name Data Type Last Change Description Sheet 1 Boolean BooLEAN 01.02.2023 Description Sheet 1 Integer MIN: -21.47.483648 MAX: 21.47.483647 MAX: 21.47.483 MAX: 21.47.483647 MAX: 21.47.483647 MAX: 21.47.483 MAX: 21.47.48	Source Tool	ReqEdit			
Documents: Sheet1 Display as description: ReqIF.ChapterName Display as description: ReqIF.Name Display as text: ReqIF.Text Attribute Types Attributes Document Links ReqIF.Text Peoprime Related documents Long Name Data Type Last Change Description Sheet1 Boolean BOOLEAN 01.02.2023 Description Sheet1 Integer INTEGER MIN: -2147483648 MAX: 2147483647 ACCURACY: 3 01.02.2023 Description Sheet1 Date DATE 01.02.2023 URI: Sheet1 Date DATE 01.02.2023 Enumeration Sheet1 Date DATE 01.02.2023 Enumeration Type Values: Sheet1 Text KHTML 01.02.2023 Key Value	Number of documents:	1			
Display as heading: ReqlF.ChapterName Display as description: Display as text: ReqlF.ChapterName ReqlF.Name ReqlF.Text Attribute Types Attributes Document Links Related documents Long Name Data Type Last Change Sheet1 Boolean BOOLEAN 01.02.2023 Sheet1 Integer INTEGER MAX: 2147483648 01.02.2023 Sheet1 Integer Real 01.02.2023 MAX: 2147483647 01.02.2023 URI: Sheet1 Date DATE 01.02.2023 Sheet1 Text XHTML 01.02.2023 Sheet1 Text XHTML 01.02.2023 Sheet1 Text XHTML 01.02.2023 MAX-LENGTH: 600 01.02.2023 Enumeration Type Values: Key Value O Not Approved	Conversation ID:				Generate ID
ReqIF.ChapterName ReqIF.Name ReqIF.Text Attribute Type Attributes Document Links Enumeration Related documents Long Name Data Type Last Change Description Sheet1 Boolean BOOLEAN 01.02.2023 Enumeration Sheet1 Integer INTEGER MIN: -2147483648 MAX: 2147483647 AX: 2147483647 01.02.2023 Enumeration Sheet1 Date DATE 01.02.2023 URI: URI: Sheet1 Date DATE 01.02.2023 URI: Enumeration Sheet1 Date DATE 01.02.2023 Enumeration Type Values: Enumeration Type Values: Sheet1 Text XHTML 01.02.2023 Key Value 0 Not Approved	Documents:	Sheet1			~
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Related documentsLong NameData TypeLast ChangeDescriptionSheet1BooleanBOOLEAN01.02.2023EnumerationSheet1IntegerINTEGER MIN: -2147483648 MAX: 214748364701.02.2023EnumerationRealRealREAL MIN: -2147483648 MAX: 214748364701.02.2023URI:Sheet1DateDATE01.02.2023Sheet1DateSTRING MAX-LENGTH: 60001.02.2023Enumeration Type Values:Sheet1TextXHTML01.02.2023Key ValueImmerationENUMERATION02.03.20230Not Approved	RegIF.ChapterName		✓ ReqIF.Name		✓ ReqIF.Text ✓
Sheet1BooleanBOOLEAN01.02.2023Sheet1IntegerINTEGER MIN: -2147483648 MAX: 214748364701.02.2023RealRealMiN: -2147483648 MAX: 2147483647 ACCURACY: 301.02.2023Sheet1DateOATE01.02.2023Sheet1DateOATE01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1TextXHTML01.02.2023Sheet1	Attribute Types Attribut	tes Document Links		1	
Sheet1BooleanBOOLEAN01.02.2023Sheet1IntegerINTEGER MIX: -2147483648 MAX: 2147483647 ACCURACY: 301.02.2023Sheet1Date01.02.2023Sheet1Date01.02.2023Sheet1TextSTRING MAX-LENGTH: 60001.02.2023Sheet1TextXHTML01.02.2023Sheet1TextKHTML01.02.2023Sheet1TextKHTML01.02.2023Sheet1TextKHTML01.02.2023Sheet1TextKHTML01.02.2023Sheet1TextKHTML01.02.2023Sheet1TextKHTML01.02.2023Sheet1TextKHTML01.02.2023Sheet1TextKHTML01.02.2023Sheet1TextSHERATION02.03.2023Sheet1EnumerationENUMERATION02.03.2023Sheet1EnumerationSheet1Sheet1Sheet1EnumerationSheet1Sheet1Sheet1FullerSheet1Sheet1Sheet1FullerSheet1<	Related docume	ents Long Name	Data Type	Last Change	Description
Sheet1IntegerINTEGER MIX: -2147483648 MAX: 214748364701.02.2023RealREAL MIN: -2147483648 MAX: 2147483647 ACCURACY: 301.02.2023Sheet1Date01.02.2023Sheet1Date01.02.2023Sheet1TextSTRING MAX-LENGTH: 60001.02.2023Sheet1TextXHTML01.02.2023Image: Comparison of the stringEnumerationENUMERATION02.03.2023Image: Comparison of the stringENUMERATION02.03.2023Image: Comparison of the string	Sheet1	Boolean	BOOLEAN	01.02.2023	
Real MIN: -2147483648 MAX: 21477483647 ACCURACY: 3 01.02.2023 Sheet1 Date DATE 01.02.2023 String STRING MAX-LENGTH: 600 01.02.2023 Enumeration Type Values: Sheet1 Text XHTML 01.02.2023 Enumeration Type Values: Sheet1 Text XHTML 01.02.2023 Key Value Commerciation ENUMERATION 02.03.2023 0 Not Approved	Sheet1	Integer	MIN: -2147483648	01.02.2023	
Sheet1 Date DATE 01.02.2023 String STRING MAX-LENGTH: 600 01.02.2023 Enumeration Type Values: Sheet1 Text XHTML 01.02.2023 Enumeration ENUMERATION 02.03.2023 0		Real	MIN: -2147483648 MAX: 2147483647	01.02.2023	
String MAX-LENGTH: 600 01.02.2023 Enumeration type values. Sheet1 Text XHTML 01.02.2023 Key Value Enumeration ENUMERATION 02.03.2023 0 Not Approved	Sheet1	Date		01.02.2023	
Sheet1 Text XHTML 01.02.2023 Key Value Enumeration ENUMERATION 02.03.2023 0 Not Approved		String		01.02.2023	The second se
	Sheet1	Text	XHTML	01.02.2023	
0 Approved		Enumeration	ENUMERATION	02.03.2023	
					0 Approved
	New	Edit Delete			
New Edit Delete					

ReqEdit displaying list of attribute types of a specification document, highlighted is the data type column which displays the base type and restrictions of the attributes. Selected is an enumeration type attribute and the enumeration values are displayed on the right bottom in the Enumeration Type Values list box

Data types

Attributes in ReqIF files are constructed from underlaying data types with or without restrictions. The usage of restrictions in the data types can make the requirement specifications more robust by not letting invalid values to be used.

Properties of data types

Depending on data types, different properties are available. The following table describes all available properties per data type

Long Nan	e Description	Min	Max	Accuracy	Enum Values
----------	---------------	-----	-----	----------	-------------

Boolean	Х	Х				
Date	Х	Х				
Enumeration	Х	Х				Х
Integer	Х	Х	Х	Х		
Real	Х	Х	Х	Х	Х	
String	Х	Х		Х		
XHTML	Х	Х				

Boolean

Its value can be true of false. These two states are displayed by a check box on the screen. This is an exception type, double click on the cell is not necessary for editing. Its value can be altered by a single click.

Date

A real date can be written or set as its value. In the view mode, the cell shows the value of the date, but in the edit mode it displays the DateTimePicker controller used for selecting the date. This offers help for the user to select fast the exact date. The date value can also be removed by unchecking the box in the top left corner of the date picker.

Integer

An integer can be given as a value between previously determined limits. In case of not giving a numeric type, the program will display an alert and the user can only continue if a correct value is entered.

Real

The value can be a decimal number between previously determined limits. In case of not entering a numeric type, the program will display an alert and the user can only continue if a correct value is entered.

String

An unformatted text with a previously determined length can be entered as a value. NOTE: The maximum allowed length of a string is 600 characters. This limitation was imposed in order for the files to be compatible with IBM Rational DOORS.

Enumeration

Represents a list of fixed values that can be used.

Each value has a **Numeric Value**, a **Label** displayed to the user, and an optional **color** in HEX or named color.

Data Type Enumeration LongName Enumeration_ReqIF-WF.ProductVariant Description JRI: JRI: Accuracy 6 Identifier:	nume						
Description JRI: Accuracy 6 4ccuracy 6 4curacy 7 7 <td></td> <td>ration</td> <td></td> <td></td> <td></td> <td></td> <td></td>		ration					
JRI: Accuracy 6 ♀ Identifier: _cce24f4b-d04c-4223-bd9b-a3307d8353a0 inumeration values: NUM VALUE LABEL COLOR URI 0 Variant 1 Blue 1 Variant 2 Fuchsia	inume	ration_RegIF-WF.ProductVariant		Min	0		
Accuracy 6 dentifier: _ce24f4b-d04c-4223-bd9b-a3307d8353a0 inumeration values: NUM VALUE LABEL O Variant 1 Variant 2 COLOR URI Blue Fuchsia				Max	0		
dentifier: _ce24f4b-d04c-4223-bd9b-a3307d8353a0							
inumeration values: NUM VALUE LABEL COLOR URI Variant 1 Blue 1 Variant 2 Fuchsia							
inumeration values: NUM VALUE LABEL COLOR URI Variant 1 Blue 1 Variant 2 Fuchsia		<u></u>					
NUM VALUE LABEL COLOR URI 0 Variant 1 Blue 1 Variant 2 Fuchsia	e24f4	b-d04c-4223-bd9b-a3307d8353a0					
NUM VALUE LABEL COLOR URI 0 Variant 1 Blue 1 Variant 2 Fuchsia							07-
Variant 1 Blue 1 Variant 2	ues:					00	
1 Variant 2 Fuchsia							
	E	LABEL	COLOR	URI			
2 Variant 3 #21EF3A		Provide Advances (Britter	A MARCHAELE TO THE	URI			
	0	Variant 1	Blue	URI			
	0 1	Variant 1 Variant 2	Blue Fuchsia	URI			
	0 1	Variant 1 Variant 2	Blue Fuchsia	URI			
NUM VALU		:e24f4		 e24f4b-d04c-4223-bd9b-a3307d8353a0	Max 	Max 0	Max 0

XHTML

XHTML format permits formatting of text in multiple ways, similar to any text processing application: Bold, Italic, Underline, Strikethrough, Superscript, Subscript, Unordered list, Ordered list, Paragraph, Normal text, Heading 1 – Heading 6

In addition to text formatting **tables** and **images** can be used in the content, as well as **file attachments**.

URI

The URI Represents the Resource types defined by DNG data models. All the attribute definitions, attributes, enum values may have URI values defined.

Attributes

Using the defined attribute types, attributes can be created to be used in the document or the objects. Each data type has its own properties shown in the following table

Long Name Description Read Only Multivalued Default Va
--

Boolean	Х	Х	Х		Х
Date	Х	Х	Х		Х
Enumeration	Х	Х	Х	Х	Х
Integer	Х	Х	Х		Х
Real	Х	Х	Х		Х
String	Х	Х	Х		Х
XHTML	Х	Х	Х		Х

Each data type has its own properties

Enumeration attributes

Using enumeration data types in attributes has two main use cases

Single-value enumeration

You can choose only one value from a previously determined value set. It shows the chosen value in cell viewer mode. In the editor mode you can choose the required value from a values list (ComboBox or DropDownList).

Besides the values of an enumeration attribute type, the user can also select the value to remove the value of a cell.

Multivalue enumeration

You can choose multiple values from a previously determined value set. It shows the chosen value in cell viewer mode. In the editor mode you can choose the required values from a list by selecting each check box.

enum	enums
<mark>2-lime,</mark> 3-pink	4-black
4-black , 5-green	2-lime, 4-black
4-black , 5-green	3-pink , 4-black
3-pink	3-pink
	3-pink
<mark>2-lime</mark> , 5-green	2-lime
<mark>2-lime,</mark> 5-green	

Multivalued enum attribute displayed as list of values with colors

Non-functional
Constraint

Single value enum attributes are displayed as text

Document Properties

Information related to a specification document is visible in the Document tab. Document Name, description, attributes and statistics.

Statistic Information of:

- Documents in file
- Rows in selected document
- Attributes in selected document
- Attribute types in selected document
- Incoming and outgoing links

Attributes that are defined internal to the specification are also listed with the value displayed on the right side.

Number of documer Conversation ID:	nts: 1							Generate ID	
Documents:	Test file	for import excel							ŝ
Display as heading				Display as d			Display as text:		
ReqIF.ChapterNan ttribute Types Att		ument Links	~	RegIF.Name		~	RegIF.Text		~
LongName: Description: Identifier: Last changed: Number of attrib Number of attrib		Test file for import 99a5be8-b7c0 2023-03-07T12 6 19	0-4ddd-a3 2:02:05+0 Numb		links: 2				
Number of rows		32 (0 deleted)	Numb		1111 113. 2				
Long	Name	Custom Type	Data	a Type	Last Change	Is editable			

ReqEdit displaying document properties

Specification types

Currently not displayed, internally will be created and used exactly as in the ReqIF standard.

Object Attributes

List of attributes used in all objects of the selected document.

ation tool:	ReqEdit					
urce Tool	ReqEdit					
mber of documents:	1					
nversation ID:						Generate ID
cuments:	Sheet1					
	Greet					
)isplay as heading:		and the second se	as description:		Display as text:	
RegIF.ChapterName		✓ ReqIF.	Name		✓ ReqIF.Text	
ribute Types Attribu	ites Document Links	 Data Type 	Last Change	Is editable	Description	
and the second s	туре	BOOLEAN	0.0000000000000000000000000000000000000			
	and the second s	DATE	06.03.2023	<u> </u>		
ReqEditModi	ne Date	ENUMERATION	06.03.2023		-	
ReqIF-WF.Pr	od Enumeratio		06.03.2023	\$		
ReqIF-WF.Ty	pe Enumeratio	ENUMERATION	06.03.2023	1	URI:	
RegEdit.Exce	elR Integer	INTEGER	06.03.2023	\$	Default Value(s)	
Hierarchy ID	Integer	INTEGER	06.03.2023	<i></i>		
ReqEditID	Integer	INTEGER	06.03.2023	<i></i>		
Object ReqI	F ID Text	XHTML	07.03.2023	0		
🔋 ReqIF.Chapt	erN Text	XHTML	06.03.2023	~		
ReqIF.Text	Text	XHTML	06.03.2023	1		
ReqIF.Name	Text	XHTML	06.03.2023	~		
Comment	Text	XHTML	07.03.2023	0		
🗊 ReqEditModi	fie Text	XHTML	06.03.2023	~		
ReqIF-WF.Cu	ust Text	XHTML	06.03.2023	1		
ReqIF.Text	Text	XHTML	06.03.2023	~		
New	Edit Delete					

Object Attribute management window

System attributes are displayed by a PC icon in the list, **these attributes cannot be deleted**

ReqEdit internal attributes

- ReqEditID integer type, read-only attribute, internal unique ID
- ReqEditModifiedOn date type, read-only attribute, last modification date of the object
- ReqEditModifiedBy string type, read-only attribute, stores the Windows username who edited the object

SpecObject types

Currently not displayed, internally will be created and used exactly as in the ReqIF standard.

Links

Are covered in the Links chapter

License Management

Automatic activation.

Activation runs automatically for trial version or for some custom-tailored versions.

On the last step of the installer the checkbox remains at default settings.

	Completing the ReqEdit Setup Wizard
(110m)	Setup has finished installing ReqEdit on your computer. The application may be launched by selecting the installed shortcuts. Click Finish to exit Setup. Start LicenseActivation.exe after finishing installation, if license can be activated automatically, ReqEdit will be started
	Finish

Window Start Activation Setup

LicenseActivator.exe starts without displaying User interface. It detects .v2c file and activates the product.

ReqEdit opens automatically.

Online activation

After installation

Note: You need to have non-restricted Internet acces, or need to configure the proxy settings for it.

The License activator window appears. If not, run the LicenseActivator.exe in the ReqEdit folder. In the text box enter the Product key and press the Activate button.

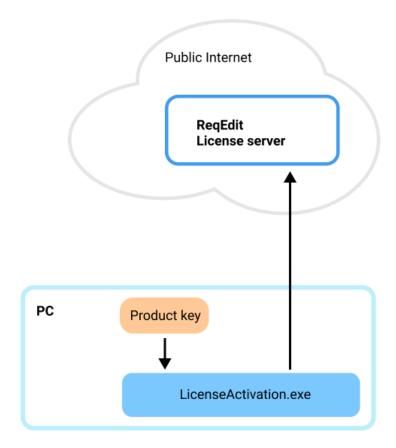


Diagram of public environment with direct connection to ReqEdit License Server

C License acti	vator				:: -	D	×
Online Activation	Offline Activation	License info					
Local license Please enter	e: your product key and	d select the appro	priate operation:				
 New pro Use exist 							
	he existing product k	ey					
	nse:						
License serv	er address:				_		
					-		
Proxy setting	js			Activate	00	Cancel	

License activator window

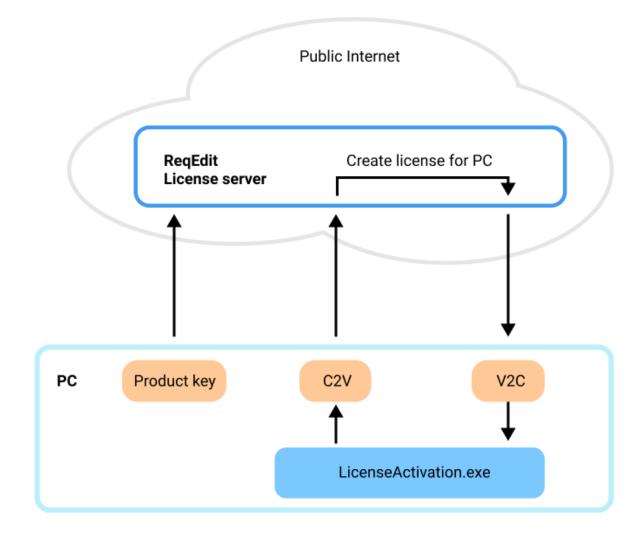
🔇 License activator			843		\times
Online Activation Offline Activation License info					
O Local license:					
Information	×	on:			
Activation was successful!					
C	ок				
License server address:					
		Activ		Cancel	
Proxy settings		ACTIV	ale	Cancel	
tivation done			1		

Activation done. Run ReqEdit.

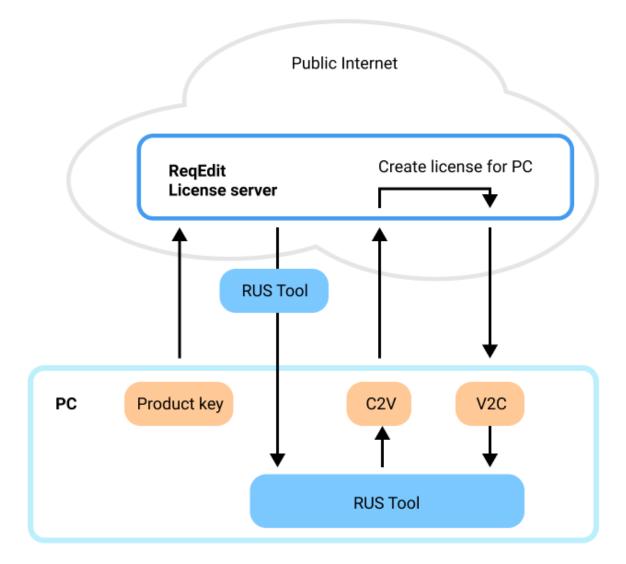
Offline activation

This activation allows running ReqEdit when access to ReqEdit License Server is restricted or not available. Create manually a license for the machine where ReqEdit is running.

In this case there are 2 options for activation: Activation with the file LicenseActivation.exe or Activation using the RUS Tool. Through them you can generate a .c2v file which you need for creating the license for your PC.



Activation with LicenseActivation.exe



Activation with RUS Tool

Activation with LicenseActivation.exe

Activation with **RUS Tool**

Activate with LicenseActivation.exe

The offline activation needs the following:

- product key (got with purchasing ReqEdit)
- machine generated .c2v file (follow the next steps)

Open ReqEdit folder and click LicenseActivation.exe in the ReqEdit folder.

Pops up License activator window. Here generate C2V file

Save the file into the suggested folder or elsewhere

License activator	-3		×
Online Activation Offline Activation License info			
License request			
1. License Request (C2V) 2			
License activation 2. License Response (V2C) Activate V2C output			
Close		Cancel	

Generate c2v file in Offline activation

At an online workstation login with Product key at the Sentinel EMS Customer portal

https://license.regteam.com/ems/login.html

omer Portal Login	License Update
omer Ponar Login	License Opdate
10	
Product Key:	
<u> </u>	
Login	
Login	

Sentinel EMS Login

Choose Offline Activation tab. A new window appears.

In the Generate License window **upload** the saved **C2V** file.

Then click Generate.

enerate License	9			×	Online Activation	Offline Activation
Order Details				b.horva	ath@innov	
Product Key: Customer: Activations: Ref ID 1: Entitlement Comments:	Botond Horvath Unlimited	E-mail: Remaining Activations: Ref ID 2:	b.horvath@innov Unlimited	- Unlimit true	ed	
Products:	Product Ultimate User Licens Download RUS, a to		Lock Type SL-UserMode			
Jpload C2V						
Upload C2V: Comments:	Test_Offline_Activation.c2v	-	-			
				ntinel El	MS for Sentinel LDK v8.2	(Patch Version: 7/2)

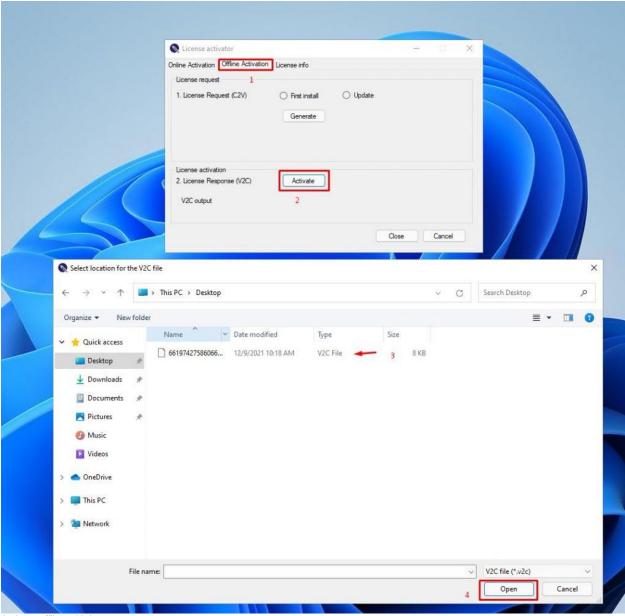
The Key ID. appears

Download the VC2 file

ey ID	Lock Type	Activation Date	Comments	Download
	SL-UserMode	2021-12-09		V2C File

Downloading the V2C file

Go to the License Activator window and press Activate button



Activate offline with key

In the Browser window select V2C file

Press Open

Online Activation Offline Activa	ation License info			
License request				
1. License Request (C2V)	O First install	🔿 Update		
	Generate			
C2V file C:\Users\Bryan\De https://license.reqteam.com Please use your product key	/ems/customerLogin.html		lease upl	load this t
https://license.reqteam.com	/ems/customerLogin.html		lease upl	load this t
https://license.reqteam.com Please use your product key License activation	n/ems/customerLogin.html y as login Activate		lease upl	load this t
https://license.reqteam.com Please use your product key License activation 2. License Response (V2C)	n/ems/customerLogin.html y as login Activate		lease upl	load this t

Open ReqEdit and start working with it.

Activate with RUS Tool

- Login to the customer page of REQTEAM license management (<u>https://license.reqteam.com/ems/customerLogin.html</u>)
 Enter your license key from your license

er Portal Login License Update	License opdate
	License opdate

Sentinel EMS login

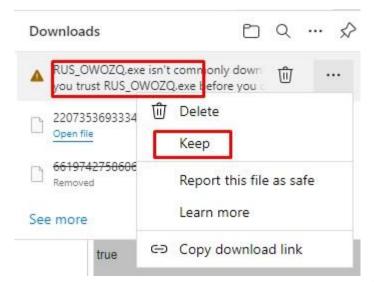
Click on the Offline Activation Button

Appears Generate License window

enerate License				X	Online Activation Offline Activatio
rder Details				b.horvat	th@innov
Product Key:					<u> </u>
Customer:	Botond Horvath	E-mail:	b.horvath@innov	1	
Activations:	Unlimited	Remaining Activations:	Unlimited	Unlimite	d
Ref ID 1:		Ref ID 2:		true	
Entitlement Comments:					
Products:				_	
Toducis.	Product		Lock Type		
	Ultimate User Licens	e 10/2021	SL-UserMode		
	Download RUS, a to				
	Download ROS, a to	or to generate C2V			
pload C2V					
Jpload C2V:					
Comments:					
				tinel EN	IS for Sentinel LDK v8.2 (Patch Version: 7

Download RUS tool (RUS_OWOZQ)

Some antivirus program can delete or quarantine this file. So, keep it when the antivirus asks for deleting or putting into quarantine.



Make sure you trust RUS_OWOZQ.exe before you open it

Microsoft Defender SmartScreen couldn't verify if this file is safe because it isn't commonly downloaded. Make sure you trust the file you're downloading or its source before you open it.

Name: RUS_OWOZ	Q.exe
Publisher: Unknowr	1
Show less 🔿	
Keep anyway	
Report this app as s	safe
Learn more	
Delete	Cancel

Keep RUS tool

A

- 1. execute RUS tool
- 2. select Collect Status Information and select C2V file type.
- 3. select Installation of new protection key

press Collect Information save the C2V file

ollect Status Information	Apply License File	Transfer License		
KUS UTILITY				
he RUS utility (Thales Rem emote updating of the licer een deployed.				e
he RUS utility window cons	ists of the following ta	abs:		
on the current statu fingerprint informat generated C2V file. selects the required • Apply License Upda update licenses in a • Transfer License: Th	us of the licenses in the ion. The end user spe If more than one Sen key. No private custo te: The parameters in Sentinel protection ke ne parameters in this	ers in this tab are used ie Sentinel protection k cifies a name and locat timel protection key is i omer data is included in this tab are used to ap ey tab are used on the sou om the source compute	ey or collecting ion for the nstalled, the user the C2V file oply a V2C file and urce computer and	'n
ours, EQTEAM support team				
EQTEAM GmbH				
dams-Lehmann-Str. 56 0797 München Deutschland				
elefon: 49 89 21548150 ax: 49 89 21548151				
-Mail: contact@reqteam.com				
0:40:11: ingerprint retrieved.				
0:44:35: ingerprint retrieved.				
ollect information from this	computer to enable:			
) Update of existing protec	ction key			
Installation of new prote	ction key			
ollect Information				

Molecom	0 Longut Light		
RUS		- 0 ×	
Collect Status Information	Apply License File Transfer License		
KUS UTILITY			
	note Undate System) is an advanced utility that e	nables service	
🥙 Save Key Status As			2
$\leftarrow \rightarrow \ \ \cdot \ \ \uparrow$	📑 > Thi > Docu 🗸 🗸 🔿	Search Documents	<i>م</i>
Organize 👻 New fo	lder	≣ ▪	1
Music	Name	Date modified	Ty
	Test_Offline.c2v	12/9/2021 10:43 AM	C
Videos	lest_onnie.czv		The C
 Videos OneDrive 			
> 🔷 OneDrive			
> OneDrive This PC Network	t_Offline.c2v		
 OneDrive This PC Network File name: Test 			
 OneDrive This PC Network File name: Test Save as type: Upc 	t_Offline.c2v		
 OneDrive This PC Network File name: Test 	t_Offline.c2v	 Save Can	
 OneDrive This PC Network File name: Test Save as type: Upc Hide Folders 10:44:35: 	t_Offline.c2v	Save Can	
 OneDrive This PC Network File name: Test Save as type: Upc Hide Folders 	t_Offline.c2v date receipt file (*.c2v)	Save Can	
 OneDrive This PC Network File name: Test Save as type: Upc Hide Folders 10:44:35: Fingerprint retrieved. 	t_Offline.c2v date receipt file (*.c2v)	Save Can	
 OneDrive This PC Network File name: Test Save as type: Upc Hide Folders 10:44:35: Fingerprint retrieved. Collect information from this 	t_Offline.c2v date receipt file (*.c2v)	Save Can	

Save c2v file

C2V file can be used for license related operations.

At an online workstation login with Product key at the Sentinel EMS Customer portal

Upload the C2V file to <u>Sentimel EMS</u>.

enerate License	9			\times	Online Activation	Offline Activation
Order Details				b.h	orvath@innov	
Product Key: Customer: Activations: Ref ID 1: Entitlement Comments:	Botond Horvath Unlimited	E-mail: Remaining Activations: Ref ID 2:	b.horvath@innov Unlimited	- Uni true	imited	
Products:	Product Ultimate User Licens Download RUS, a to		Lock Type SL-UserMode			
pload C2V						
Upload C2V: Comments:	Test_Offline.c2v					

Upload c2v to EMS

Press Generate to generate V2C file.

Download V2C file to your PC.

Key ID	Lock Type	Activation Date	Comments	Download	
	SL-UserMode	2021-12-09		V2C File	

Download v2c

- 1. execute RUS Tool
- select tab Apply License File and select the V2C file
 press Apply Update to activate the license on the machine

Sentinel EMS			Welcome Logout He
	- 🗆 X	-	
Collect Status Information Apply License File Transfer License		×	Online Activation Offline Activation
			b.horvath@innov
			-
		h@innov d	Unlimited
			true
	Jser.V2C		
		Download	
		V2C File	
			tinel EMS for Sentinel LDK v8.2 (Patch Version: 7/202
		0	
<u> </u>		Close	
Update File C:\Users\Bryan\Desktop\	[]		
Apply Update			

Collect Status Informat	ion Apply License File	e Transfer License			
10:54:45:				-	
Applying update from Update written succes	file C:\Users\Bryan\Desk sfully.	top\	- Jser.V2C		
				100852	
Jpdate File C:\Users\{	3ryan\Desktop\	-User.V2C			

Activation done

Activation done!

You can start to work with ReqEdit.

Network license server ACC

A self-hosted licensing server is installed on the restricted network. The server holds all the license pools that can be used and has to contain a current snapshot of the license database from ReqEdit License Server.

Downloads

Download haspdinst.exe for windows

Version	Downloads
Sentinel ACC haspdinst.exe 8.53	haspdinst.zip haspdinst.exe

ACC windows versions

Download aksusbd.tar for linux

Version	Downloads
Sentinel ACC aksusdb.tar 8.53	aksusbd-8.53.1.tar

ACC linux versions

Add note: please inform REQTEAM if you plan to use detaching, so the license can be generated for this purpose.

Installing

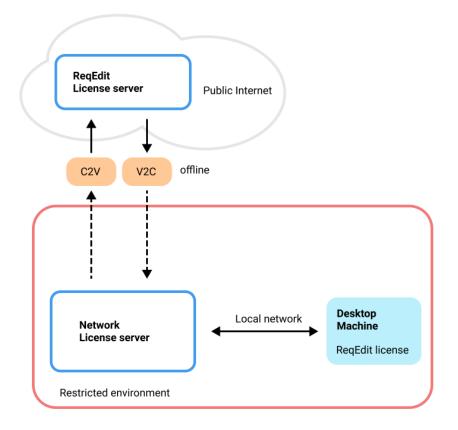


Diagram of restricted environment with self hosted ReqEdit License Server

NOTE: The installation needs to me made on the "future" license server.

NOTE: Windows can detect the haspdinst.exe as untrusted, Run Anyway

- Port 1947 has to be opened
- Type haspdinst -i in the command line. The installation or upgrade process is performed automatically. A message is displayed informing you that the Sentinel LDK Run-time Environment was successfully installed.

On windows execute the following command to start the installation:

haspdinst -i

You can find an extended manual if you run the program in Windows File Explorer.

To check the status of the installation execute the command:

haspdinst -info

The version of the "Installed Package Drivers" needs to be 8.31

To check the status of the installation execute the command

haspdinst -info

In the ReqEdit application folder you need to start the executable "Start.exe" or "LicenseActivator.exe" depending on the version you have and insert the FQDN or IP of your license server.

Read more on the topic here Installation guide Thales/Sentinel LDK EMS

Updating

The update of the ACC needs to be done exactly like the install.

Fist stop the windows service (press windows START then type "Services") with the name "Sentinel LDK License Manager" and then execute

haspdinst -i

Uninstalling

To remove Sentinel license server on Windows execute

haspdinst.exe -r

if for some reason the uninstallation does not work, you can force remove with

haspdinst.exe -fr

Configuration

C2V on Windows

Go to the license server webpage <u>http://localhost:1947</u> and select the "Sentinel Key" item.

\leftrightarrow \rightarrow C (i) localhos	st:1947/_int_/devices.1	html						☆	0	*	۲	;
Sentinel Adm	in Control	Cente	r								🕑 Help	P
	Sentinel	Keys Host	Name: win-	newdev								
Sentinel Keys	Location	Vendor	Key ID	Кеу Туре	Configuration	Version	Sessions	Action	ns			
Products	Local	113498 (113498)	hey lo	Reserved for New SL Key	SL	8.21	00001010	La Fin		int		
Features												

ACC server showing the vendor keys, download the Fingerprint

press the "Fingerprint" button and save the C2V file in the downloads folder.

Step 1: Got to the customer login

page <u>https://license.reqteam.com/ems/customerLogin.html</u>. You need to insert the product key to login.

Customer Portal Login	License Update
Product Key:	

Step 2: Select "Offline Activation".

Step 3: Upload the created .c2v file.

Step 4: Click the "Generate" button and save the .v2c file to a folder you like.

enerate License				Online Activation Offline Activation
order Details				b.horvath@innov
Product Key: Customer: Activations: Ref ID 1: Entitlement Comments:	Botond Horvath Unlimited	E-mail: Remaining Activations: Ref ID 2:	b.horvath@innov Unlimited	- Unlimited true
Products:	Product Ultimate User Licens Download RUS, a to		Lock Type SL-UserMode	
Ipload C2V	Download Kos, a to	o generale 62V		
Upload C2V: Comments:	Test_Offline_Activation.c2v	-	-	

Upload c2v file

Update/Attach licenses

Step 5: Download the generated V2C file (or the V2C file received from us)

		and the second se
SL-UserMode	2021-12-09	V2C File

Download V2C file

Step 6: Upload to your local license server <u>http://localhost:1947</u> in the menu "Update/Attach".

\leftrightarrow \rightarrow C (i) localho	st:1947/_int_/checkin.html		
Sentinel Adm	iin Control Cer	nter	
	Update/Attacl	h License Host Name: win-newdev	
Sentinel Keys	Select File:		Select File
Products		File Format: a V2C, V2CP, H2R, R2H, H2H or ID file Apply File Cancel	
Features			
Sessions			
Update/Attach			
Access Log			
Configuration			
Diagnostics			

ACC server update/attach V2C license file page

Step 7: Check in in the menu "Products", if the license was correct inserted/updated.

C2V on Linux

If you are using Linux, the procedure is a little bit more complex. You need to log in to your license server (ACC) and click the tab "Diagnostics". Here you find a button named "Generate ID File". After clicking this button you got an ID file to save. Please save this file to a local drive and change the file extension to .c2v.

Now open this C2V file in a text editor and change the structure of the ID file, which should look like this (characters truncated with ...):

```
<?xml version="1.0" encoding="UTF-8" ?>
<location>
<license_manager id="F07reQmW9igotxo....1b4VD5kRUi4qsA"
time="0">
<version>24.4.1.110802</version>
<hostname>safenet</hostname>
<name>SAFENET</name>
<host_fingerprint type="SL-AdminMode" crc="123456789">
MXhJSYlJIQewwFkjBPbITRjkSqpKZebAq3PcANCwG.....==
</host_fingerprint>
</license_manager>
</location>
```

and change the file to this:

```
<?xml version="1.0" encoding="UTF-8" ?>
<hasp_info>
<host_fingerprint type="SL-AdminMode" crc="123456789">
MXhJSYlJIQewwFkjBPbITRjkSqpKZebAq3PcANCwG.....==
</host_fingerprint>
</hasp_info>
```

License detaching

Note: please inform REQTEAM if you plan to use detaching, so the license can be generated for this purpose.

When users want to have a working copy of ReqEdit outside the restricted environment. License detaching is possible by using the Detach Tool Add-on.

Detaching licenses will lock the license for a period of time for a specific machine. Locking a license has to be done inside the restricted environment, after which it can be disconnected from the network.

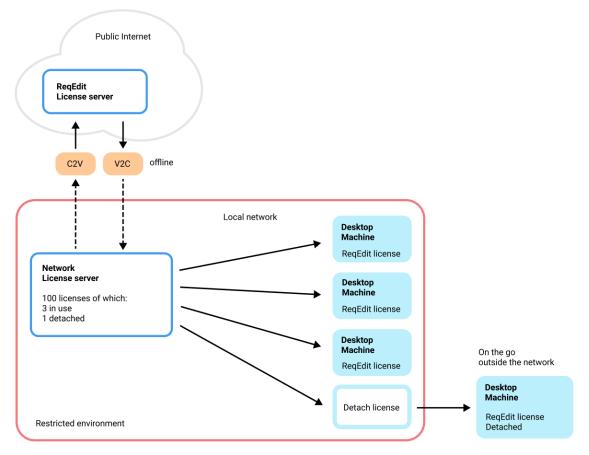


Diagram showing detach mechanism to work outside network license server

NOTE: : To be able to use ReqEdit on a workstation which leaves the company network, you need to detach a license for it. To achieve this goal ACC must be installed on the workstation!

Installing ACC on the workstation (jump to ACC install section)

Configuration of ACC is not needed. Detach tool will handle the license transfer automatically.

Requirements

The ReqEdit Detach tool needs to run on a Windows operating system with .Net library (at least version 4.8 or higher) installed.

Additional the Sentinel Admin Control Center needs to be installed and configured locally. Please ensure that a valid VLIB DLL (i.e. haspvlib_113498.dll is corresponding for ReqEdit licenses) is installed. The file needs to be in the folder.

"C:\Program Files (x86)\Common Files\Aladdin Shared\HASP".

About detailed requirements, read more here.

Enable Detaching on main server

Before you detach a license, you need to make **configurations on the server** in order to enable detaching on your main server

To do that you need to login on the ACC license server and select the menu "Configuration" and select the tab "Detachable Licenses"

1. Allow Remote Access to ACC as HTTP or HTTPS

2. Set Password

Seating Mays Back Settings Loces to Remote License Managers Access from Remote Clients Client Membries Detachable Licenses No Products Muchen Name Webor-2022 Muchen Name Webor-2022 Muchen Name Webor-2022 Sessions Muchen Name Webor-2022 Passed Muchen Name Webor-2022 Update/Attach More Remote Access to ACC Deabled Webor-2022 Webor-2022 Update/Attach More Remote Access to ACC Deabled Webor-2022 Webor-2022 Update/Attach More Remote Access to ACC Deabled Webor-2022 Webor-2022 Update/Attach More Remote Access to ACC Deabled Webor-2022 Webor-2022 Configuration Deabled Webor-2022 Webor-2022 Webor-2022 Digropotics Dagle Release Tree (acc) Image: Passed Image: Passed Image: Passed Digropotics Dagle Release Tree (acc) Image: Passed Image: Passed Image: Passed Image: Passed Digropotics Dagle Release Tree (acc) Image: Passed Image: Passed Image: Passed Image: Passed Image: Passed		Configuration Host Name winsrv-2022					
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Generale C2V file for HASP key		Write a Process ID (pid) File					
			Enable this option only if recommended by vo	ur software vendor			
		Do not load haspimy exe					
Activate Windows		Contraction of the second s					

ACC server configuration for HTTP or HTTPS access

3. Go to the Detachable Licensing Tab

Please activate the checkbox "Enable Detaching of Licenses". You can determine the maximum detach duration in days.

Additional you can set the number of licenses you want to keep on the server (to be not detachable) in the field "Reserved Licenses". Here you can enter either an absolute number or a percent value.

If you want to do different settings for your different products, you can do this by click on the button "Per-Product Settings".

Thales Sentinel ACC: Config	irat x +					.π.	O	×
$\leftarrow \rightarrow$ C (i) localho	st:1947/_int_/config_detach.html				îð	£ @		
Sentinel Admin (Control Center						🕑 Helj	p
	Configuration Host Name: w	insrv-2022						
Sentinel Keys	Basic Settings Users Acce	ss to Remote License Managers	Access from Remote Clients	Client Identities	Detachable Licenses	Network		
Products	On-Demand Detaching of License							
Features	Enabled Maximum Duration @		days					
Sessions	Automatic Detaching of Licenses		uays					
Update/Attach	Enabled	D						
Access Log	Allowed Offline Duration @ Common Detach Settings	2	hours					
Configuration	Reserved Licenses @	10	but at least 0 % o	f total licenses				
Diagnostics	Per Product Settings	Configure						
		Submit	Cancel Set Default	s				
	© 2021 Thales Group. All Rights Reserve	EnglishDeutsc	h Español Français Italiano	日 本 Русский 中 文	Ru	n-time Installer	8 21.116380	1
ACC Detach license tab								

Configure Detach tool

The tool has to be configured on the workstation

Open Reqedit\AddOn\Lm\ReqEditLm.exe.config

→ * ↑	> This	PC > System (C:) > ReqRdit > ReqEdit	217 → AddOn → Lm		~	Ö	Search Lm		
		Name	Date modified	Туре	Size				
🖈 Quick access		de-DE	12/7/2021 11:58 AM	File folder					
Desktop	#	apidsp_windows.dll	10/26/2021 5:22 PM	Application exten		193 KB			
Downloads	#	apidsp_windows_x64.dll	10/26/2021 5:22 PM	Application exten		273 KB			
B Documents	*	config.dat	12/9/2021 2:43 PM	DAT File		1 KB			
Pictures	*	hasp net windows.dll	10/26/2021 2:43 PM	Application exten		123 KB			
terms including	*	hasp_net_windows.dii	7/6/2021 12:52 PM	Application exten		974 KB			
Lm		hasp_windows_113498.dll	10/26/2021 5:23 PM	Application exten		,116 KB			
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Music		haspvlib_113498.dll	10/26/2021 5:22 PM	Application exten		653 KB			
Videos		logo	8/6/2020 2:55 PM	PNG File		14 KB			
OneDrive		ReqEditLm	10/31/2021 4:18 PM	Application		205 KB			
OneDrive		ReqEditLm.exe.config	12/10/2021 2:03 PM	CONFIG File	4	3 KB			
This PC		ReqEditShared.dll	10/31/2021 4:18 PM	Application exten		127 KB			
Network		sntl_adminapi_net_windows.dll	4/10/2021 11:11 AM	Application exten		39 KB			
Network		sntl_adminapi_windows.dll	4/10/2021 11:11 AM	Application exten		211 KB			
		snt_adminapi_windows.ull	4/10/2021 11:11 AM	Application exten		362 KB			
		WpfControls.dll	10/31/2021 4:18 PM	A STREET STREET STREET STREET		26 KB			
		wprcontrois.dii	10/31/2021 4:18 PM	Application exten		20 KB			

Set server address to the ACC server

serverAddress - 10.0.0.10 or the FQDN like: server.localdomain.local



Generate config.dat

reqeditlm.exe -pass password -out config.dat

password - the access password for ACC server (that was set in the previous steps) outfile - config.dat the file that will be used in the config xml

NOTE: If you want to use different out file please update the xml to use that

To use the Detach Tool please open Users Guide

License Updates

If your license is arriving the expire date or even some days before we will provide you an update key (file ending .V2C) and you request a new one.

A. You do not have a license manager installed (no ACC)

You need to activate this license with your "LicenseActivation" tool from ReqEdit client. Select offline activation and press the "Activate" button and select the V2C File to update your license.

🔇 License acti	vator				X
Online Activation	Offline Activation	License info			
License reques		 First install Update]		
		Generate			
License activat	ion				
2. License Res	ponse (V2C)	Activate			
V2C output					
			Close	Cancel	1
			Ciode	Carloci	

At an online workstation login with Product key at the Sentinel EMS Customer portal

https://license.regteam.com/ems/login.html

omer Portal Login	License Update
mer Portal Login	License Opdate
roduct Key:	
Login	
ct Key:	2

Sentinel EMS Login

Choose Offline Activation tab. A new window appears.

In the Generate License window upload the saved C2V file.

Then click Generate.

enerate License	e			\times	Online Activation Offline Activation
der Details					b.horvath@innov
roduct Key:					
ustomer:	Botond Horvath	E-mail:	b.horvath@innov		
ctivations:	Unlimited	Remaining Activations:	Unlimited		Unlimited
tef ID 1:		Ref ID 2:			true
ntitlement comments:					
roducts:	Product		Lock Type		
	Ultimate User Licens	e 10/2021	SL-UserMode		
	Download RUS, a to	ol to generate C2V			
bload C2V					
pload C2V:	Test_Offline_Activation.c2v		-		
omments:					

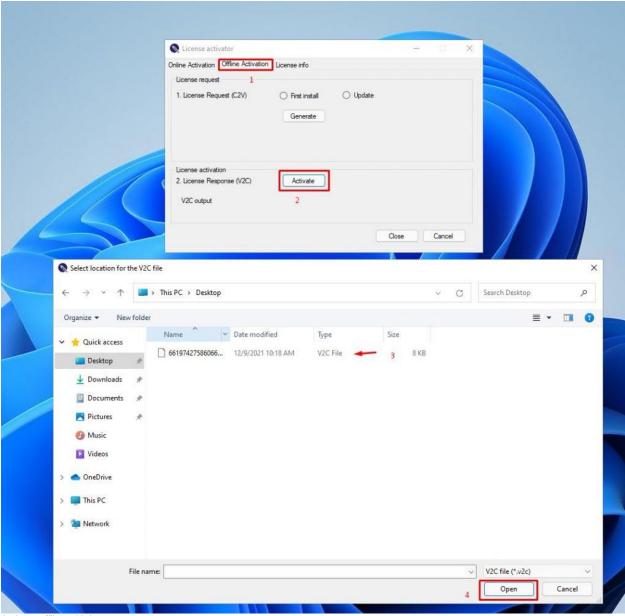
Uploading the .c2v file

The Key ID. appears

Download the V2C file

y ID	Lock Type	Activation Date	Comments	Download
	SL-UserMode	2021-12-09		V2C File

Go to the License Activator window and press Activate button



Activate offline with key

In the Browser window select V2C file

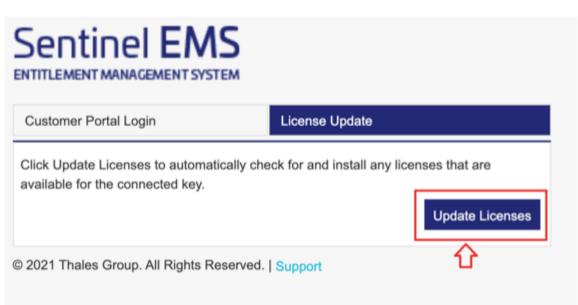
Press Open

Inline Activation	Offline Activation	License info				
License reques	st					
1. License Rec	quest <mark>(</mark> C2V)	O First install	O Update			
		Generate				
		op\Test_Offline_Activa		Please	e upload	this fil
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https://licens Please use y	se.reqteam.com/er our product key as tion	ms/customerLogin.html		Please	e upload	this fil
https://licens Please use y License activa 2. License Res	se.reqteam.com/er our product key as tion	ns/customerLogin.html i login		Please	e upload	this fil
https://licens Please use y License activa 2. License Res	se.reqteam.com/er our product key as tion sponse (V2C)	ns/customerLogin.html i login		Please	e upload	this fi

Open ReqEdit and start working with it.

B. You have a license manager installed and you don't have a V2C file

Alternatively you can update automatically if you have installed a license server (Admin Control Center in the minimum version 8.31) on the computer that holds the license. You need to open the url <u>https://license.reqteam.com/ems/customerLogin.html</u> on this computer and click license update.



EMS Login

C. You have a license manager installed, but with no or restricted internet acces

Login to Sentinel EMS Customer Portal. Open the

url <u>https://license.reqteam.com/ems/customerLogin.html</u> and enter Product Key.

Product Key:	

$\leftrightarrow \rightarrow 0$ (1)	localhost:1947/_int_/	devices.ht	ml						50	₹^≡	Ē	۲	
Sentinel Adn	nin Contro	l Cen	iter									? H	lelp
	Sentine	el Keys	Host Name: win	ISTV-2022									
Sentinel Keys	Location	Vendor	Key ID	Кеу Туре	Configuration	Version	Sessions	Actions					
Products	Local	113498 (113498)		HASP SL AdminMode		8.32		[Products] [Features]	Sessions	Certific	ates 🛓	C2V	
Features													

Upload the C2V file to Sentinel EMS. Press Generate for generating v2c file.

enerate License	9		×	Online Activation Offline Activation
Order Details				b.horvath@innov
Product Key: Customer: Activations: Ref ID 1: Entitlement Comments:	Botond Horvath Unlimited	E-mail: Remaining Activations: Ref ID 2:	b.horvath@innov Unlimited	- Unlimited true
Products:	Product Ultimate User Licens Download RUS, a to		Lock Type SL-UserMode	
Jpload C2V				
Upload C2V: Comments:	Test_Offline_Activation.c2v	-	-	
				ntinel EMS for Sentinel LDK v8.2 (Patch Version: 7/2

Download the generated V2C file.

01.11-11-11	2024 42 62	LIDO TH
SL-UserMode	2021-12-09	V2C File

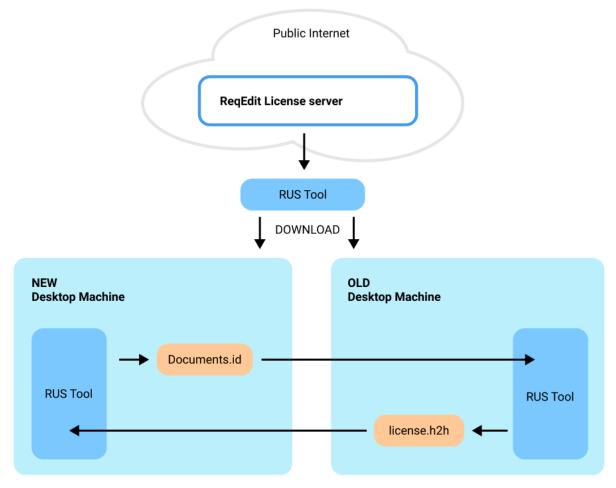
Download V2C file

Upload the generated .v2c file to your local server ACC in the menu "Update/Attach".

Select File: roducts eatures essions pdate/Attach ccess Log		Update/Attac	h License Host Name: win-newdev	
eatures Gessions Jobate/Attach Attach Configuration	Sentinel Keys Products	Select File:		Select File, @
	ossions			
onfiguration	cess Log			
	onfiguration			

Transfering License

To transfer an user license from an old PC to a new PC you need the RUS tool on both PCs.



License transfer diagram between two machines

Download RUS Tool

You can download it from our customer area:

https://license.regteam.com/ems/customerLogin.html

For login you need to enter your product key, use the key you already used for activation.

After login you click on **Offline Activation** button and **download the RUS tool**.

enerate License				Online Activation Offline Activation
Order Details				b.horvath@innov
Product Key: Customer: Activations: Ref ID 1: Entitlement Comments:	Botond Horvath Unlimited	E-mail: Remaining Activations: Ref ID 2:	b.horvath@innov Unlimited	- Unlimited true
Products:	Product Ultimate User Licens Download RUS, a to		Lock Type SL-UserMode	
Jpload C2V				
Upload C2V: Comments:				
				tinel EMS for Sentinel LDK v8.2 (Patch Version: 7/2

Generate ID file

IF YOU USE ACC (LICENSE SERVER)

For transfering License from a Network license server to another , you need to have a Rehostable license.

Open ACC on the new server to generate the ID file

Go to Diagnostics of your license server and click on "Create ID file" button on the top right of the page

Sentinel Admin Control Center

	Diagnostics Host Name: win11-pc	
Sentinel Keys	License Manager Version	26.0 Build 123582
Products	Computer Name Host Operating System	
Features	Protocols	
Sessions	License Storage	Secure, Schema 1 Unknown
	Authorized Vendor IDs	N/A
Update/Attach	Uptime Template Sets	3 hours 50 minutes 55 seconds, local time 2022-04-05 14:11:25
	Current Template	_int_,de.17.0.alp,es.17.0.alp,fr.17.0.alp,it.17.0.alp,ia.17.0.alp,ru.17.0.alp,rb.CN.17.0.alp English 17 (30 September 2021 Build 1)
Access Log	Current remplate	English 17 (50 September 2021 Build 1)
1 100000 2003	Current Usage	0 logins, 0 sessions
	Login Requests	0 (0 peak simultaneous logins)
Configuration	Requests	349 local, 15 remote, 364 total
	Data Volume	3,445,635 received, 5,661,447 transmitted
Diagnostics	Errors	0 Key related, 0 in Transport
	Threads	1 (7 peak), 0 req/sec, 0.0 ms 90th, 0% usage
	Storage	0 reg/sec, 0.0 ms 90th, 0% usage
	Memory Used	8,847,649 (4,417 blocks)
	Run-time	Run-time Installer 8.31 Run-time Package 8.31
		Generate Report
	© 2021 Thales Group. All Rights Reserved.	English Deutsch Español Français Italiano 日本語 Русский 中文

Generate ID file for license transfer

Save the file generated.

IF YOU DON'T USE ACC (LICENSE SERVER)

Execute the RUS tool on the new PC, where you want to have the license transferred. Select the **Transfer License** tab. Please press on the **[...]** button to select the location and choose a name for the Recipient Information ID file (the name of the file is not important).

Press **Collect and Save Information** to generate the file. If the process was successful, you will get a confirmation window.

Generate the license transfer file	Save Information
Generate the license transfer file	Save Information
Generate the license transfer file	Save Information
Step 2: On the computer that currently contains the license (the "source com the license to transfer, read the recipient information file and generate a licen	
Key Type Key ID Products	
Key type Key to Products	
Read the recipient information file from	
Read the recipient information file from	

Generate ID file

Copy the generated Recipient ID file to the old PC, where the active license is.

Please do not close the RUS tool on the new PC, we need it for later.

Generate license transfer file

Run the RUS tool on the OLD PC.

Select the **Transfer License** tab. Check if your license is transferable, it has to be listed in the license list.

Note: If the license is **not** transferable you need to contact the REQTEAM support team to initiate a manual transfer.

Note: if you use ACC you need to have Rehostable license.

Location	Vendor	Key ID	Кеу Туре		Configuration	Version	Sessions	Actions
Local			HASP SL AdminMode Rehostable	J		8.32	1	Products Features Sessions Certificates

Rehostable license icon for ACC user

Select the license you want to transfer from the list

Select the Recipient Information ID file copied from the NEW PC.

Select the destination of the Transfer License File, by selecting the [...] button. Press **Generate License Transfer File** button.

The .h2h file needs to be copied to the NEW PC.

ollect Status Informa			Transfer Lio				
	cense from one com mputer, select the T						tep
Collect information a	•						
Step 1: On the com collect and save info			ister the licer	nse (the 1	recipient c	computer")),
Save recipient infor	rmation to						
				Collect a	and Save I	informatio	n
Generate the license	e transfer file						
Step 2: On the com the license to transf							
		1					٦
Кеу Туре	Key ID		Products				
Кеу Туре	Key ID		Products Premium U	ltimate		<	
Key Type	Key ID			ltimate			<
		C:\Users\			p_PC.id		<
Key Type Read the recipient i Generate the license	nformation file from		Premium U	ds\Wirking			

Generate license transfer file

You can close the RUS tool on the OLD PC.

Activate license transfer file

IF YOU USE AN ACC (LICENSE SERVER)

Upload the generated H2H file in your new ACC in the menu "Update/Attach".

bentinel Adri	nin Control C Update/Att	tach License Host Name: winsrv-2022
Sentinel Keys Products Features Sessions	Select File:	File Format: V2C, V2CP, H2R, R2H, H2H or ID file
Jpdate/Attach		
Access Log		
Configuration		
Diagnostics		
ach the h2h transfer	license file	

IF YOU DON'T USE ACC (LICENSE SERVER)

On the NEW PC in the RUS tool select Apply License File.

Press the [...] button to select the .h2h transfer license file and press Apply License.

The output should look similar to the screenshot.

Rehosted			
source_host win-ne recipient_hostdeskto rehost_time Fri Oct vendor 113498 vendor_id 113498 hasp_id 5744539	p-win10-dev 22, 13:16:43 UTC		

Transfer successfull

Licence update without a licence manager installed (no ACC)

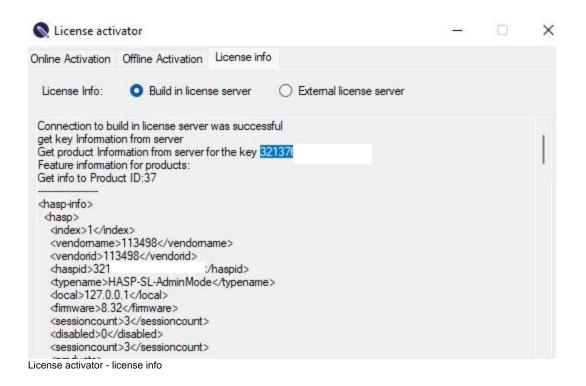
Use case:

License update in case of no license manager installed and more than one PC with ReqEdit installed. The firm becomes the necessary .v2c files for license updating from REQTEAM, conform the license IDs. Each .v2c file is for the PC with the same KeyID.

1. Find the KeyID info.

In File ReqEdit/LicenseActivation.exe.config change settings to ForceStart.

Than click on **Reqedit / LicenseActivation.exe** On the **License info** Tab you can find the Key ID of the certain PC



2. From the .v2c files that REQTEAM sent to you choose the one with the same KeyID numbers.

3. Go to LicenseActivator and click on the button Activate.

	License activator Online Activation Offline Activation License info License request	-	×		
	1. License Request (C2V) O First Install Generate	O Update			
	License activation 2. License Response (V2C) V2C output 2				
5		Close	Cancel		
Select location for the V2C fil	e				
$\leftarrow \rightarrow \cdot \uparrow \blacksquare$	This PC > Desktop		~ C	Search Desktop)
Organize 👻 New folder				≣ •	
	Name Date modified Type	Size			
🗩 👻 👷 Quick access 👘					
	66197427586066 12/9/2021 10:18 AM V2C File	e 👉 3 8	KB		
	66197427586066 12/9/2021 10:18 AM V2C File	e 👉 3 8	КВ		
🔚 Desktop 🛷	66197427586066 12/9/2021 10:18 AM V2C File	e 🗕 3 8	KB		
E Desktop *	66197427586066 12/9/2021 10:18 AM V2C Fil	e 🔶 3 8	КВ		
I Desktop ↓ Downloads Documents ◆	66197427586066 12/9/2021 10:18 AM V2C Fil	e 🔶 3 8	KB		
E Desktop	66197427586066 12/9/2021 10:18 AM V2C Fil	e 🔶 3 8	KB		
 Desktop Downloads Documents Pictures Music 	66197427586066 12/9/2021 10:18 AM V2C Fil	e 🔶 3 8	КВ		
 Desktop * Downloads * Documents * Pictures * Music Videos 	66197427586066 12/9/2021 10:18 AM V2C Fi	e 🕳 3 8	KB		
 □ Desktop ↓ Downloads □ Documents ○ Pictures ○ Music ○ Videos > ● OneDrive 	66197427586066 12/9/2021 10:18 AM V2C Fi	e 🔶 3 8	KB		

Update license process through offline activation

Choose the .v2c file for that PC.

Click Open

nline Activation	Offline Activation	n License info				
License reques	st					
1. License Rec	quest (C2V)	O First install	🔿 Update			
		Generate				
https://licens Please use y	se.reqteam.com/er our product key as	op\Test_Offline_Activa ns/customerLogin.html s login		lease u	ipload t	this fil
https://licens	se reqteam.com/er our product key as tion	ms/customerLogin.html		lease u	ipload t	this fil
https://licens Please use y License activa 2. License Res	se reqteam.com/er our product key as tion	ns/customerLogin.html s login		lease u	ipload t	this fil
https://licens Please use y License activa 2. License Res	se reqteam.com/er our product key as tion sponse (V2C)	ns/customerLogin.html s login		lease u	ıpload 1	this fil

ReqEdit downgrading functionality

The ReqEdit Premium license can be functionally downgraded to a Basic or Reader license. This requires the delivery of a special software which contains a special "config.svk" file. This file determines the restriction of Premium functions to Basic or Reader.

To obtain these deliveries please ask your ReqEdit sales partner or the REQTEAM support.

Add "config.svk" to the delivery

- 1. Create a new folder for ReqEdit.
- 2. Install ReqEdit Premium in this folder.
- 3. Copy the file "config.svk" in the folder.
- 4. Make sure the user cannot edit the folder.

Links

What are links?

Relation between objects are called links. Each object can have incoming and outgoing links to / from other objects.

In ReqIF files links are stored in named LinkSet definitions which basically are a group of specific links between objects.

For example: Satisfies LinkSet has links that are between objects of use cases and tehnical definitions

How links are displayed in ReqEdit?

If an object contains links, a link symbol and arrows indicating the link type are displayed inside the status indicator column. The red arrow indicates an incoming link and the green arrow indicates an outgoing link. If an object contains both types of links, both types of arrows are displayed.

	Main Column					
2.2	Introduction					
8	User requirement	s				
	2 - Define Gra	p	hics			
2	2.1 - Bound Conte	ex	t			
			Copy row			
_		to	Cut row			
	2.2 - Relate / Cor		Paste row	•		
	-	41	Copy ReqIF ID			
			Insert row before Insert row after			
		क् सि	Insert child row			
	2.3 - Show Trans	-	Mark row as deleted	10		
	2.5 Show Huns	2	Restore soft deleted row			
			Purge selected row			
			Set default value			
	2.4 - Show Circur		Promote			
				-0		
		2	Expand IBM DOORS Table			
		CG	Add link Add external link			
	0 D 111 D		Edit external links			
	3 - Build Diag	es	Delete link			
		R	Go to links	×	2	Go to target: User requirements
					Ð	Go to source: Introduction

ReqEdit displaying context menu for an object with links

Go to links

To follow a link to its destination or source, you have to perform a right click on the object row and go to the "Go to links" menu item. A submenu will open and dispaly the available links. A submenu item contains a symbol for incoming or outgoing link and according text "Go to source" or "Go to target" and also the object text (in case there is any available) or the ReqIF ID of the source or target object.

A link can be incoming from or outgoing to an object from the same document but also to another document. When clicking on a link in the submenu, the linked item will be selected and displayed on the first row in the grid. If the linked object is contained in another document, the program will automatically switch to the document's tab and select the linked object. If the document containing the linked object is not opened in ReqEdit, the program will ask if you want to open it.

NOTE: Currently we only support links between objects inside the same ReqIF file. If an object contains a link to another ReqIF file, the text "The target is placed in an outer file..." will be displayed in the links menu.

Links administration

The link administration tab can be accessed from the "Document Settings" window.

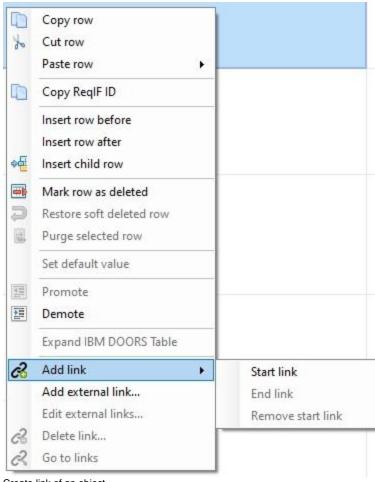
🔇 Document Setti	ngs				- 🗆 X
Creation tool:	ReqEdit				
Source Tool	ReqEdit				
Number of documents	c 1				
Conversation ID:					Generate ID
Documents:	Test file for import excel				~
Display as heading:		Display as description:		Display as tex	t:
RegIF.ChapterName	E.	✓ RegIF.Name		✓ ReqIF.Text	~
Link sets:	ReqEdit Links		~	Related link de	etails:
Identifier:	_639d1d4-3db4-4272-ab36-	daad6dfae86f		Identifier:	_b7bdf95-f6e3-4216-b146-3c5aa7ae
Last change:	2023-03-07T11:57:51+02:0)		Last change:	2023-03-07T11:57:51+02:00
Link set name:	ReqEdit Links]	Link name:	Link 1
Description:	Link module created automatical	y by ReqEdit		Description:	
Source document:	Test file for import excel			Source object ID:	_6be2293-5238-4ed5-8eab-f5c0f7bb
Target document:	Test file for import excel			Name:	Agreed
Related links:		2		Target object ID:	_aa0f7bf-5895-43b4-8095-e05edc9a
Identifier		Link name		Name:	Agreed
_b7bdf95-f6e3	-4216-b146-3c5aa7ae1	Link 1			
	e-4c56-b96c-9bf382242			Link type ID:	
_16b720d-8dd	d-43a1-b93c-8a577ff94	Link 3		Name:	
_07bcf53-5494	I-4a3e-b193-95299939	Link 4			
10					
					Save Cancel

ReqEdit link settings window

In this section, all link sets related to the selected document can be viewed and administrated. You can change the link set name and description and also edit each individual link's name and description related to that link set.

Add links

In order to create a new link, first you have to create a "start link" by right clicking on an object and then going to the "Add link" menu and clicking on "Start link" in the submenu.



Create link of an object

After creating the start link, an icon will appear in the status column of the source object.

The next step is choosing a target object for the link. You can do this by right clicking on an object and selecting "End link" from the "Add link" submenu.

Next, you can add links to some other objects starting from your source object, by repeating the last step. After you added all your links from the source object, you can click on the "Remove start link" menu item from the "Add link" submenu. After removing the start link, you can add a new one to another object.

External Links

ReqEdit offers you the possibility to store external links in your ReqIF document. This can be either an OSLC or a Web URL. Please select in the row you want to link and use the right mouse click to open the related menu and select the entry "Add external link". After selection, you will see this input dialog.

You can define with the long name a display name for the link. In the field URL please enter a valid URI (including protocol prefix like http://). The field link type is optional, and should be used to classify links (like derives, implements).

For the link direction, you can choose between INWARDS and OUTWARDS. The selection has no impact on the function, it is just a semantic. The field technology determines how the link is intended to be open. Currently all links will be opened with your default browser.

You can add an additional description to the link as well. If you now press "Save" button, you will see the link in the Go to links menu with the selected name. If you don't define a name the URI will be displayed.

If you want to edit the external link, than please select in the right click menu the entry "Edit external links" and select the link you want to edit:

If you click on the edit button, then you will get the same dialog described before. Here you can edit all the properties of the external link.

Please take in consideration, that this feature is not implemented currently by all tools, that support ReqIF. This information may get lost if you import the ReqIF file generated by ReqEdit to other tools, that not support this feature.

Delete Links

In order to delete a link, you have to right click on an object that contains one or more links and go to the "Delete link..." menu item. After clicking it, a window containing all links of the object will be displayed.

Only outgoing links can be deleted from an object. If you want to delete an incoming link, you have to delete it from the source object.

For deleting outgoing links you have to select them by clicking on the checkbox at the beginning of the rows and click on the "Delete" button afterwards.

Incoming links have a grey background and cannot be selected.

Error reporting

Crash reports

When a fatal crash happens, ReqEdit tries to collect non sensitive information about the situation. A notification asks to send the crash report to REQTEAM ticketing system for analysis.

S Error report				2
ReqEdit has	encountered a p	problem and needs to	be closed.	
Please send the	error report to the Rea	Edit Support Team and we wi	I fix the problem as :	soon as possible
The error report of		content from your documents, j		

ReqEdit fatal crash popup window

Contact support

For any questions use the documentation platform <u>https://documentation.regteam.com</u>.

Or contact ReqEdit Support for assistance through email to: support@reqteam.com.

Notices and Limitations

Specification document naming

Document names can only contain alphanumeric, space, period, underscore, hyphens characters.

Logging

ReqEdit is producing a non-sensitive action log (does not contain actual values only action names) of each opened document.

The log files can be found here %AppData%\..\Local\ReqEdit\ReqEdit\Logger

The log file is really helpful for analysis when ReqEdit crashes.

OLE Objects

OLE was is a proprietary technology developed by Microsoft that allows embedding and linking to documents and other objects.

Only ReqIF Archive .reqifz files support this feature

Import large OLE Files in ReqEdit

In some cases memory limitations will limit the OLE object conversion, in this case the OLE object will be wrapped inside an RTF file. Opening the OLE objects will only be possible through MS Word.

For any OLE conversion ReqEdit needs the memory 20 times the size of the OLE object.

Import large OLE Files to DOORS

Exported files that have OLE objects larger than 40-45MB cannot be imported into IBM DOORS that is connected to IBM DOORS server 9.5.

Preview

ReqEdit is not able to generate preview images during imports or if they are directly added in the application. A file-type icon will be displayed instead.

Handling

Atego Requirements Synchronizer version 2.4 and IBM Rational DOORS 9.5.2. OLE objects can be imported and opened by ReqEdit.

DOORS roundtrip

- Export always to an empty directory then archive only the contents of this directory to a zip file
- Check if the ReqIF file and all of the OLE objects are in the root folder of the archive
- Rename the file to .reqifz
- Import this file to ReqEdit
- Edit the file
- Export the file to to IBM Rational DOORS

Import to DOORS 9.4

Extract the ReqEdit exported file to an empty directory before importing to DOORS

If exports are done directly by IBM Rational DOORS, in most of the cases DOORS will not make the preview images. Only a small broken link icon is displayed as a preview image, but the linked OLE object still exists in the export.

Don't delete the broken image icons, it is important for the linked OLE object.

Copy / Paste

Copy-paste from external sources will try to keep all formatting from the text.

Image or file copy-paste is partially supported. Drag & Drop of images from external applications like browsers are not supported.

Copy and paste of complex tables may occur problems with ReqEdit.

Limitation of entire function of copy paste on Windows Servers, because of limitation of the Internet Explorer on the server. For detailed description of limitations <u>click here</u>.

Open and save files from ReqEdit Add-ons

The limitation can affect all ReqEdit Add-ons (Excel import, View manager, Compare, XML Editor) where it can not open or save files from / to a network share, which is connected with other user credentials, than the Windows current user.

For detailed description of limitations in the Excel importer Add-on click here.

Add-on for Weak-word analysis

Weak words are words that are confusing for readers and should be avoided if possible. This tool provides a case insensitive whole word search for this purpose, optionally writing the results back in the ReqIF file.

Analyze weak words

Start ReqEdit and open any ReqIF file. Select the specification document that needs to be analyzed. Select **Add-ons > Weak Word Analysis.**

Weak Word Analysis Settings			-		
Analysis settings					
Select dictionary	Deutsch ~				
Save status to attribute Write status	Select status attribute	Weak Word Analysis	~		
	Set value on match	Found	~		
	Set value on no match	Not found	\sim		
Write match information to attribute —					
✓ Write match log	Select log attribute	Strong WWF	\sim		
		🗹 Log 'no match'			
		Overwrite value			
Help		Execute analysis		Cancel	

ReqEdit Weak Word Analysis tool window

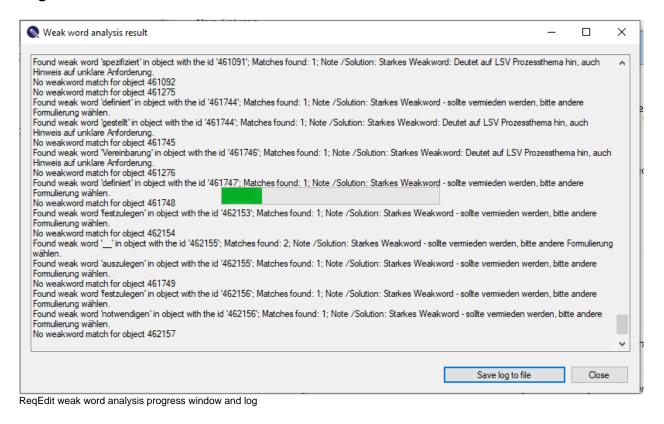
Language selector – displays the configured dictionaries from the ReqEdit.exe.config file

Write status – update a specific enumeration attribute if there is or not a match in the dictionary

NOTE: Write status for multi value enums will add the selected value, existing values will not be removed. This can be useful for status fields that are used for other markings as well.

Write match log – update an XHTML attribute with the analysis result, optionally overwriting the contents in the selected attribute

Log "no match" - write in the attribute when no match is found



Analysis progress and log is displayed in real-time. After completion the log output can be saved as a file with **[Save log to file]** button

Analysis result in ReqIF

When **Write match log** is enabled, the ReqIF file will be updated with the current results of the analysis.

ain Column	Strong WWF
based on Volere Requirements Specification Template Edition 15—March 2020	2021.09.15 12:41: No weakword match for this object.
Volere is the result of many years of practice, consulting, and research in requirements engineering and business analysis. We have packaged our experience in the form of a generic requirements process, requirements training, requirements consultancy, requirements audits, a variety of downloadable guides and articles, and this requirements template. We also provide requirements specification-writing services. The first edition of the Volere Requirements Specification Template was released in 1995. Since then, organizations from all over the world have saved time and money by using the template as the basis for discovering, organizing, and communicating their requirements. The Volere web site www.volere.co.uk contains articles about the Volere techniques,	2021.09.15 12:41: found ' also ' in main column 1 times. Note /Solution: Strong Weakword - should be avoided, please choose another wording
1 - Project Drivers	2021.09.15 12:41: No weakword match for this object.
1.1 - The Purpose of the Project Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet cita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet dita kasd gubergren, no sea	2021.09.15 12:41: No weakword match for this object.
takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet dita kasd gubergren, no sea takimata sanctus est <i>Lorem ipsum dolor sit amet</i> .	

Weak word analysis tool result attribute on the right side

Expert knowledge

Dictionary

Dictionary file/s must be created in the **ReqEdit/Dictionary** folder and has to follow the following format:

<Lowercase word><TAB><hint>

```
should Strong Weakword; should be avoided, please choose
another wording.
about Strong Weakword; should be avoided, please choose
another wording.
```

Only one word per row.

NOTE: If the hint is not present the analysis still works but the report will be empty for it.

Dictionary config

Edit ReqEdit.exe.config and set the WeakWordList to use the dictionary files

```
<setting name="WeakWordList" serializeAs="String">
```

<value>Deutsch,weakword_list_de.txt;English,weakword_list_en.txt< /value> </setting> There must be at least one dictionary to use the tool. The dictionary should be saved in a text file with UTF-8 encoding.

Only Main Column is used for analysis other attributes are not processed.

Dictionary contents is filtered and only unique word+hint pairs are used.

The tool is searching only for whole words in the Main Column contents.

The search is **case insensitive** regex search.

All text is converted to lowercase internally and matched with the lowercase weak words.

Weak word	Text	Result
go	I will GO TO THE office then go home	2 Found
go	John goes to the office	Not found

Status updates

Single value enumeration attributes will have the value from the configuration.

Multi value enumeration attributes will receive the configured values, but the previous values will not be removed from it.

Notices and limitations

If the weak word add-on menu is not active it can have several reasons:

- You do not have the necessary license
- There are no ReqIF files opened
- ReqEdit.exe.config is not configured

The tool was tested in UTF-8 character encoding, using other encodings can produce unintended results.

Excel importer add-on

Convert a single MS Excel file with **XLSX** extension to a ReqIF Archive file (.xlsx to .reqifz)

Usage

Start the Excel Importer add-on by selecting **Add-ons > Excel add-on**.

Excel File	\\WINS	RV-2022\Sto	orage\Test	Folder Access\Me	elinda \MELINDA General \	Test Select		Help
eet Configuration	F 11							
		et preview						
Step 1: Sheet se	election			Messages				
SHEET 1			~					
🗌 Ignore Shee	t							
Step 2: Set hea	der row							
Header Row 1	Number	1 🖨		Reset messages	display Open log	directory		
	Row	Column		Step 3: Configure	attributes			
000000	2	1 🖨		Column	Name	Ignore column	Data type	Refrence
To	39 🜲	20		▶ 1	Hierarchy ID		Integer	× 1
		Set value		2	Unique ID		Integer	- 1
Step 4: Set mair		-ti1)		3	Object RegIF ID		Text	cf32d3f-86dd-4f.
1000 100 100 100			-	4	RegIF.ChapterName		Text	-
ChapterName	•	`	-	5	RegIF.Text		Text	~
Level ID (opt) <none></none>	e: 8		6	RegIF.Name		Text	V Name 1
Text	[²		7	7	Comment		Text	-
			-	8	Formulas		Text	/
Step 5: Set id fie	eld (optiona	l)		9	RegEditID		Integer	20
Enable ro	und trip			10	ReqEdit ModifiedOn		Date	27.04.2022 17:4
ID Field			a	11	ReqEditModifiedBy	0	Text	- Melinda
				1				
					L	.oad config S	ave config	Import Close

Sheet Configuration tab

Step 1. Sheet selection

display the specific sheet to configure, check Ignore Sheet to skip conversion

Step 2. Set header row

select a header row that represent the attributes (table header)

Set import data range

Set the first and last cell coordinate of the converted worksheet section

- Row is row in the excel sheet (1-1048576)
- Column represents the number of column in the excel spreadsheet (A=1, B=2... XFD=16384)

					test file for import 15.35.xlsx	Select			
t Configuration	Excel she	et preview							
Step 1: Sheet sele	ection		Me	ssages					
Sheet1 ~									
🗌 Ignore Sheet									
Step 2: Set heade	er row -								
Header Row Nu	mber	1 🜲	Re	eset messages	display Open log direc	tory			
	Row		Ster	p 3: Configure a	attributes				
From 2	ŀ	Column		Column	Name	Ignore column	Data type	Refrence	1
To 3	9 ≑	20 🜲	•	1	Hierarchy ID		Integer	/ 1	
		Set value		2	Unique ID			> 1	
				3	Object RegIF ID		Text	cf32d3f-86dd-4f.	
Step 4: Set main (<u>1 </u>		4	RegIF.ChapterName		Text	/	
ChapterName	ReqIF.(ChapterNar \sim		5	RegIF.Text		Text	1	
Level ID (opt.)	1	~		6	RegIF.Name		Text	Name 1	
Text	<none: Hierarc</none: 			7	Comment		Text		
(one	Unique	ID		8	Formulas		Text	/	÷
Step 5: Set id field	RegEdi	No. of Concession, Name		9	RegEditID		Integer	20	8
Enable rou				10	ReqEditModifiedOn		Date	27.04.2022 17:4	
ID Field		~		11	ReqEditModifiedBy		Text	- Melinda	

Step 3. Configure Attributes (center)

Column represents the number of column in the excel spreadsheet (A=1, B=2... XFD=16384)

Name represent the Header Row Number from the Set header row section,

To **ignore a column** from import check the box near

Data type. Tool will try to guess the data types automatically based on the data type of the first row of the import range.

- **Boolean** true/false type values
- Integer whole numbers
- **Real** decimal numbers
- Date date format
- String single line text, no formatting
- **Text** multi line text with formatting
- Enumeration values can be one or more of a fixed set of values in all the rows in a sheet. Single value if no separator is found. Multi value if separator is found [, ; newline]. The conversion will combine all values found in all the rows within a single sheet so it can be memory intensive if overused

Note: if the conversion is taking long use Integer (instead of Real) and String (instead of Text types)

For date type it is possible to define a default date, if date is not set in the Excel cell. To set the Default date please edit "ExcelImport.exe.config" in AddOns/Excel folder. Set the config value "DefaultDate" to the date you want (format YYYY-MM-DD) and set the EnableDefaultDate to "True".

Reference Shows the first data from the table

Step 4. Set main column

et Configuration	Excel shee	t preview							
Step 1: Sheet			Mess	ages					
Sheet1		~							
Ignore Sh	eet								
Step 2: Set h		1	Res	et messages (display Open log direc	ctory			
From	Row 2	Column 1	Step	3: Configure a	attributes Name	Ignore	Data type	Refrence	
То	39 🜲	20 🜲		1	Hierarchy ID	column	Integer	1	
		Set value	1	2	Unique ID		Integer	1	
				3	Object RegIF ID		1985 100 100 10	<pre></pre>	
Step 4: Set m	ain column (op	otional)		4	RegIF.ChapterName			~	
ChapterNa	me RegIF.C	hapterNar 🗸		5	RegIF.Text			~	
Level ID (o	pt.)	~		6	RegIF.Name		Text	V Name 1	1
Text	<none> Hierarch</none>			7	Comment		Text	~	
TOAL	Unique I	Ď		8	Formulas		Text	~	
Sen 5: Set in	RegEdit			9	RegEditID		Integer	20	
C Eastela	round trip			10	ReqEditModifiedOn			~ 27.04.2022 17:4	
Endule		\sim		11	ReqEditModifiedBy		Text	∨ Melinda	

Set the type of ReqIF attribute of the imported excel data in the main column

- ReqIF.ChapterName
- Level ID
- ReqIF.Text

Step 5. Set ID field

Step 1: Sheet selection	sheet preview								
SHEET 1	1								
Carriero 1		Mess	ages						
	SHEET 1		16:33:11 - Roundtrip is enabled: True 16:33:08 - Configuration saved to \\WINSRV-2022\Storage\Test Folder Access\Melinda \MELINDA General\Test folder Excel import\Config_Excel test file for import 25.07.xml						
Ignore Sheet	MEL								
Step 2: Set header row	0								
Header Row Number	1 🐳	Rese	et messages (display Open log dire	ctory				
Row	Column	Step	3: Configure a	attributes					
From 2			Column	Name	Ignore column	Data type	Refrence		
To 39	20 🜩	•	1	Hierarchy ID		Integer	~ 1		
	Set value		2	Unique ID		Integer	~ 1		
Step 4: Set main colum	n (ontional)		3	Object ReqIF ID		Text			
			4	RegIF.ChapterName		Text	~		
ChapterName	~		5	RegIF.Text		Text	~		
Level ID (opt.) <no< td=""><td>one> 🗸</td><td></td><td>6</td><td>RegIF.Name</td><td></td><td>Text</td><td>V Name 1</td></no<>	one> 🗸		6	RegIF.Name		Text	V Name 1		
Text	~		7	Comment		Text	~		
_			8	Formulas		Text	~		
Step 5: Set id field (opt	ional)		9	ReqEditID		Integer	~ 20		
Enable round tri			10	ReqEditModifiedOn		Date	27.04.2022 17:4		
ID Field	~		11	ReqEditModifiedBy		Text	√ Melinda		
		_							

To enable round trip, Save first config file

To enable Excel - ReqIF round trip, use Save config and save the config file on your computer.

To reimport an Excel document you click on **Load config** with the saved Config file from the previously saved.

You must select an ID field from the Excel file, if the section is active. The data type of ID Field must be Integer.

Note: The ID cell must have unique value on each excel workbook, to be possible automatically identification of the specific data row.

Details on the roundtrip: the activation of the Roundtrip configuration forces the application to use the stored ReqIF-IDs in the configuration file during the reimport of a "known" Excel file. So the resulting ReqIF file will have identical IDs for all attributes and data rows. ReqEdit ReqIF compare will be possible this way and also the import in an external RE tool will update existing content instead of recreating it. Not activating this optional functionality, the new ReqIF file will be generated with new randomly generated IDs.

Configuration reuse

The tool lets the user save file conversion configurations and reuse them later. This is done with the **SAVE / LOAD CONFIG** buttons.

Preview

Preview the data range of each sheet with the configured header row by pressing the **EXCEL SHEET PREVIEW** tab.

Best practice

Use the preview to check import settings periodically, the list can be adjusted to show the start or the end of the range and also the number of the preview rows.

Excel	File C:\	Users\zhgab\Download	ls\Financial Samp	ble.xlsx	Sel	ect	H	Help
eet C	Configuration Exce	sheet preview						
25	rows of the data s	election as preview				y region data range) Start () End	e	
	Row Nr	Segment	Country	Product	Discount Band	Units Sold	Manufacturing Price	ę
•	2	Government	Canada	Carretera	None	1618.5	3	2
	3	Government	Germany	Carretera	None	1321	3	2
	4	Midmarket	France	Carretera	None	2178	3	1
	5	Midmarket	Germany	Carretera	None	888	3	1
	6	Midmarket	Mexico	Carretera	None	2470	3	1
	7	Government	Germany	Carretera	None	1513	3	3
	8	Midmarket	Gemany	Montana	None	921	5	1
	9	Channel Partners	Canada	Montana	None	2518	5	1:
	10	Government	France	Montana	None	1899	5	2
	11	Channel Partners	Germany	Montana	None	1545	5	1:
	12	Midmarket	Mexico	Montana	None	2470	5	1
	13	Enterprise	Canada	Montana	None	2665.5	5	1:
	14	Small Business	Mexico	Montana	None	958	5	3
<	15	Government	Gemany	Montana	None	2146	5	7
					Load config	Save config	Import (Close

ReqEdit Excel add-on preview tab

Importing Excel to ReqIF

After the excel file is configured press IMPORT to start the conversion.

The tool will generate a reqifz file near the source xlsx file. All actions are logged.

Output files

Each conversion will overwrite any previous REQIFZ files in the original directory

All generated output is REQIFZ archive format and will be saved near the original document.

Important Note: please check the content of the imported ReqIF file against your original Excel! Because of the Excel format we cannot guarantee a loss free import of all data.

Logging

All conversions are logged into the application directory **/logs** folder. The log files are splitted into 10mb files and rotated when needed.

The logging uses the log4net library. Experienced users can configure the file log4net.config to suit the logging needs. Documentation log4net: <u>https://logging.apache.org/log4net/release/manual/introduction.html</u>

Limitations

Only the XLSX format is supported

Additional content will be discarded (images, charts or any other floating elements)

Marcos are not processed

Pivot tables are not supported

Some formulas are not supported (specially formulas regarding to other cell or table references or named labels)

Merged cells will be converted to the first cell the merge starts horizontally or vertically

XML Editor add-on

ReqEdit XML Editor is optimized for ReqIF files. Supports XML validation as well as ReqIF schema validation.

Opening the XML Editor

Select Add-ons > XML Editor

est.reqif 1 xml<br 2 = <req-1 3 = <the 4 = <r 5 6 7</r </the </req-1 	<pre>version="1.0" encoding="utf=8"?> IF xmlns="http://www.omg.org/spec/ReqIF/20110401/reqif.xsd" xmlns:xhtml="http://www.w3.org/1999/xhtml"> - HEADER - HEADER - Comparison="1.0" encoding="utf=8"?> IF xmlns="http://www.omg.org/spec/ReqIF/20110401/reqif.xsd" xmlns:xhtml="http://www.w3.org/1999/xhtml"> - HEADER - HEADER - Comparison="1.0" encoding="utf=8"?> IF xmlns="http://www.omg.org/spec/ReqIF/20110401/reqif.xsd" xmlns:xhtml="http://www.w3.org/1999/xhtml"> - HEADER - HEADER - Comparison="1.0" encoding="utf=8"?> IF xmlns="http://www.omg.org/spec/ReqIF/20110401/reqif.xsd" xmlns:xhtml="http://www.w3.org/1999/xhtml"> - HEADER - HEADER - Comparison="1.0" encoding="utf=8"?> - HEADER - Komparison="1.0" encoding="utf=8"?> - Komparison="1.0" encoding="1.0" encod</pre>	
1 xml<br 2 □ <req-i 3 □ <the 4 □ <r 5 6 7</r </the </req-i 	<pre>IF xmlns="http://www.omg.org/spec/ReqIF/20110401/reqif.xsd" xmlns:xhtml="http://www.w3.org/1999/xhtml"> -HEADER> REQ-IF-HEADER IDENTIFIER="_0fb8958-3638-4795-a567-50f013a66163"> <creation-time>2015-03-14T17:09:12+01:00</creation-time> <req-if-tool-id>ReqEdit</req-if-tool-id></pre>	
2 = <req-i 3 = <the 4 = <r 5 = 6 7 =</r </the </req-i 	<pre>IF xmlns="http://www.omg.org/spec/ReqIF/20110401/reqif.xsd" xmlns:xhtml="http://www.w3.org/1999/xhtml"> -HEADER> REQ-IF-HEADER IDENTIFIER="_0fb8958-3638-4795-a567-50f013a66163"> <creation-time>2015-03-14T17:09:12+01:00</creation-time> <req-if-tool-id>ReqEdit</req-if-tool-id></pre>	
3 - <the 4 - <p 5 6 7</p </the 	L-HEADER> REQ-IF-HEADER IDENTIFIER="_0fb8958-3638-4795-a567-50f013a66163"> <creation-time>2015-03-14T17:09:12+01:00</creation-time> <req-if-tool-id>RegEdit</req-if-tool-id>	
5 6 7	<creation-time>2015-03-14T17:09:12+01:00</creation-time> <req-if-tool-id>RegEdit</req-if-tool-id>	
5 6 7	<creation-time>2015-03-14T17:09:12+01:00</creation-time> <req-if-tool-id>RegEdit</req-if-tool-id>	
7		
	<req-if-version>1.0</req-if-version>	
8		
	<source-tool-id>RegEdit</source-tool-id>	
9	<title>ReqEdit document - 14.03.2015 17:09:12</title>	
10 - </th <th>/REQ-IF-HEADER></th> <th></th>	/REQ-IF-HEADER>	
11 - <th>ie-header></th> <th></th>	ie-header>	
12 - <cor< th=""><th>RE-CONTENT></th><th></th></cor<>	RE-CONTENT>	
T .	REQ-IF-CONTENT>	
Υ	<datatypes></datatypes>	
15	<pre><datatype-definition-boolean]<="" _26c2e12-f032-4ab4-8174-94aba539419a"="" _95998f3-984b-4d5b-8270-86fb50977cda"="" identifier="_fa1807f-cc2a-4ac2-a7e3-5ec284fd260e" last-change="2015-03-14T17:09:1</pre></th><th>.2+01:00" th=""></datatype-definition-boolean></pre>	
	m	
Col Messad		
001 1110000	2~	

ReqEdit XML Editor add-on, displaying a single ReqIF file

The editor can display multiple ReqIF files in tabs. In the lower part of the interface is the validation / debugger panel.

Validating ReqIF

The editor supports validation for **ReqIF** / **RIF1.1a** using the document type toolbar section. After validation the errors will be displayed in the debugger panel.



Export to MS Excel

File types you can export to MS Excel with ReqEdit

- ReqIF 1.0.1 to ReqIF compatibility mode
- RIF 1.1 / RIF 1.1a archive format
- ReqIFz

Use case for export to MS Excel option

Use "Excel Export" if you want use an Excel file for:

- KPI determination
- statistical analysis
- not for reimport changes to ReqIF document

Due to unique column heading ID needed for the export process, the reimported document can present differences in Attribute names. See <u>Result view</u>

Export to MS Excel

- 1. Open the document you want to export from.
- 2. Set the View mode you want in the **View** menu. It can be predefined or newly set. Export function will export the datas you can see on the screen by the active view mode.
- 3. Open File/ Export...

S Export Wizard	×
Destination type	
Select the destination file type	
O Export ReqIF for other tools	
Some other tools have some specialties, with this option you can export the current ReqIF file to a compatible format for other tools.	
O Export to RIF 1.1a format	
With this selection, you will get an RIF 1.1a or RIF 1.1a archive file	
S Excel export for reporting	
Export a ReqIF(z) file to Excel for building KPIs or reporting purposes	
<back next=""> Cancel</back>	

Export wizard

- Follow Export Wizard
- Choose Excel export for reports in the Wizard Window
- Choose name and location for excel file. The Wizard will generate automatically the ReqIF documents name and adds 'exported' as excel file name. It can be modified, if needed.

The export of the ReqIF file will be written in a Excel sheet with the name of the visible document. If the name is longer than 30 characters, it will be shortened to this maximum size supported by Excel. If the user choose an existing excel file the sheet with the exported data will be added or replaced if a sheet with the same name exists. The message "The file XXX already exists. Do you want to replace it?" generated by the Windows file selector, can be confirmed with "Yes"; only the tab named after the document name will be overwritten entirely.

Note: If you want to export a file with an existing excel file name, close the file before click Start on export to Excel.

- Check the **export options** boxes (optionally):
 - ReqIF formatted text export Exporting data with formatting (only for text, bold, underlined, strikethrough, italic) Does not support tables, attachments, (limited support of) lists, background colour.
 - 2. Add meta information to excel worksheet Exporting meta info based on the View of the document. It shows the following information in the first rows in the excel worksheet: export date, file name, document name, document ReqIF-ID, view name, user name)

Export Wizard		
Export options		
Select the required options		
ReqIF formated text export		
Should the formatted text of the ReqIF file exported to I formatings cannot be transmitted to excel (e.g. Tables, recommended to export the content without any format	Lists, Attachments inside cells). I	
Add meta information to excel worksheet		
Should be added some information to the excel worksh	eet (e.g file name, export date).
Export based on: View name: View Document: User Requirements		
bocanera, osci requiremeras		
	<back 1<="" td=""><td>Next> Cancel</td></back>	Next> Cancel

• Finish export. Log info window appear.

• **Open** the Excel file.

Export Wizard					
	Process su	ccessful!			
	Congratulation, you	u have successfu	Illy exported the specified file! I	Number display: amoun	t (export/original) items
	Number of rows:	75 / 75 + 1	Number of attributes:	8+1/9	
	Number of links:	0/9	Number of attribute types:	5/5	
	hefer				
	INFORMATION: E	gnore Column: Ce Export Column: Sp Header Column: F	ellState [System.Byte[]] becObjectID [System.String] ReqIF.ChapterName [System.S	tring]	~
	INFORMATION: C INFORMATION: I INFORMATION: E INFORMATION: E INFORMATION: E INFORMATION: E INFORMATION: E INFORMATION: E	gnore Column: Ce Export Column: Sp Header Column: F Fext Column: Req Description Colum Export Column: Co Export Column: Of	ellState [System.Byte[]] becObjectID [System.String]	1	
	INFORMATION: C INFORMATION: I INFORMATION: E INFORMATION: E INFORMATION: E INFORMATION: E INFORMATION: E INFORMATION: E	gnore Column: Ce Export Column: Sp Header Column: F Fext Column: Req Description Colum Export Column: Co Export Column: Of	ellState [System.Byte]]] becObjectID [System.String] ReqIF.ChapterName [System.S IIF.Text [System.String] In: ReqIF.Name [System.String] omment [System.String] bject Type [System.String]	1	

The numbers in the final export wizard window show the amount of hidden attributes (columns) or deleted rows in the original document.

Result export view

If you check Add meta information to the excel worksheet checkbox in the Excel export wizard, the Excel file contains the meta datas in the first rows:

-	xport date:	2/47/2022 45.45			
100	appre social	3/17/2022 15:45			
F	ile name:	S:\Boti\Kaffeeautomat_2.reqifz			
D	ocument name:	Kaffeeautomat_2 - User Requirements			
D	ocument RegIF-ID:	_1a8ffb8-eca2-423c-b266-26e94aea7398			
V	liew name:	View			
U	lser name:	IBL\Bryan			
10					
R	lowNr	Hierarchy ID	Object ReqIF ID	ReqIF.ChapterName	RegIF.Text
6	1	-#1	_33591b0-a6d5-4f2a-8fb9-d47474a8b15e		based on VolereRequirements

Resulted file view with meta datas

The first 3 columns of the created Excel file contain, independent of the selected View mode:

Hierarchy ID	Shows the entry level of the object (text) in the source specification document. The number shows the chapter number it belongs and after the hash sign (#) the entry position in the folder.
ObjectReqIF ID	Shows the ReqIF-ID of each object from the source specification document.

New columns in the exported Excel file

These column headings are **reseved for the Excel export.** They are important to identify the specifications from the Specification document. If these **column names are defined as attributes inside the ReqIF** document, **the attribute will be reanamed to** "**ReqEdit.**<<a href="https://www.column.column-co

The name of the tab in the created Excel file are the first 30 characters of the document name.

If you reexport a document to existing Excel file, the final file saves the new version of ReqIF file in the sheet which has the same name. The other sheets /tabs remain the same.

Display of formatted text:

Some elements can be displayed in Excel in a certain mode due to technical limitations:

Formating	Display	Description
Multi Enumeration	multi#1 multi#2	By default any of the multi valued enumeration values will be displayed separated by a new line.
Unordered list	- entry#1 - entry#2	Any of the unordered lists will be displayed as new line separated entries with an starting dash "-" character for each of the list entries
Ordered list	1. entry#1 2. entry#2	Any of the ordered list entries will be displayed with a numeric value and followed by a dot
Table	[col1][col2] [col1][col2]	Each table column inside of ReqIF-table row will be framed with square bracket signs ("[column value]").
Attachments	{"link":"image.png", "type":"image/png"}	Textual information about the linked file and mime type

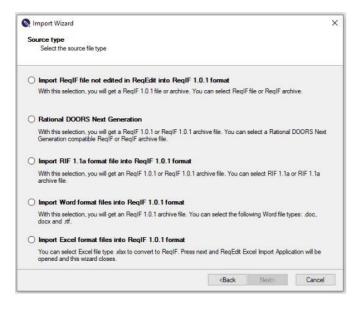
Attachments with alt text	{"link":"image.png", "type":"image/png"}Alternative text{"endlink"}	Textual information about the linked file and mime type
---------------------------	---	---

Limitations in formatting to Excel

Note: Roundtrip Excel-ReqIF is not supported! (You can reimport this Excel file to a ReqIF file, but you will loose information contained in the original ReqIF).

Importing

The Import add-on opens non-standard ReqIF files and imports MS Word document files, or MS Excel spreadsheets. To import click on **File / Import...**



ReqEdit Import wizard window

RIF, ReqIF Import

Some ReqIF files are not following the format standard. ReqEdit can still open these files by converting to a compatible format. Following formats are supported:

IBM Rational DOORS compatible RegIF file to RegIF 1.0.1 format

Rational DOORS Next Generation

RIF 1.1a to ReqIF 1.0.1 format

The ReqEdit editor supports the ReqIF Format coming from tools that are on the market. So the file attachments and images are stored in the archives as they are (no conversion of any type necessary) and for formatting we are using the XHTML tags that are designated for this purpose.

Not all tool vendors share this spirit, and they have their own kind of implementations that need to be adapted. One of these tools, IBM Rational DOORS, uses for external file reference an OLE wrapping around each of the files. This is ReqIF compatible, but not the standard.

ReqEdit needs to un-wrap this OLE object to get to the original file. This is happening during the import. ReqEdit creates a new file, with all the original files inside. The filename is kept as the original one, but has an additional suffix called "_imported" in the name. This imported file can be edited. The linked external files can be opened with an application for the specific file type.

In order to edit files coming from DOORS (directly or via Atego Requirement Synchronizer) you need to execute an import, by clicking on File->Import.

NOTE: IBM Rational DOORS version. 9.5.2 and Atego Requirements Synchronizer 2.4 have been tested.

By clicking the "Import" menu item, a wizard will be opened and guide you through the import process.

Name of the second seco	×
	Import wizard
	This wizard allows you to convert and import other file types into ReqEdit file type
	Read more about import in the documentation: <u>RegEdit Documentation</u>
	Press Next to continue
	Do not show me this start page at next time
	<back next=""> Cancel</back>

Import wizard

On the first page of the wizard you will find some information about the wizard and a link to the documentation. By selecting the "Do not show me this start page next time" checkbox, this page will not be shown anymore on the wizard start-up.

In the next page of the wizard, the format of the file you want to import has to be selected. The available options are "IBM Rational DOORS© compatible ReqIF format" and "RIF 1.1a format".

Name Import Wizard
Source type Select the source file type
Import IBM Rational DOORS [®] compatible ReqIF format file into ReqIF 1.0.1 format With this selection, you will get an ReqIF 1.0.1 or ReqIF 1.0.1 archive file. You can select IBM Rational DOORS [®] compatible ReqIF or ReqIF archive file.
Import RIF 1.1a format file into ReqIF 1.0.1 format With this selection, you will get an ReqIF 1.0.1 or ReqIF 1.0.1 archive file. You can select RIF 1.1a or RIF 1.1a archive file.
<back next=""> Cancel</back>

Import options

The following page lets you select the file you want to import and also the destination path and name for your output file.

File or path selection	M
Select source file and set destination fi	ile or path
Select your sources file:	
D:\6e. Capacity Requirements.reqif	Browse
Set your destination file or path: D:\6e. Capacity Requirements_imported.rec	qif Browse
Add ReqEdit system attributes	

After the file is imported, a confirmation page will be displayed. You can select the "Open the imported file" check-box if you want to open the file after the wizard is closed.

Not Wizard	x
	Process successful! Congratulation, you have successfully imported the specified file!
	Open the imported file
	<back cancel<="" finish="" th=""></back>

Succesfull import

NOTE: If you import a file from RIF format, another page containing mapping tables will be displayed after the pre-validation. This page contains tabs for each file (in case of a RIF archive) and for each document contained in the xml files. For each document you can set the destination attribute name for every source attribute.

Name of the second seco			x
Mapping tables Set field mapping	g for all documents		
Mod1_000028c7.xml	Mod2_000028c8.xml	Mod3_000028c9.xml	
Mod1_HIERARCHY-R	OOT		
Source Fields		Destination Field	
Boolean_att		Boolean_att	
Date_att		Date_att	
Integer_att		Integer_att	=
Object Heading		ReqIF.ChapterName	
Object Identifier		Object Identifier	
Object Text		ReqIF.Text	
Real_att		Real_att	-
		<back next=""> Cancel</back>	

Import Log file

MS Office Word Import

The Word Importer option imports .DOC files (Word 97-2003 type) into ReqIF.

🔇 Import Wizard

Import settings

With this settings you can choose what content will be imported

Keep hierarchy information		ort tables		
Remove manual chapter numberings	🗹 Impo	ort images		
Combine list elements in one object	🗹 Impo	ort attachments		
ribute parsing		Page selection		
Import attribute tables		From page (min. 1)	1	•
Select table attribute format:		To page (max 14)	14	÷
First row (Table heading)	~			
Select mapping file:				
Bn	owse			

Word Import wizard starting from v 2.19

Note: for a precise outcome, a table mapping file is needed for importing Word files, although it is also possible without it.

Structure of the Word file

Before starting the import process

Simple structuring of the document is needed to mark headline depth which will be converted to nested objects

H1...H5

X

Heading 1

Lorem ipsum dolor sit amet, cu nemore omittam eam. Pri te ipsum zril. Eam an habeo facer, quo ea nisl consulatu. Sea eu iriure equidem forensibus, nobis utinam ridens ex pri. Quidam facete fabellas eam id, abhorreant eloquentiam eu sea.

Heading 2

Lorem ipsum dolor sit amet, cu nemore omittam eam. Pri te ipsum zril. Eam an habeo facer, quo ea nisl consulatu.

Heading 3

Lorem ipsum dolor sit amet, cu nemore omittam eam. Pri te ipsum zril. Eam an habeo facer, quo ea nisl consulatu.

Heading 4

Lorem ipsum dolor sit amet, cu nemore omittam eam. Pri te ipsum zril. Eam an habeo facer, quo ea nisl consulatu.

Heading 5

ID	Heading	Text	Comment	Integer
0001	Table Heading 1	Pri te ipsum zril. Eam an habeo facer, quo ea nisl consulatu. Sea eu iriure equidem forensibus, nobis utinam ridens ex pri.	Coment 1	101
0002	Table Heading 2	Mei cu evertitur pertinacia, graecis deleniti ea eam. Quas sanctus ex pri. Ius id veri necessitatibus. An case altera lobortis eum.	Coment 2	102
0003	Table Heading 3	Id graeci ceteros eum. Eripuit inermis molestiae ex nam. Suscipiantur concludaturque in nam. Ea pro nostrum	Coment 2	103

source Word file with multiple child headlines

Γ	Main Column	
	1 - Heading 1	
	Lorem ipsum dolor sit amet, cu nemore omittam eam. Pri te ipsum zril. Eam an habeo facer, quo ea nisl consulatu. Sea eu iriure equidem forensibus, nobis utinam ridens ex pri. Quidam facete fabellas eam id, abhorreant eloquentiam eu sea.	
	1.1 - Heading 2	
	Lorem ipsum dolor sit amet, cu nemore omittam eam. Pri te ipsum zril. Eam an habeo facer, quo ea nisl consulatu.	
	1.1.1 - Heading 3	
	Lorem ipsum dolor sit amet, cu nemore omittam eam. Pri te ipsum zril. Eam an habeo facer, quo ea nisl consulatu.	
	1.1.1.1 - Heading 4	
	Lorem ipsum dolor sit amet, cu nemore omittam eam. Pri te ipsum zril. Eam an habeo facer, quo ea nisl consulatu.	
	1.1.1.1 - Heading 5	
	1.1.1.1.1 - Table Heading 1	
	Pri te ipsum zril. Eam an habeo facer, quo ea nisl consulatu. Sea eu iriure equidem forensibus, nobis utinam ridens ex pri.	
	1.1.1.1.2 - Table Heading 2	
	Mei cu evertitur pertinacia, graecis deleniti ea eam. Quas sanctus ex pri. Ius id veri necessitatibus. An case altera lobortis eum.	
	1.1.1.1.3 - Table Heading 3	
	Id graeci ceteros eum. Eripuit inermis molestiae ex nam. Suscipiantur concludaturque in nam. Ea pro nostrum consectetuer. Vix rebum urbanitas an, no pro volutpat consulatu delicatissimi, ferri harum noster his ne. Quo ea odio unum eruditi, mei et ipsum ullum mucius, per in epicuri iudicabit.	

resulting ReqIF with nesting

Mapping

Table mapping

To convert tabular data to objects with attributes a manual mapping is needed that will be used throughout the document

```
ID | Renamed ID | integer
Heading | ReqIF.ChapterName | text
Text| ReqIF.Text | text
Comment | Comment | text
```

```
Integer | Integer | integer
Real | Real | real: .
Date | Date | date: dd.MM.yyyy
```

The mapping syntax is | <target attribute name> | <attribute type>

Where attribute types can be

integer	
text	
real: <decimal separator=""></decimal>	decimal separator string , / . (comma or point)
date: <date format=""></date>	date format supports standard date notations
enumeration	NOT SUPPORTED

Mapping file

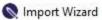
To convert Headings to objects with attributes a manual mapping is needed that will be used throughout the document

```
ID | Renamed ID | integer
Heading | ReqIF.ChapterName | text
Text| ReqIF.Text | text
Comment | Comment | text
Integer | Integer| integer
Real | Real | real: .
Date | Date | date: dd.MM.yyyy
```

Import .doc file

Before importing a word file please ensure it is not open in any other application, then in ReqEdit click on the **File/Import...** or **Import files** in the dashboard. A Wizard window appears and leads you through the import process.

Browse for the document file and give the imported file destination. Then click **Next.**. Basically, the name of the ReqIFz file will be the same as the document's name plus 'imported'.



File or path selection

Select source file and set destination file

ect your source file:				
est Folder Access\Melinda\MELINDA Ger	neral\Test folder Word i	mpo <mark>t \Import wor</mark>	d test text.doc	Browse
lect your destination file:	_			
Word import \Import word test text.doc.sb-9	950a1176t75bO4 <mark>.</mark> lmpo	rt word test text_i	imported.regifz	Browse
display the options on the next page, the s conds				-
				-
				-
				_

After selecting the source files , destination file becomes the "imported" name

In the next Window you can select the import options.

×

🔇 Import Wizard

Import settings

With this settings you can choose what content will be imported

Keep hierarchy information		ort tables		
Remove manual chapter numberings		ort images		
Combine list elements in one object		ort attachments		
bute parsing		Page selection		
Import attribute tables		From page (min. 1)	1	*
Select table attribute format:		To page (max 14)	14	÷
First row (Table heading)	~			
Select mapping file:				
	Browse			

Word Import Wizard

General options

Keep hierarchy information will show the objects at levels based on Heading settings.

Remove manual chapter numberings option will remove the chapter numberings of ReqIF.

Combine list elements in one object will show the whole list in one object in ReqIF.

The wizard allows the import options of tables, attributes and attachments.

Attribute parsing is possible only if a mapping file is given.

The *Page selection* allows selecting parts of the document to be imported. Given values must be integers of existing page numbers of the document.

Note: If ReqEdit cannot open the document file, the page selector is not live and the document cannot be imported.

General options	
Keep hierarchy information	🥑 Import tables
Remove manual chapter numberings	Import images
Combine list elements in one row	Import attachments
bute parsing	Page selection
Import attribute tables	From page (min. 1)
Select table attribute format:	To page (max 11)
First row (Table heading)	~
Select mapping file:	
nport \mapping test word import Melinda.txt Bro	owse

Select the mapping file for Attribute parsing

Resulted ReqIF file after Word import

The resulted ReqIF file contains 5 new Attributes:

- Page shows the page number in the Word file where the object/row is
- Paragraph shows the number of paragraph in the Word. For details check the Reqedit/Systemlog/ReqEditEventLog file.
- Item number shows the bullets or numbers of a list
- Footnote shows the footnote related to the object in the Word file
- Comments shows the comments related to the object in the Word file

n Column	ReqEdit.Word.Page	RegEdit.Word.Paragraph	RegEdit.Word.ItemLabel	ReqEdit.Word.Comment	ReqEdit.Word.FootNote
Template/Supporting Document Template Conventions	2	16			
Three different styles of text are used in this template: 1. [Text included in square brackets] This text represents document-specific information to be provided. Examples are [document name] for the name of the template/supporting document, and [purpose] for the purpose of the template/supporting document, there this text appears, insert the document-specific information between the	3	20	1.		
 {Italic text in braces} This text is guiding or explanatory in nature. It will include tailoring guidance and descriptions of the kinds of information to be included in each section. Therefore, this text should be deleted from the template/supporting 	1	24	2.		
 Normal text This is standard text that should be copied verbatim into the template/supporting document as necessary. It represents any text that 		28	3.		
{Page intentionally left blank.	<u>_</u> 3	44			
Template begins on the following page.}	84	46			

New attributes in the ReqIFz file after importing a .doc file

th manual chaptering of ALLGEMEINE PELICHTEN	Main Column	ReqEdit.	ReqEdi	RegEdit.Word	Home	Insert Draw Design Layout 🤉 🖓 Tell me 🛃 Share
ALLGEMEINE PELICHTEN Artikel 5 2.1 - Technische Anforderungen	1 - ALLGEMEINE PFLICHTEN	1		2		ALLAMENT PROTEN Archiel S
- Image: AttachedFile_1.png - (1)aufgefuhrten Rechtsakte erfül - Fahrzeuge, Systeme, Bautele und	2 - Artikel 5	1		3		Trebuikds Adhedernages
 (2) Bei Fahrzeugen, Systemen, Bs Für die Bewertung der Erfüllung (3) Der Kommission wird die Befu 	2.1 - Technische Anforderungen	1		4		
Lo de Normanna No Ge en C Anlage 1 Verfahren zur Prüfung, ob ein Fa 1.1. n. Me emeines L.1. ran Sie Zwecke der Einstufs 2.2. Prüfbedingungen für geometris L.1. Fan Sauge der Klasse H1 ode Batt de Prüfunger kann eine Ab Die Maker meres ein die Admen		/1		B .		O O
 Die Masie muss to auf die Achten Die Flacie, auf der die Messunge 1.3 - 3. Messung des vorderen und hint 	(1) aufgefuhrten Rechtsakte erfüllen.	1	1	0		Rechtsakt zublang im: 2. b) die im betroffenden Rechtsakt forzgelagten Leistungskritterien oder Genzuwerte für die Seringsvoluktion alchr anter allen im betroffinden Rechtsakt erstukten Bedagungen angelaufen worden sind. 3. c) die Genzehrungengenete horien, die Marintaberwachungsbebinden oder die Kommission nicht
– 3.1. Der vordere Überhangwinkel .4 + 4. Messung der Bodenfreiheit – «EMPTY»	Fahrzeuge, Systeme, Bauteile und selbstständige technische Einheiten müssen die Anforderungen der in Anhang II	1	1	1		der Lage sind, eine Herstellerungsbe im Beschreibungshegen unter den Beditepungen des einschläggen Rechtsaltes nachauverklächen. Für das Bowertung der Drößlang der Anlorderungen nach diesen Absatt werden ausschließlich die Kontrollen. Pfülfungen, Inzelschem und Bewertunge berücklichtigt. die von den
Bei der nwendung dieser begriff S 4.2. Explorefrichet unter einer A - 4.2. L. De Joderfrichet unter S Solgdahigkeit Solgen Solgen	 (2) Bar Fahrzaugen, Syntemen, Bartellen und seibstätzindigen technischen Einheisen gik, dass ist diese Verordnung insbesondere dann nicht einhaben, wenn 1.a) sie von den Angaben in den EU-Tyspenehmigungsbogen und deren Anlagen der von den bestühlenden Angaben in den den den Angaben in den EU-Tyspenehmigungsbogen und deren Kabester der von den bestühlenden Angaben der Rechtsakt zubasig ist: 2.b) die im betreffenden Rechtsakt Ketgelegten Lestungskinterien oder Genzwerte für die Senarproduktion nicht unter allen im sindi- die im Botreffenden Rechtsakt erfaulten Bedingungen engehalten worden sindi- die Genzhmagungsbedrefen, die Marktüberwachungsbehrefen oder die Kommision nicht in der Lage sind, eine Hertenliterragabe im Beschreibungsbogen unter den Bedingungen des einschlägigen Beschreibungsbogen unter den Bedingungen des einschlägigen Beschreibungsbogen unter den Bedingungen des einschlägigen Beschreibungsbogen unter den Bedingungen des einschlägigen 	Optio		a a. sts, enum	erations	Contemporate before the Section of t
	Für die Bewertung der Erfüllung der Anforderungen nach diesem Absatz werden ausschließlich die Kontrollen, Pru fungen, Inspektionen und Bewertungen berückschlich, die von den Genehmigungsbehörden, den Marktüberwa chungsbehörden und der Kommission oder in deren Auftrag durchgehilt wurden.	1	1	4		

Resulted ReqIF file screenshot after some import option settings

Limitation of Word import

Currently the Word import has these limitations:

- Detection of form field, and draw (pen and marker) are not supported
- Importing files bigger as 150 MB not supported

Excel spreadsheet Import

Excel spreadsheet import can support:

- Enabling roundtrip and
- Simple import with or without hierarchy

For roundtrip enabled import click on **File / Import** or **Add-ons / Excel Import** and choose the box Enable round trip in the Excel import wizard window.

For details on Excel Import click here.

Excel File	v				MELINDA General\Tes	t Select		Help
Excel File	<u></u>				MELINDA General (Tes	t Select		нер
heet Configuration	Excel shee	t preview						
Step 1: Sheet s	election		Mess	sages				
SHEET 1		~						
Ignore She	et							
Step 2: Set hea	der row							
Header Row	Number	1	Res	et messages (display Open log dire	ectory		
and the second s	Row	Column	Step	3: Configure a	attributes			
From	2	1		Column	Name	Ignore column	Data type	Refrence
То	39 🜩	20 🜩	•	1	Hierarchy ID		Integer	< 1
		Set value		2	Unique ID		Integer	- 1
Step 4: Set mai	n column (or	tional)		3	Object ReqIF ID		Text	_cf32d3f-86dd-4f.
				4	RegIF.ChapterName		Text	
ChapterNam	e	~		5	RegIF.Text		Text	2
Level ID (opt	.) <none></none>	~		6	RegIF.Name		Text	V Name 1
Text	[²	~		7	Comment		Text	-
				8	Formulas		Text	/
Step 5: Set id fi	eld (optional)		9	RegEditID		Integer	20
Enable n	0.0000000000000000000000000000000000000	5		10	ReqEditModifiedOn	0	Date	27.04.2022 17:4
ID Field		~		11	ReqEditModifiedBy		Text	- Melinda
					Loa	d config S	ave config	Import Close

Excel Import Wizard

Exporting

RIF, ReqIF

If the files that the user edits or creates should be imported to IBM Rational DOORS (directly or via Atego Requirement Synchronizer), an export is necessary.

After editing and before importing to DOORS, you have to do an export by clicking on File->Export. During the export all the linked files will be wrapped in an OLE envelope. To protect the ReqEdit variant of the ReqIF file, the export function will ask the user for a new file name, where to save the DOORS variant. This new file can be imported to IBM Rational DOORS.

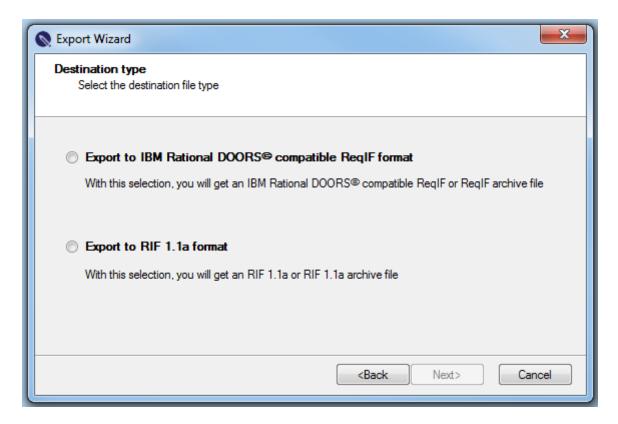
NOTE: IBM Rational DOORS version. 9.5.2 and Atego Requirements Synchronizer 2.4 have been tested.

By clicking the "Export" menu item, a wizard will be opened and guide you through the export process.



On the first page of the wizard you will find some information and a link to the documentation. By selecting the "Do not show me this start page next time" check-box, this page will not be shown anymore on the wizard start-up.

In the next page of the wizard, the format of the file you want to export has to be selected. The available options are "IBM Rational DOORS© compatible ReqIF format" and "RIF 1.1a format".



The following page lets you select the destination path and name for your output file. In case you want to export to RIF format and your file is a multi-document file, multiple .zip files will be created at export. In this case, only the destination folder can be selected and the file names will be assigned automatically.

S Export Wizard	×
File or path selection Select source file and set destination file or path	
Select your sources file: D:\6e. Capacity Requirements.reqif	Browse
Set your destination file or path:	
D:\6e. Capacity Requirements_exported.reqif	Browse
<back next=""></back>	Cancel

After selecting the file paths, the wizard will convert your file and a confirmation page will be displayed.

Export Wizard	×
	Process successful! Congratulation, you have successfully exported the specified file!
	<back cancel<="" finish="" td=""></back>

You can find your exported files in the destination directory you have specified on the previous page.

NOTE: If you export a file to RIF format, another page containing mapping tables will be displayed after you select the file paths. This page contains tabs for each file (in case of a multi ReqIF file archive) and for each document contained in the .reqif files. For each document you can set the destination attribute name for every source attribute.

S Export Wizard				x
Mapping tables Set field mapping for a	ll documents			
Mod1_000028c7.regif Mo	d2_000028c8.reqif	Mod3_000028c9.reqif		
Mod1				
Source Fields		Destination Field		
RegIF.ChapterName		Object Heading		
ReqIF.Text		Object Text		
Boolean_att		Boolean_att		Ξ
Date_att		Date_att		
Integer_att		Integer_att		
Object Identifier		Object Identifier		
Real_att		Real_att		-
		<back next<="" td=""><td>Cancel</td><td></td></back>	Cancel	

Configuration

This document is incomplete, we are working on making it better

Thank you ♡ for your understanding

License Detach Utility

To be able to work outside of the restricted environment and self hosted license server, licenses can be locked for on the go usage. Each detached (locked) license will have an expiration period after which automatically will be restored and the PCs will not be able to use ReqEdit anymore.

Read more about Detaching Tool setting

For detaching another license the PC has to be inside the network after which the detachment can be done again.

Environment

ReqEdit is used inside a restricted network where the PCs cannot access ReqEdit License Server, a self hosted network license server is used. This server holds all the license pools available to the network.

When ReqEdit has to be used outside this environment a license can be locked and detached for on-the-go usage.

NOTE: Detaching has to be done inside the restricted network before disconnecting.

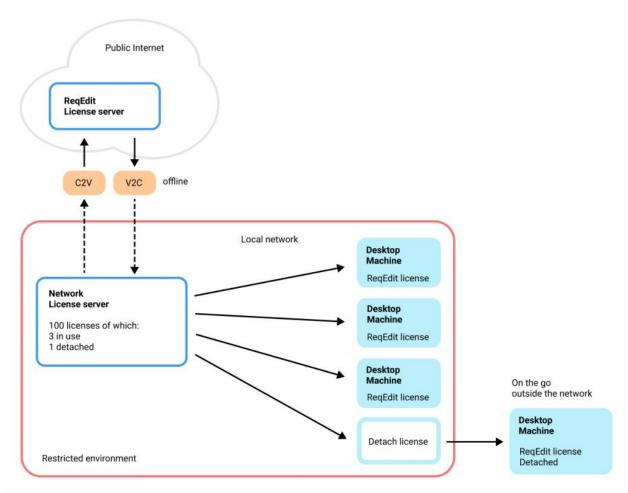


Diagram showing ReqEdit usage in a restricted environment where a stand-alone license server is used, detaching a license for on the go usage

Work on-the-go

Detaching licenses from network server

Start the tool by selecting Add-ons > License Detach from the top menu

Add-ons	Hilfe
ReqE	dit Lizenz Detach
ReqE	dit XML Editor F6
Excel	Add On
Vergl	eic <mark>h</mark> /Merge Tool
Direk	tvergleich
Weak	Word Analyse

License Detach tool add-on will be displayed. The available number of licenses will be listed in the window (refreshed every 20 seconds).

🔇 ReqEdit Lice	nse detach tool				_	o x
License detachir	ng Log entries					
Available lice	nses for detach:				REGTE	ΔΜ
Product ID	Product name	Hasp ID	Max. Detach Da	y Available		
37 Re	eqEdit Ultimate + WWA + HL	92101076848809520	11 30	18	Local server status: Remote server status: Last update: Global 'Max. Detach Days':	Available Available 12:50:24 30
					Refresh information	
Day: 7 Locally install Product ID	Detach license led license: Product name	Remained days	Will expire	Hasp ID		
	eqEdit Ultimate + WWA + HL			1076704778157014644		
					HTTPS Support	
					Choose language	
Return licens	ie				Help	
Copyright © 20)17 REQTEAM GmbH. All right	s reserved. Versio	n: 2.20.8446.19621			
	idd-on window					

Select the license that needs to be taken out and configure the period.

Press **Detach license** to reserve a license and take it out.

Locally installed license:

Product ID	Product name	Remained days	Will expire	Hasp ID	
34	ReqEdit full license for Testing	7	1/11/2022 7:23:55 AM	1097933461979628350	

Detach tool displaying a detached license

ReqEdit can be used on the go for the configured period, after which the license will expire and cannot be used. Another license has to be detached again from inside the network.

Logging

The **Log entries** tab displays the last 100 messages in reverse order. To get the complete log message click on **Open full log file** on the bottom of the page.

Merge / Compare Addon

Tool for comparing and merging ReqIF/ReqIFz files. Can be used to compare *two versions of the same file* or merge attributes from one specification to another.

Note: the Compare / Merge tool synchronize at startup the settings of ReqEdit about the HTML validation. To set the HTML Validation status in ReqEdit in the Settings/User menu. After set the value to the desired, please restart the Compare / Merge tool to get the settings synchronized.

Language:						
English						~
Please close all files before pressing the butto	n.					
Delete temporary files						
☑ Create back up						
Make backup every (minute):	10	÷				
Max. number of stored backup files per file:	10					
Attribute displayed in DOORS tables:						
ReqIF.ChapterName			~			
Maximum cache size (MB):	500	A				
✓ XHTML schema validation	□ s	how c	lipboard	paste e	TORS	
Show dashboard at startup 🛛						
	-		ave	_		

XHTML validation in Settings/User menu in ReqEdit.

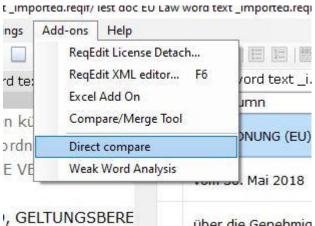
The tool works in two modes:

- Direct Compare mode Users can automatically jump to the source of the compared objects
- Standalone mode

Compare ReqIF files

The easiest way to compare two documents is to use the Direct Compare mode, follow the steps described below.

Open the two ReqIF files for comparison, select one of the documents,Click Add-ons > Direct Compare



riber die Genehmia ReqEdit Add-ons, highlighted is the Direct Compare tool

A question window will let the user choose the pair of the document for second file as NEW or OLD, Press **YES** or **No** to configure the comparison members

Information	n	×
	s the second file 'Requirement_template_chang the NEWER version?	jed.v2.reqif'
	Yes No	Cancel

ReqEdit Compare Add-on question popup

Compare overview window will show the compare statistics, then press **Compare selected**

	e documents/specifications, if you want to h			
eqIF Inventory				
Name	Old file	New file	In common	Annotation
Archive	TESTFILE vers 1.regifz	TESTFILE vers 10.regifz		
Last change date	2023.02.07 14:31:07	2023.02.09 12:09:57		
Filename	TESTFILE Excel test file for import.regif	TESTFILE Excel test file for import.regif		
Author				
Source tool	ReqEdit	ReqEdit		
ReqIF tool	ReqEdit	RegEdit		
Document creation	2023.02.01 15:14	2023.02.01 15:14		
Type Definition	6	6	6	
Attribute Definition	18	18	18	
Attributeset Definiti	1	1	1	
Attributeset Definiti	1	1	1	
Rows/Objects	37	37	37	
Document/Specifica	1	1	1	
Document #1	Sheet1	Sheet1	_9f69d35-89fb-4e7	Compare specificati

ReqEdit Compare Add-on overview window

A new window will let the user select additional attributes for quick comparison, and then press $\ensuremath{\text{OK}}$

NOTE: main attributes are completely compared all the time, like the footer note displays

NOTE: the additional attributes are displayed in a single column as a text message

Select attributes for compare	>
Please select attributes, you want to compare additionally to the main column attributes. The result will be displayed in a separate column	
Select/Deselect all attributes	
 ReqEdit.ExcelRowRefence Hierarchy ID Comment ReqEditModifiedOn ReqEditModifiedBy ReqIF.ForeignDeleted ReqIF-WF.CustomerStatus ReqIF-WF.SupplierStatus ReqIF-WF.Revision ReqIF-WF.Revision ReqIF-WF.SupplierComment ReqIF-WF.Type LastChange new boolean 	
 Main column rendering Render short description Display external ID Note: The program uses by default the attributes ReqIF.ChapterName for display headings, ReqIF.Name for short description and ReqIF.Text for text in the main column. 	Ignore main column changes Heading Short Description Text
	OK Cancel

ReqEdit Compare Add-on displaying additional attributes list to include in the comparison result

Display logic for additional attributes:

- i. **Html attributes** will be compared as HTML but displayed as a text and limited to first 50 characters
- ii. Strings will be limited to 50 first characters
- iii. Dates will be converted to German date format
- iv. Boolean values will be displayed as text
- v. Enumerations will be displayed as a string

Render Short Description

Compares and displays the ReqIF.Name attribute (in case of DNG export this will be a copy of ReqIF.Text, and should be excluded from comparison for nicer overview)

Display External ID

Shows ReqIF.ForeignID attribute as a separate column

Ignore Main column changes

Ignores the changes made in the Main column of the Reqif/Reqifz file. ReqIF.ChapterName; ReqIF.Name; and ReqIF.Text

If the Render short description box is unchecked, the Short description box in this area cannot be chosen.

The Comparison Window

Displays the result of the comparison in a two sided window.

Right clicking any object the ReqIF.ID and External.ID (ReqIF.ForeignID) can be copied into the clipboard

								_tempiate_changed.v2/redit/reduirement.document	nangeurows	
Obje Num	Exter	r Main Column	Other attributes	Status		Object Numb	Exter ID	r Main Column	Other attributes	St
1		Description				1.2.2		Project purpose & Scope		Un
1.1		Stakeholders			11			We want to have a web service, where our customers can book their busines trip or the	hiReqEditID: 2	2
1.2		Project desription			1	1.2			ReqEditMod ReqEditMod	¹ Ne
1.2.1		Service need				100		Technical challanges/Issues	ReqIF.Foreig	i <u>c</u> Un
1.2.2	-	Project purpose & Scope				1.2.3		Existing systems (by history)	ReaEditMod	
1.2.3		Technical challanges/Issues			11	1.2.4		Lang systems (by matery)	RegLatimou	"Ch
1.2.4		Existing systems	ReqEditModifiedOn: 06.04.2021 18:24	Refe		2		Hardware requirements		Un
2		Hardware requirements				2#1		The software should run completely in the cloud, so we need at least 50 GB space for 15GB for the database. Added by Tibi	ReqEditID: 2 ReqEditMod ReqEditMod	2
3		Software requirements			1	2#1			RegEditMod RegIF.Foreid	
4		Technical requirements				3		Software requirements		U
4.1		Functional requirements						We need for hosting a MySQL database and a current PHP Stack.	RegEditID: 2	2
4.1.1	-	SubSystem A/Product Part A			11	3#1			ReqEditMod ReaEditMod	/i 1 Ne
4.1.2	-	SubSystem B/Product Part B							Reg/F.Foreig	
4.1.3	-	Interfaces				4		Technical requirements		U
4.1		Interface to System Ext-X				4.1		Functional requirements		Ur
4.1.4		Functional legal requirements				4.1.1		SubSystem A/Product Part A		Ur
4.2		Non functional requirements				4.1.2		SubSystem B/Product Part B		Ur
4.2.1		Design/Architecture				4.1.3		Interfaces		Un
4.2.2		Usibility	RegEditModifiedOn: 06.04.2021 18:17	Refe		4.1		Interface to System Ext-X		Ur
4.2.3		Perfomance requirements		Refe		4.1.4		Functional legal requirements		Un
4.2.4		Support/Training		Refe	11	4.2		Non functional requirements		Un
4.2.5		Non functional legal requirements				4.2.1		Design/Architecture		Ur
						4.2.2		Perfomance requirements		Mo
						4.2.3		Support/Training		M
						4.2.4		Usibility	ReqEditMod	I Ch
						4.2.5		Non functional legal requirements		Un

ReqEdit Comparison Add-on displaying the Comparison Window, with External ID and additional attributes

Column description

ObjectNumber	Hierarchical numbering by Headers similar to chapter structure, optional # character shows text objects under the given chapter, the background color suggests the type of change
External ID	Shows the contents of the ReqIF.ForeignID attribute
Main Column	Displays the content of the objects with changes, green is the new content (right side), red on is the removed or changed content (left side)

Other attributes	Displays the concatenated additional attribute changes with green and changed with red (on the left) see above Display logic for additional attributes
Status	Displays the status description: new, changed, moved from source, moved and changed, deleted (only left), referenced

Highlight colors

Structural changes

GREEN	NEW
BLUE	MOVED
ORANGE	CHANGED, CHANGED & MOVED
RED	DELETED
	Referenced, is the source of the moved / changed objects

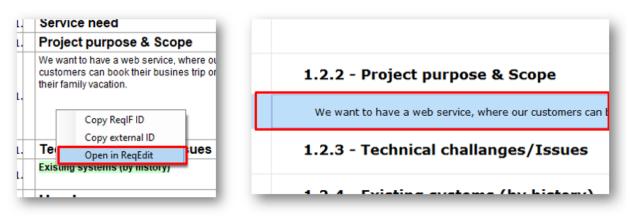
Content changes

GREEN	New content
RED	Removed content

Display unchanged rows

By default all content is displayed, to show only the changes uncheck the **[Display** unchanged rows] checkbox at the top

Jump to source



Jump to source by right-clicking an object in the comparison window, will select the object in the source document

To see the selected changed object, must change the window view.

HTML Report

Users can save the result of the comparison as a HTML report. Pressing the **Open results in browser** at the bottom will save the file and open the default browser.

mpara aposifi	ation Dogu	iroment desument > Pequirement de	oumont								
		irement document -> Requirement do	cument							1	
rmation about th e: 08.06.2021 17										LOG	90
		apterName,RegIF,Name,RegIF,Text								IPSU	15.4
		ReqEditModifiedOn, ReqEditModifiedBy, Req	IF.ForeignDeleted, ReqEdit.Descriptio	in							
ional Disclamer	evt.										
onal Discianter	CAL.										
											_
Id file: Requirem ObjectNumber		reqif MainColumn	Other	Status	1			ent_template ExternalID	_changed.v2.reqif MainColumn	Other	Status
1	ExternaliD		Other	Status	-	1	mber	Externality		Other	Unchange
1		Description			L	1			Description		Unchanger
<u>1.1</u>		Stakeholders				<u>1#1</u>	0		The travel portal should offer customers an easy booking possibility for their journey.	ng ReqEditID: 24 ReqEditModifiedOn:	New
									······	06.04.2021 18:40:58 RegEditModifiedBy:	
<u>1.2</u>		Project desription								tibi	
										Reg/F.ForeignDeleted: False	
<u>1.2.1</u>		Service need			E	<u>1.1</u>			Stakeholders		Unchange
1.2.2		Project purpose & Scope			ŀ	1.2			Project desription		Unchange
<u>1.2.3</u>		Technical challanges/Issues			Ŀ						
1.2.4			ReaEditModifiedOn: 06.04.2021	Referenced		<u>1.2.1</u>			Service need		Unchange
1.2.4		Existing systems	18:24:03	Referenced		<u>1.2.2</u>			Project purpose & Scope		Unchange
2		Hardware				1.2.2#1	0		We want to have a web service, where our customers can	RegEditID: 23	New
		requirements							book their busines trip or their family vacation.	RegEditModifiedOn: 06.04.2021 18:40:05	
		-							ReqEditModifiedBy:		
3		Software								Reg/F.ForeignDeleted:	
		requirements								False	
		requirements				1.2.3			Technical challanges/Issues		Unchange
4		Technical				<u>1.2.4</u>	0			ReqEditModifiedOn:	Changed
		requirements							Existing systems (by history)	04.05.2021 00:22:42	
		-				2			Hardware requirements		Unchange
				•		Ċ					

ReqEdit Compare tool generated HTML report

The HTML report is a scripted web-page with couple functions:

Highlighting objects/rows

Users clicking any row in the report will be highlighted and if possible, the pair will be shown and also highlighted

Clicking the ObjectNumber or the row to jump to corresponding object pair. Highlighting is similar to the comparison window.

4.1.2	SubSystem B/Product Part B			•	
<u>4.1.3</u>	Interfaces		<u>4.1.2</u>	SubSystem B/Product Part B	Unchanged
4.1.3.1	Interface to System Ext-X		<u>4.1.3</u>	Interfaces	Unchanged
4.1.4	Functional legal requirements		<u>4.1.3.1</u>	Interface to System Ext-X	Unchanged
4.2	Non functional		<u>4.1.4</u>	Functional legal requirements	Unchanged

Filter change type

The number of the different types of change are shown at the bottom of the page and can be toggled to be visible or hidden

Legend: NEW (4), CHANGED (2), DELETED (0), MOVED (2)

Show only changes

Show only the rows that are changed, moved, new or deleted, including the reference to changes.

Show only changes

Mark as read

Users can track the progress of the validation of the changes by marking each row as read with the checkbox.

nced	<u>4.2.2</u>	0	Perfomance requirements	
nced	<u>4.2.3</u>	0	Support/Training	
nced	<u>4.2.4</u>	0	Usibility	ReqEditI 03.05.20
	<u>4.2.5</u>		Non functional legal requirements	

NOTE: this feature uses browser internal WebStorage mechanism, all markers are saved to localStorage. All modern browsers have this feature but can be limited by security policies.

Show only unread

The button will toggle the display of only the rows which are not yet marked as read

Show only unread

Settings

Customize an additional logo and optional HTML content to include in the HTML report, open the Administration > Settings menu.

SettingsForm		_	
Compare Change logo for output Please select a logo, that has maximum width of 300px and height of 200px size	LOGO IPSUM		
Custom output text (HTML output): Optional Disclamer text			

NOTE: The logo image can only replaced with another one, there must always be a logo

Print to PDF

HTML report can be saved as PDF by printing the result to a PDF document within the browser. To get a better viewing experience set the pdf size to A3 landscape or adjust the print scaling and enable background colors.

Notices

In IE11 or other older browsers if "Mark as read" cannot be used it will be hidden. An ActiveX script execution popup will ask to run the scripts inside the html report. Choose Allow Blocked Content to enable the features.

Mark as read is saved inside the browser, moving the html report will not affect the read markings.

Tested on:

- Edge Version 91.0.864.41 (Official build) (64-bit)
- Chrome Version 91.0.4472.77 (Official Build) (64-bit)

Mark as read cannot be exported or transferred, its indented to be used only on one PC.

Standalone mode

Comparison between two unopened files in ReqEdit

Note: Opened files will be locked, other applications (ex: ReqEdit) will not be able to open the files until closed

Add-ons Help	
ReqEdit License Detach	
ReqEdit XML editor F6	
Excel Add On	
Compare/Merge Tool	
Direct compare	
Weak Word Analysis	
Compare and Merge AddOn	– o ×
Compare Merge Administration Help	
Close	🚬 📴 🚺 Close
the second s	
	v
Copyright REQTEAM GmbH 2022 HTML Validation: On	

- ReqEdit compare add-on in standalone mode
 - 1. Open the old ReqIF file on the left and the new on the right side
 - 2. Press Compare in the top menu
 - 3. Select the row with the files to be compared and press Compare documents
 - 4. Configure comparison option and attributes for compare in the wizard window
 - 5. Press Compare documents to display the result.
 - 6. Click on Open result in browser or Close button depending on your choice

NOTE: Closing the file will release the exclusive lock and can be used by other applications

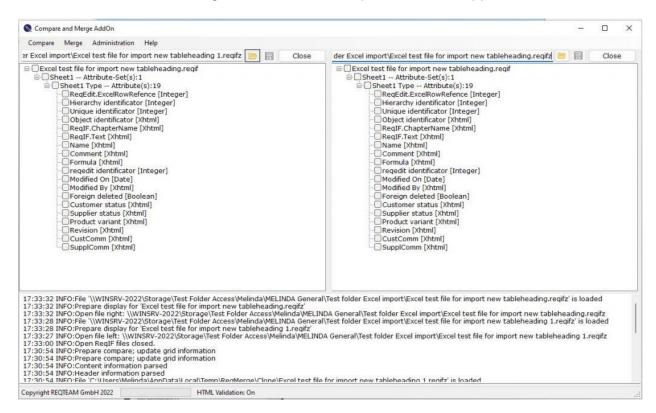
NOTE: In Standalone mode cannot jump directly to the changes in the file by rightclicking on the changed cell and choosing the Open in ReqEdit option

Compare limitations

- Compare works only on ReqIF files that can be opened in ReqEdit
- HTML element property changes will be ignored (class, id, style) except attachments (object data tags)
- String and HTML attributes outside of the main column will be shortened the display to 50 characters
- Sometimes if the content comparison is too complex will highlight more new changes than necessary, but will never miss any change
- Opened files are exclusively locked until closed (no other app can open the files)

Merge ReqIF files

Merge attributes one at a time from a ReqIF file to another ReqIF file. Can only be used in standalone mode, meaning the files cannot be opened in other applications.



Open files on each side then select the attributes that needs to be merged and press **Merge** menu item in the top menu. The merge options will be displayed.

🔇 MergeForm	- 🗆 X
Specification: ReqEdit document - 2021-05-04T10_20_3 ID:(_e2b212b-67e3-4f8d-9035-22bd12114de7)	38 Specification: ReqEdit document - 2021-05-04T10_20_38 ID:(_e2b212b-67e3-4f8d-9035-22bd12114de7)
Attribute Set: ID:(_61d0d6a-ffcb-48bb-a4e3-05371ebcd03b)	Attribute Set: ID:(_61d0d6a-ffcb-48bb-a4e3-05371ebcd03b)
Attribute: Comment Attribute-Type:Xhtml	Attribute: Comment Attribute-Type:Xhtml
Merge direction	Nr. objects to merge: 11 of 12
Force Update	
	OK Cancel
ReqEdit merge add-on displayin the options window and the merge	

Merge direction: left to right or right to left, depending on which side of the wizard window are the new and old files

Force update: copies also the empty values from source

After the merge the attributes will be highlighted with green, repeat the merge process for other attributes as well

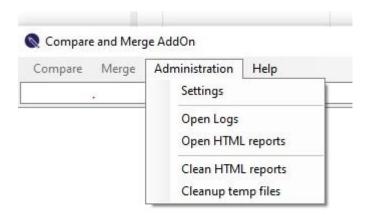
port\Excel test file for import new tableheading.regifz 👝 📰 🛛 Close	port\Excel test file for import new tableheading 1.regifz 📄 🥅	Close
Shrtexter tear inter for import their cablenteading.requit Sheet 1 Type Attribute(s):19 ReqEdit.ExcelRowRefence [Integer] Unique identificator [Integer] Object identificator [Integer] Oname [Xhtml] ReqEft.Text [Xhtml] Ocomment	Sheet1 Type Attribute(s):19 ReqEdit.ExcelRowRefence [Integer] Hierarchy identificator [Integer] Object identificator [Xhtml] ReqIF.ChapterName [Xhtml] ReqIF.Text [Xhtml] Name [Xhtml] Some [Xhtml] Requit identificator [Integer] Modified On [Date] Modified My [Xhtml] Supplier status [Xhtml] Supplier status [Xhtml] Product variant [Xhtml] Supplier status [Xht	close
:39:17 DEBUG:Skip setting atribute for spec object _997a772-f198-4deb-96c2 :39:17 DEBUG:Skip setting atribute for spec object _aceb336-95ac-4ec9-a010 :39:16 DEBUG:Skip setting atribute for spec object _fa327ca-3e85-45c1-b4ad :39:16 DEBUG:Skip setting atribute for spec object _d6a5352-09de-40fa-884 :39:16 DEBUG:Skip setting atribute for spec object _ge9dc4d-10f6-4693-aba7 :39:16 DEBUG:Skip setting atribute for spec object _ge9dc4d-10f6-4693-aba7	0-d73e0d12dcb7 because the values are identical 1-fdd0a0dc612 because the values are identical 1-5ab47cc51832 because the values are identical -b77fd74b6ece because the values are identical	
yright REQTEAM GmbH 2022 HTML Validation: On		

Save the merge results

Clicking the SAVE icon next to the file location will write the merged content into that file, depending on the direction of the merge.

Data management

All files generated by the tool can be managed from the Administration menu.



Compare and Merge AddOn Administration menu

Open Logs – will show the daily logs folder

Open HTML reports - will show the folder of the comparison results

Cleanup HTML reports - will delete all the comparison results

Cleanup temp files – will delete all generated files

Merge Limitations

- Only spec objects with the same ID can be merged
- Only the same type of attributes can be merged
- Opened files are exclusively locked until closed (no other app can open the files)

Logging

The application will produce a debug log containing all the performed actions Log is saved in daily files.

Contents of log files

- Opening files
- Errors
 - Attribute type mismatches
 - No matches found
 - No attributes selected
- Compare statistics
- Merge execution with details
 - Updated values
 - Skip merging causes
 - identical values
 - empty values

Requirement Templates

Templates for Requirement Engineering

ReqEdit offers templates for different use cases between customer and supplier according to <u>Prostep ivip Recommendations</u>. Please keep in mind that only ReqIF Archives (.reqifz) supports images/file attachments.

To open a template click File / New Archive ... You can select from different templates.

Template prostep ivip - All attributes

You can use this template in relation with your suppliers for request clarification for a single product variant use case.

1911						
vip - All attribu	Main Column	Internal Comment	RegIF-WF.Type RegIF-WF.Revision RegIF-WF.Customer	Status RegIF-WF.SupplierStatus	RegIF-WF.CustomerComment RegIF-WF.SupplierComment	RegIF-WF.ProductVarian
Heading e the purpose of quirement	prostep ivip - All attributes template Template description you can find at https://documentation.regite.am.com/reguirement-templates/		Information			
	1 - First Heading		Heading			
	Describe the purpose of this chapter		Information			
	First requirement		Requirement			

Template prostep ivip - All attributes

The template includes the necessary attributes, as

Customer status, with the options Not To Evaluate / To Evaluate / Accepted / Not accepted / To be clarified / Proposed to discard / Discarded.

Supplier status, with the options Agreed / Not Agreed / Agreed with comment/ To be clarified / Discard Deployed.

The attributes of this specification documents are:

	Long Name	Custom Type	Data Type	Last Change	Is editable
	ReqIF.ChapterName	Text	XHTML	15.04.2022	
	ReqIF.Name	Text	XHTML	15.04.2022	\$
	ReqIF.Text	Text	XHTML	15.04.2022	
	Internal Comment	Text	XHTML	15.04.2022	\$
	ReqEditID	Integer	INTEGER	15.04.2022	
	ReqEditModifiedOn	Date	DATE	15.04.2022	0
	ReqEditModifiedBy	String	STRING	15.04.2022	0
	ReqIF.ForeignDeleted	Boolean	BOOLEAN	15.04.2022	0
	ReqIF-WF.Type	Туре	ENUMERATION MULTIVALUED: FALSE	15.04.2022	1
į.	ReqIF-WF.Revision	String	STRING	15.04.2022	V
- ji	ReqIF-WF.CustomerStatus	CustomerStatus	ENUMERATION MULTIVALUED: FALSE	15.04.2022	V
	ReqIF-WF.SupplierStatus	SupplierStatus	ENUMERATION MULTIVALUED: FALSE	15.04.2022	×.
2	ReqIF-WF.CustomerComment	Text	XHTML	15.04.2022	Image: A start of the start
a de	ReqIF-WF.SupplierComment	Text	XHTML	15.04.2022	\$
	ReqIF-WF.ProductVariant	ProductVariant	ENUMERATION MULTIVALUED: FALSE	15.04.2022	1

Attributes added in the template prostep ivip - All attributes

Template prostep ivip - with Product variant

This template helps tracking the statuses of requests if there are more product variants.

The attributes Customer status and Supplier status have the same values as in case of template Template prostep ivip - All attributes.

Data exchange Prostep - with	• • • • • • • • • • • • •							
a prostep ivip - with Produc	Main Column	Internal Comment	RegIF-WF.Type	RegIF-WF.CustomerStatus	RegIF-WF.SupplierStatus	RegIF-WF.CustomerComment	RegIF-WF.SupplierComment	RegIF-WF.ProductVaria
1 - First Heading	prostep ivip - with Product variant template Template description you can find at https://documentation.regiteam.com/reguirement-templatea/		Information					
	1 - First Heading		Heading					
	Describe the purpose of this chapter		Information					
	First requirement		Requirement					

Template prostep ivip - with Product variant

	Long Name	Custom Type	Data Type	Last Change	Is editable
F	ReqIF.ChapterName	Text	XHTML	15.04.2022	 V
	RegIF.Name	Text	XHTML	15.04.2022	~
	ReqIF.Text	Text	XHTML	15.04.2022	 Image: A second s
	Internal Comment	Text	XHTML	15.04.2022	\$
	ReqEditID	Integer	INTEGER	15.04.2022	0
	ReqEditModifiedOn	Date	DATE	15.04.2022	0
	ReqEditModifiedBy	String	STRING	15.04.2022	
	ReqIF.ForeignDeleted	Boolean	BOOLEAN	15.04.2022	0
	ReqIF-WF.Type	Туре	ENUMERATION MULTIVALUED: FALSE	15.04.2022	\$
	ReqIF-WF.CustomerS	CustomerStatus	ENUMERATION MULTIVALUED: FALSE	15.04.2022	\$
	ReqIF-WF.SupplierSta	SupplierStatus	ENUMERATION MULTIVALUED: FALSE	15.04.2022	~
	ReqIF-WF.CustomerC	Text	XHTML	15.04.2022	\$
	ReqIF-WF.SupplierCo	Text	XHTML	15.04.2022	- V
	ReqIF-WF.ProductVari	ProductVariant	ENUMERATION MULTIVALUED: FALSE	15.04.2022	~

Attributes added in the template prostep ivip - with Product variant

Template prostep ivip - with Revision

This template includes an attribute Revision, for use cases where they are needed. The attributes Customer status and Supplier status have the same values as in case of template Template prostep ivip - All attributes.

3	Main Column	Internal Comment	Realf-WF.Type RealF-WF.Revision	Basif of Customeritation	for all the formalized taken	Beatly INF Contemport Comment	Double will Compliant and
Prostep ivip - with Revision 1 - First Heading Describe the purpose of this i First requirement	prostep kip - with Revision template prostep kip - with Revision template Template description you can find at https://documentation.resteam.com/resurement-templates/	incernal commeric	Information	requir-win-customerstatus	reder-wr.supplierstatus	Regir-wr.coscomercommerc	тенци-инг.зыррингсоти
	1 - First Heading		Heading				
	Describe the purpose of this chapter		Information				
	First requirement		Requirement				

Template prostep ivip - with Revision

Long Name	Custom Type	Data Type	Last Change	Is editable
ReqIF.ChapterName	Text	XHTML	15.04.2022	 V
RegIF.Name	Text	XHTML	15.04.2022	Image: A start of the start
ReqIF.Text	Text	XHTML	15.04.2022	Image: A start of the start
Internal Comment	Text	XHTML	15.04.2022	 Image: A set of the set of the
ReqEditID	Integer	INTEGER	15.04.2022	
ReqEditModifiedOn	Date	DATE	15.04.2022	0
ReqEditModifiedBy	String	STRING	15.04.2022	0
ReqIF.ForeignDeleted	Boolean	BOOLEAN	15.04.2022	0
ReqIF-WF.Type	Туре	ENUMERATION MULTIVALUED: FALSE	15.04.2022	1
ReqIF-WF.Revision	String	STRING	15.04.2022	V
ReqIF-WF.CustomerStatus	CustomerStatus	ENUMERATION MULTIVALUED: FALSE	15.04.2022	\$
ReqIF-WF.SupplierStatus	SupplierStatus	ENUMERATION MULTIVALUED: FALSE	15.04.2022	1
ReqIF-WF.CustomerComment	Text	XHTML	15.04.2022	Image: A start of the start
RegIF-WF.SupplierComment	Text	XHTML	15.04.2022	a

Attributes added in template prostep ivip - with Revision

Template prostep ivip - simple

This template includes only the main attributes of a requirement document. The attributes Customer status and Supplier status have the same values as in case of template Template prostep ivip - All attributes. Attributes as Revision or Product variant are not included.

and the second se						
prostep wp - Simple temple © 1 - First Heading	Main Column prostep ivip - Simple template	Internal Comment	RegIF-WF.Type RegIF-WF.CustomerStatus	RegIF-WF.SuppherStatus	RegIF-WF.CustomerComment	RegIF-WF.SupplierComment
	Template description you can find at https://documentation.regteam.com/reguirement-templates/		Information			
	1 - First Heading		Heading			
	Describe the purpose of this chapter		Information			
	First requirement		Requirement			

Template prostep ivip - simple

	Long Name	Custom Type	Data Type	Last Change	Is editable
1	RegIF.ChapterName	Text	XHTML	15.04.2022	 V
7	RegIF.Name	Text	XHTML	15.04.2022	 Image: A second s
5	RegIF.Text	Text	XHTML	15.04.2022	· 🖌
	Internal Comment	Text	XHTML	15.04.2022	1
5	ReqEditID	Integer	INTEGER	15.04.2022	0
1	ReqEditModifiedOn	Date	DATE	15.04.2022	
3	ReqEditModifiedBy	String	STRING	15.04.2022	
-1	ReqIF.ForeignDelet	Boolean	BOOLEAN	15.04.2022	0
	ReqIF-WF.Type	Туре	ENUMERATION MULTIVALUED: FALSE	15.04.2022	\$
	ReqIF-WF.Custome	CustomerStatus	ENUMERATION MULTIVALUED: FALSE	15.04.2022	1
	ReqIF-WF.Supplier	SupplierStatus	ENUMERATION MULTIVALUED: FALSE	15.04.2022	1
	ReqIF-WF.Custome	Text	XHTML	15.04.2022	 Image: A second s
	RegIF-WF.Supplier	Text	XHTML	15.04.2022	1

Attributes added in template prostep ivip - simple

Agile templates

We recommend to use ReqIFz (archive) for the following templates. You can add each of the templates to a single Archive with **File / Add** -> **New document to the current file.** So it's possible to link user stories, bugs and test cases and add images/ file attachments.

Scrum - Backlog

This template can be used to have a list of the client's requirements. You can write epics, user stories, or just mark text as information or heading (in the *Type* column). Different colors for each status help visually the user. Each requirement can have different status: *New / Draft / Final / In Progress / Obsolete / Implemented / Duplicate.* The template includes also "*Business Value*" and "*Definition of Done*" Columns.

-	Alst - Sorum - Buglist regi X Test - Sorum - Test regif X	Description	Type	Status	Rusiness Value	Definition of Done	
■ Template for Backlog documentati ■ 1 - Backlog ■ The program should start on wind Lar a user of the program I want	Template for Backlog documentation Template description you can find at <u>https://documentation.cedeam.com/requirement.templates/</u>		(Jac)				
	1 - Backlog		Heading				
	The program should start on windows		Epic	New			
	As a user of the program I want to be able to start the program on Windows 10.		User Story	Draft			

Scrum - Buglist

This template collects and lists the bugs reported by users / customers / internal stakeholders. The user of the template can set in the Type column Bug / Heading / Information. The column Status can be set as New / Open / In implementation / Solved / Not Fixed. The Column Scope can be set as Installer / GUI / Business logic / Plugins. There are two additional attributes to add the sprint number/iteration, when a bug is fixed, and also a Bug identifier.

Edit View Settings Add-ons			Contractor in the		1				
) () 😊 🖩 🔂 🖉 🛄 🕄	n II i i i i i i i i i i i i i i i i i i		Views All at	tributes (System)					
Backlog - Scrum - Backlog.re 🗙	Buglist - Scrum - Buglist.regi x Test - Scrum - Test.regif	×							
a	Main Column	Description	RegEditID	Туре	Status	Scope	Internal Comments	Bug Identifier	Fixed in Sprint
Template for BuglistTemplate	Template for Buglist								
1 - Buglist	12011 BOOK 80000 BOOK 9000								
This is a generic list of all bu The program does not show cur	Template description you can find at https://documentation.regteam.com/reguirement-templates/		7						
	1 - Buglist		2	Heading					
	This is a generic list of all bugs		4	Information					
	The program does not show current date.		a	Bug	Open	GUI	John: we should adapt the unit testing		

Template Scrum - Backlog

Scrum Test

This template can be used for test documentation. The column Type can set texts as Heading / Information / Test Suite / Test Case / Test step. The Column Status sets as New / Draft / Final / Obsolete / Duplicate. The template includes place for Test description and Expected results.

		Wiener: All attributer /Surt			
	Buglist - Scrum - Buglist reqi x Test - Scrum - Test reqif x	The second secon			
Backlog - Scrum - Backlog.re X	Main Column	Expected result	Test Description	Type	Status
Template for Test documenta 1 - Test Program 1 - Test Program 1.1 - GUI tests - These tests are designed for all - Test Help menu	Template for Test documentation Template description you can find at https://documentation.regteam.com/requirement-templates/	expected result	Test Description	Type	Status
- Clex program - Clex program - Clex on "Help" menu - Clexe program	1 - Test Program			Heading	
	1.1 - GUI tests			Test Suite	
	These tests are designed for all the GU1 elements of our program			Information	
	Test Help menu			Test Case	
	Open programm			Test Step	
	Click on "Help" menu			Test Step	
	Close program			Test Step	

Template Scrum - Test

ReqXML to ReqIF

Simplified XML format for generating ReqIF files with ReqEdit. The XML schema defines that all XML tags MUST be UPPERCASE and all HTML tags MUST be lowercase.

ReqXML Format

The namespace defined for ReqXML is http://www.reqteam.com/reqedit/data-exchange .

Example of a ReqXML file

<exchange-data <="" pre="" xmlns="http://www.reqteam.com/reqedit/data-</th></tr><tr><td><pre>exchange" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"></exchange-data>
<pre>xsi:schemaLocation="http://www.reqteam.com/reqedit/data-exchange</pre>
<pre>file:///D:/Work/ReqEdit/RifSchemas/reqedit_xml/reqedit_xml.xsd"></pre>
<metadata></metadata>
<pre><document-types></document-types></pre> /DOCUMENT-TYPES>
<item-types> </item-types>
····
<pre><documents></documents></pre>
<pre><documents< pre=""></documents<></pre>
NDOCOMENT/
<pre></pre>

Document types - Defines attribute sets for requirement documents

Item types - Defines attribute sets for the requirement objects inside the document.

NOTE: only one item type is supported for one document (multi item type documents are not supported)

Type definition

<item-type></item-type>
<id> a23fe234-236f-45e5-b321-2342117348</id>
<name>All attributes</name>
<attributes></attributes>
<attribute-string></attribute-string>
<name>RequirementsID</name>
<attribute-xhtml></attribute-xhtml>
<name>ChapterName</name>
 BASETYPE>
<id> 8a711c80-1594-48ba-b850-</id>
<name>HTML-TEXT2</name>

<attributering (ap<="" (approximately="" contraction="" contraction)="" th=""><th>JTE-ENUM></th></attributering>	JTE-ENUM>	
<	<pre>(ID> 7e9ac904-9c20-4a97-8d73-</pre>	
535cd189212e	—	
<	NAME>ObjectType	
<	MULTIVALUE>false	
<	(VALUES>	
	<value <="" id="_7e9ac904-9c20-4a97-8d73-</th></tr><tr><th>535cd189212e-Heading" th=""><th>>Heading</th></value>	>Heading
	<value id="_7e9ac904-9c20-4a97-8d73-</th></tr><tr><th>535cd189212e-Informat</th><th>ion">Information</value>	
	<value id="_7e9ac904-9c20-4a97-8d73-</th></tr><tr><th>535cd189212e-Requirem</th><th>nent">Requirement</value>	
<		
<th>BUTE-ENUM></th>	BUTE-ENUM>	

In the example we defined:

- string attribute with name: RequirementID, For a single import is this enough.
- XHTML attribute with name: ChapterName.
- Single Enum attribute with name: ObjectType with values: Heading, Information, Requirement

Document structure

One file can contain multiple documents. Each of the documents must have a reference to the attribute set, which defines the attributes of the document itself. Even if there are no attributes a document type reference needs to be done. Additionally, a NAME need to be defined.

```
<DOCUMENTS>
      <DOCUMENT>
             <ID> 3 f7e0655f-2099-40fe-bfbc-08346abda405</ID>
             <PARENT> 1 f7e0655f-2099-40fe-bfbc-
08346abda405</PARENT>
             <NAME>FOO</NAME>
             <DOCUMENT-TYPE-REF> a23fe234-236f-45e5-b321-
document</DOCUMENT-TYPE-REF>
      <ITEMS>
             <ITEM>
                    <ITEM-TYPE-REF> a23fe234-236f-45e5-b321-
2342117348</ITEM-TYPE-REF>
                    <<u>ATTRIBUTES</u>>
                           <ATTRIBUTE>
                                  <NAME>ChapterName</NAME>
                                  <VALUE>
                                         <div
xmlns="http://www.w3.org/1999/xhtml">First main
chapter.<em>ss</em></div>
                                  </VALUE>
                           </ATTRIBUTE>
                    </ATTRIBUTES>
```

```
</ITEM>
...
</ITEMS>
</DOCUMENT>
...
</DOCUMENTS>
```

Each of the items need to have a reference to an item type which determines the attributes can be used in this requirement and an unique ID for later trace or structure references. To define the attribute reference, use the NAME tag and to set the value the VALUE tag, except the enum attributes.

Enum values always needs to be inside VALUES tag. Even if the Enum is single valued.

<VALUES><VALUE>Heading</VALUE></VALUES>

To build up a tree structure inside the document, it is possible to define parent items (tag PARENT). The value of the tag is the unique ID of the parent item/requirement.

Attribute Types

To define an attribute, you must define a name (NAME tag). Optional you can define an unique ID (ID tag) and a default value (DEFAULT tag). The IDs need to be unique in the complete document and need to be of type XSD:ID (<u>https://www.data2type.de/xml-xslt-xslfo/xml-schema/datentypen-referenz/xs-id/</u>)

Attribute types allowed in ReqXML

Туре	XML Tag	Notes
Boolean	ATTRIBUTE- BOOLEAN	
Integer	ATTRIBUTE- INTEGER	Optionally Minimum (Tag MIN) Maximum (Tag MAX)
Real	ATTRIBUTE-REAL	
Date	ATTRIBUTE-DATE	Date format: 2020-07-23T23:59:59
String	ATTRIBUTE- STRING	Text without any formatting or line breaks
XHTML	ATTRIBUTE-XHTML	Supports line breaks, formatting or attachments
Enumeration	ATTRIBUTE-ENUM	Multivalued Enums (Tag MULTIVALUE with value true / false)

Each attribute needs to refer to a predefined attribute type. For enumerations the valid valued need to be defined

<attribute-enum>

```
<ID>_7e9ac904-9c20-4a97-8d73-535cd189212e</ID>
<NAME>ObjectType</NAME>
<MULTIVALUE>false</MULTIVALUE>
<VALUEs>
<VALUE ID="_7e9ac904-9c20-4a97-8d73-535cd189212e-
Heading">Heading</VALUE>
<VALUE ID="_7e9ac904-9c20-4a97-8d73-535cd189212e-
Information">Information</VALUE>
<VALUE ID="_7e9ac904-9c20-4a97-8d73-535cd189212e-
Information">Information</VALUE>
<VALUE ID="_7e9ac904-9c20-4a97-8d73-535cd189212e-
Requirement">Requirement</VALUE>
</VALUE>
</VALUES>
</ATTRIBUTE-ENUM>
```

XHTML Attributes

For formatted content please use attributes of type XHTML. All content MUST be wrapped in a div tag

```
<div xmlns="http://www.w3.org/1999/xhtml">My formatted ...
content</div>
```

NOTE: The div wrapping is necessary to be able to validate the XHTML content internally.

Limitations

Please keep in mind, that ReqXML is only a preformat for the ReqIF, which does not allow all tags from XHTML. So ReqXML allows only tags which are valid in ReqIF, too. So please use only the basic formatting tags (like cite, em, strong, sup, sub ..) and the predefined heading tags (h1..h6). You can use XHTML Tables and list elements (Tags OL and UL) as well.

In a requirement document the requirements will be linked completely, and not only some words (like in XHTML with the A tag). Please use for tracing definition the link tag of ReqXML to reference between requirements (artefacts)

If you want to reference to external files, please do it only with the tag OBJECT and not with IMG (which is not allowed). Attachments of a single document should be placed in a definite subfolder (which is named like the document itself or its ID).

<object data="./attachments/Anschreiben.docx" type="application/word"> <object data="./attachments/Anschreiben.png" type="image/png">this is an alternative text</object></object>

It is recommended to create for each of the attached files a small preview, so the requirements engineer could have a quick impression about the content inside the file. Previews has to have PNG format!

For more advanced users, which are already experience with XML Schema the list of valid tags can be traced down in the XML Schema file located at ReqEdit in the

folder <<*PATH to REQEDIT*>>*ReqEdit\RifSchemas\reqif\driver.xsd* and referenced schema files inside.

Relevant ReqIF attribute naming

If you want to use your data in **Requirement Management** systems or want to have a correctly display the data in ReqEdit, please use the following naming conventions:

Attribute Name	Туре	Description
ReqIF.ChapterName	XHTML	Requirements heading
ReqIF.Name	XHTML	Short description
ReqIF.Text	XHTML	Requirements text
ReqIF.ForeignDeleted	BOOLEAN	Display this item as deleted if set to true
Reqlf.ForeignID	INTEGER	ID given by the source RM system
ReqIF.ForeignCreatedBy	STRING	User that created this item
ReqIF.ForeignCreatedOn	DATE	Date the item was created
ReqIF.ForeignModifiedBy	STRING	User last modified the item
LAST-CHANGE attribute of item	DATE	Modification date of the item
ReqIF.ChapterNumber	STRING	The chapter number

Best practices

- Please avoid defining a heading and requirements text in one item/requirement.
- Use only headings as structuring element, if its possible
- Please use long IDs (preferred UUIDs) for the unique IDs, so the chance is low to have the same ID for two elements in your complete project.
- Don't use the same attribute names inside the same type definition
- Don't use the same value inside the same Enum definition

IBM specific SAME-AS mapping

DOORS Next support the possibility to define different attributes for different documents, but the meaning of the attribute is identic. To avoid creating multiple instances of the same attribute it is possible to determine a SAME-AS tag with an URL content, that says to DNG not to create the attribute multiple times. This definition needs to be done in the document types or item types definition of the specific attribute

```
<ATTRIBUTE-DATE>
<NAME>LastModified</NAME>
<SAME-AS>http://purl.org/dc/terms/modified</SAME-AS>
</ATTRIBUTE-DATE>
```

Updates

If you plan multiple imports of the same document for updates, it is recommended to fix down the Attribute Ids and the referred base type. These values will be stored in the RM system (like DOORS or Polarion) and could be later updated easily. To do so, please define for each of the attributes a unique ID.

For Enum values (Tags VALUES) please define the valid values (Tag VALUE). The definition of unique IDs is only necessary if you plan an update import.

Traces

It is possible to define links between the different items (not necessarily in the same document, but in the same file). The block LINKS should follow the ATTRIBUTES tag inside the item/requirement.



The reference to the document is not necessary, if the ID can be identified in the file. The attribute TARGET holds the unique ID of the target item. The Attribute DOCUMENT-REF is the unique ID of the document, where the item ID should be in.

Encrypt /Decrypt files

The En-/Decrypt file feature encrypts files with password. The Encrypt function supports the following encryption formats:

Encrypt method	File extension type	Encryption characteristics
AES-256 - WinZip and 7zip compatible	.reqenc	the password is re-hashed multiple times
Zip compatible	.reqzip	password is not hashed, so it could be opened in windows with the correct password

Encryption method types

Encrypt a file by SAVE AS

File name:	Test document Specifications_imported.reqenc		~
Save as type:	ReqEdit Encrypted File (*.reqenc, *.reqzip)		Ý
	Archive ReqIF files (*.reqifz, *.zip)		
	ReqEdit Encrypted File (*.regenc, *.regzip)		
 Hide Folders 		odve	Cancer

Save as window type selector displaying ReqEdit Encrypted File

First open the file you want to be encrypted. To encrypt a file choose File/Save as ... menu. Select ReqEdit Encrypted File (*reqenc, *.reqzip) as file type then click SAVE.

A window appears to set the password for encryption. Password has to be minimum 6 characters.

Reenter Password:	
7zip/WinZip compatible	
Password is hashed	
ved with PBKDF2 multiple times	
hide original filename	
	Password is hashed ved with PBKDF2 multiple times

File Encrypt pop-up window

The encrypted file is saved in the given folder.

Decrypt a file by OPEN

To decrypt a file, open ReqEdit and from the File / Open menu select the encrypted file with the extensions: *.reqenc, *.reqzip and click Open

Decrypt File	×
Password	
Show password	
Security Info	
The file will be decrypted and opened	
All changes will be done on the decrypted file	
To encrypt a file: SAVE changes, then SAVE AS encrypted	
Open Cancel	

Decrypt File pop-up window

A pop up window appears, where you can fill in the password given during the encryption process. Then click Open. A confirmation message appears and after clicking on OK the file opens.

Batch Mode Automatization

ReqEdit can be used without GUI in a command line to import or export ReqIF files.

Batch mode functionality:

- Import RIF1.1a to ReqIF
- Export ReqIF to RIF1.1a
- Import from MS Word (.docx) to RegIF
- REQXML to ReqIF, read the xml format specification

Examples

Import from a RIF11a to a ReqIF file

```
ReqEdit.exe -batch -in "D:\Workplace\Input
Folder\requirements.zip" -out "D:\Workplace\Output Folder" -
mapping "D:\ Workplace\RifToReqif.txt" -jobid "001" -logfile
"D:\Workplace\Log.txt"
```

Export from a ReqIF to a RIF11a file

```
ReqEdit.exe -batch -in "D:\Workplace\Input
Folder\requirements.reqifz" -out "D:\Workplace\Output Folder" -
mapping "D:\ Workplace\ReqifToRif.txt" -jobid "002" -outtype
RIF11a -logfile "D:\Workplace\Log.txt"
```

Export from a ReqIF to a REQIF DNG file (obsolete)

ReqEdit.exe -batch -in "D:\Workplace\Input
Folder\requirements.reqifz" -out "D:\Workplace\Output Folder" jobid "003" -outtype REQIFDNG -logfile "D:\Workplace\Log.txt"

Import from a Word .docx to a ReqIF file

ReqEdit.exe -batch -in "D:\Workplace\Input Folder\requirements.docx" -out "D:\Workplace\Output Folder" mapping "D:\ Workplace\WordToReqif.txt" -jobid "004" -logfile "D:\Workplace\Log.txt" -keephierarchy removechapternumberings -tables -attachments -images attributetable row

Import from REQXML to ReqIF file, read more here: REQXML format

```
ReqEdit.exe -batch -in "D:\Workplace\Input
Folder\requirements.reqxml"
-out "D:\Workplace\Output Folder" -jobid "003"
-mapping "D:\ Workplace\ReqXmltoReqIF.txt" -logfile
"D:\Workplace\Log.txt"
```

Parameters

General batch parameters

-batch	mandatory enable batch mode without displaying GUI
-in	mandatory indicates the input file
-out	mandatory indicates the output folder
- mapping	optional used only for ReqIF~RIF conversions if a mapping is not specified, the default mapping of the system attributes is used
-jobid	optional sets a custom prefix for the output file if not set, the output file will have a datetime prefix
-logfile	optional indicate the absolute path to the user desired logfile if the logfile already exists, the new information will be appended if not specified, the logs will be written to the standard ReqEdit log

ReqIF and RIF import/export parameters

	_	indicate the output type
		possible values are "RIF11a", "REQIF" or "REQIFDNG" for Rational DOORS
		Next Generation compatible files

Word import parameters

-keephierarchy	optional will recreate the parent/child hierarchy in the Word file based on Heading levels. If not enabled, all Headings will be displayed on the first level
- removechapternumberings	optional removes manual chapter numberings
-tables	optional all tables will be converted to a ReqIF compatible (HTML) table, else all tables in the file will be ignored
-attachments	optional embedded objects (Word (rtf, doc, docx), Excel (xls, xlsx), Powerpoint (ppt, pptx)) in the Word document will be imported to ReqIFz file and referenced inside the ReqIF object, else all objects in the Word file will be ignored
-images	optional embedded images (JPG, PNG, BMP) in the Word document will be imported to ReqIFz file and referenced inside the ReqIF object, else all images in the Word file will be ignored
-attributetable	optional possible values "row" or "column" the word document parser will look in the first row/column of all tables for the values given in the mapping file to assert if the table should be treated as an attribute table

NOTE: Parameter values which contain empty spaces or special characters like slash, backslash and others, need to be written between quotes

Mapping file

The mapping files are used to translate attribute names from RIF to ReqIF standard and vice-versa. The mapping file is a simple .txt file with the format shown below in two examples with IBM DOORS system attribute names and two custom attributes displayed with red text.

Example of a RifToReqif mapping file

```
Absolute Number - ReqIF.ForeignID
Created By - ReqIF.ForeignCreatedBy
Created On - ReqIF.ForeignCreatedOn
Created Thru - ReqIF.ForeignCreatedThru
Last Modified By - ReqIF.ForeignModifiedBy
Object Heading - ReqIF.ChapterName
Object Number - ReqIF.ChapterNumber
Object Short Text - ReqIF.Name
```

```
Object Text - ReqIF.Text
Description - ReqIF.Description
Customer_Description - Supplier_Description
Customer Status - Supplier Status
```

Example of a ReqifToRif mapping file

ReqIF.ForeignID - Absolute Number
ReqIF.ForeignCreatedBy - Created By
ReqIF.ForeignCreatedOn - Created On
ReqIF.ForeignCreatedThru - Created Thru
ReqIF.ForeignModifiedBy - Last Modified By
ReqIF.ChapterName - Object Heading
ReqIF.ChapterNumber - Object Number
ReqIF.Name - Object Short Text
ReqIF.Text - Object Text
ReqIF.Description - Description
Supplier Description - Customer Description
Supplier Status - Customer Status

Example of a WordToReqif mapping file

ID		ReqIF.ForeignID	integer
Heading		ReqIF.ChapterName	text
Text		ReqIF.Text	text
Customer Desc		Supplier Descr	text
Release Date		Release Date	date: dd.MM.yyyy
Price		Price	real: .

Example of a REQXML to ReqIF mapping file

```
Last Modified By - ReqIF.ForeignModifiedBy
Object Heading - ReqIF.ChapterName
Object Number - ReqIF.ChapterNumber
Object Short Text - ReqIF.Name
Object Text - ReqIF.Text
Customer_Description - Supplier_Description
Customer Status - Supplier Status
```

REQXML

This is a simplified custom XML format to speed up data exchange to ReqIF format. Read here the <u>REQXML documentation</u>.

Output files

If the target type is ReqIF or ReqIF DNG, there will be only one output file (reqif or reqifz)

If the target type is single Spec RIF, there will be only one output file (xml or zip)

If the target type is multi Spec RIF, there will be one output file for each Specification (xml or zip); the file names will contain the names of the specifications

Logging

For each batch operation, an entry will be added to the logfile. Each entry will contain the date and time of the operation, the input and output file(s) path and names, the output file(s) type and the job ID.

If an error occurs during the operation, the report will include an exit code and message. You can see the complete list of exit codes and messages below.

General Exit Codes

5	Batch Feature ID is missing
10	Error during Conversion
20	Mandatory Parameter "batch" is missing
21	Mandatory Parameter "in" is missing
22	Mandatory Parameter "out" is missing
23	Invalid output type value
24	Job id can not be empty
25	Has invalid parameter
26	Incompatible output type value

Input File Related Exit Codes

ľ	100	Input File has not defined type (Autodatestion faile)
	110	Input File is not readable or does not exist

120 Input File has not defined type (Autodetection fails)

130 Input File is not valid (Schema validation fails)

Output File Related Exit Codes

-

	210	0 Not enough space in output folder (3*size of input file required to be free		
220 Outpu		Outputfolder is not writable		
240 Output folder does not exist				

Mapping File Related Exit Codes

310 Mapping file does not exist or is not readable

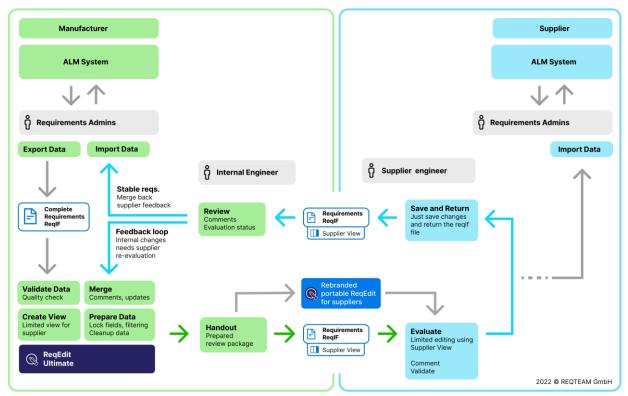
320	Mapping file has wrong format
-----	-------------------------------

Log File Related Exit Codes

	410	Access denied; Cannot create not existing log file on creation mode
ſ	411	Access denied; Cannot write to existing log file on update mode

ReqEdit supply chain

Use ReqEdit in your supply-chain to minimize data loss and risk factors. Give your suppliers the possibility to use ReqIF requirements with our software.



ReqEdit Supply Chain solution package including ReqEdit Ultimate on the Manufacturer side and ReqEdit Supplier edition on the Supplier side, diagram illustrates the data exchange between the participants with recommended actions

The package

ReqEdit Ultimate

Starting from 5 network licenses

Internal use within the company

All add-ons are included

ReqEdit Supplier edition

Unlimited licenses

External use by suppliers

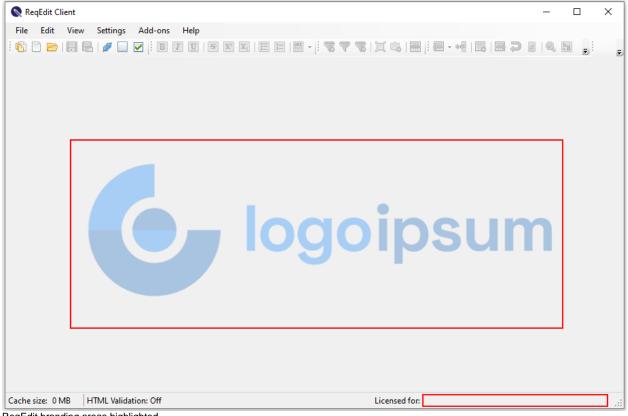
Can only fill in specific data

ReqEdit supplier edition

ReqEdit can be branded and distributed to suppliers. Licensing terms and conditions can be configured to accommodate different use cases.

Branding

The main content area of the application can display your logo image, and on the bottom license area the company name can also be included.



ReqEdit branding areas highlighted

Licensing

Whitelabeling uses only a time limited license without locking to a specific machine. Specific license text can be included to represent the usage terms and conditions for the supplier.

Promoting ReqIF format

As your company grows and the requirements are more and more sophisticated, lossless data transfers are a key factor to minimize communication errors and production delays.

Some of the benefits of using ReqIF format include:

Structured data

Lossless data exchange

Traceability

Lossless data round trips between tools

Suppliers can participate in this data exchange easily by offering ReqEdit to them.