



Release Notes

MATRIXSPECS: Validation (VALID)

Date: 2017/08/21 14:54:19

Document: MRM-1003-RN (0073)

Page: 1 / 9

RELEASE NOTES

SOFTWARE IDENTIFICATION

Matrix Requirements Medical Release 1.11

This is a major update from the 1.10 release. The main changes are:

- Agile Sync module
- Project groups: easier project selection for customers with many projects
- GitHub plugin
- Import a full word document as a DOC
- Import a word document in a rich text field
- Export a whole project to Excel (very useful for risk tables)
- New document sections (dropdown, date, traceability matrix, risk report)
- Visual highlight of differences between 2 items
- Item locking
- New admin client (a lot easier and more powerful)
- New user manual (<https://docs.matrixreq.com>)
- Speed performance increase for big projects load and reports/documents
- Risk Configuration: combined risk mitigations
- Keyboard shortcuts (faster interaction)
- Smart links improvement (including cross-project links)
- Test execution parameters and deeper inclusion

NEW FUNCTIONALITY

F-FEAT-25 Release 1.11

F-FEAT-31 New Module - Agile Sync

FEAT-209 Sync API

The sync API allows to write java code which extracts information from project management and ticketing tools in order to import them into Matrix as items in specified sync categories.

The sync API comes with example code for the following tools:

- Visual Team Foundation
- Confluence
- JIRA
- Pivotal

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Page: 2 / 9

FEAT-210 Item Syncing

Sync items in Matrix show information about the items origin (e.g. version, tool etc) and the sync state. These items can be synced to standard Matrix items in other categories.

Once synced, the difference between the synced items and the standard Matrix items (e.g. design input, output or tests) can be visualized.

If there differences they can be resolved by overwriting the standard Matrix Item or by manually merging the changes.

FEAT-211 Sync Dashboard

The sync dashboard allows to sync multiple items in a single operation.

F-FEAT-26 New Features

FEAT-147 Risk Configuration: combined risk mitigations

Instead of reducing the risk factors per risk control, risks can now be configured to have the possibility to manually set the risk factors after the combined risk controls.

FEAT-148 Keyboard shortcuts

Note: this feature is not available on Edge ...

Press Ctrl-? to get a list of keyboard shortcuts.

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Keyboard Shortcuts

Global

ctrl - ?	Show help dialog	ctrl - \	Search
/ item id - space	Search and select item in tree		

Item Editing/Creation

ctrl - 1	click on 1st create / select button	ctrl - 2	click on 2nd create / select button
ctrl - 3	click on 3rd create / select button	ctrl - 4	click on 4th create / select button
ctrl - s	save item, create in new item dialog, select in item select dialog		

Documents

ctrl - right arrow	open sections in document	ctrl - left arrow	close sections in document
right arrow	open current section	up arrow	section up
left arrow	open current section	down arrow	section down
ctrl - space	download document		

Text Editor

ctrl - b	bold	ctrl - i	italic
ctrl - u	underline	ctrl - k	hyperlink
ctrl - shift - 7	list	ctrl - shift - 8	numbered list
ctrl - enter	horizontal line		

Table Control

tab	next cell (right)	shift - tab	previous cell (left)
ctrl - enter	above cell (top)	shift - enter	open / close text editor
esc	cancel edit		

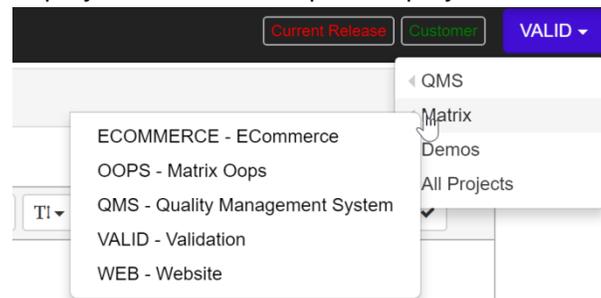
Tree Navigation

arrow down	down	arrow right	open folder
arrow up	up	arrow left	close folder
space	select/show item		

Close

FEAT-150 Project groups

It is possible to define groups of projects which show up in the project selection menu:



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Page: 4 / 9

FEAT-153 Text Editor: fields are now user resizable

It is now possible to resize the the richtext fields by dragging the resize bar down or up:



If the shift key is is pressed during the drag, the default size for the this field in this category is changed otherwise only the one field in the selected item.

The new size is stored per user in the browser.

FEAT-158 Smart Links: New smart link options and UI

ITEM-ID is rendered as hyperlink to an item in the same project, e.g. [ITEM-ID](#)

ITEM-ID! shows the item id as link and the items title newxt to it, e.g. [ITEM-ID](#) Item Title

ITEM-ID+ shows the item id with it's title as link [ITEM-ID Item Title](#)

Cross project links

#SOMETHING|PROJECT-ITEM-ID# is shown as a hyperlink into another project, e.g. [SOMETHING](#)

#PROJECT-ITEM-ID# is shown as a hyperlink into another project, e.g. [PROJECT-ITEM-ID](#)

Smart links in rich text fields, can now be added through smart text menu.

FEAT-159 Test Execution: Parameterized tests

It is now possible to include test cases, passing variables into the included test case. Inside the test case these variables will be replaced. The variables must be surrounded by \$ signs, e.g.

- login as user \$user\$

The syntax is the same as used to pass values with an URL, e.g.

- include:TC-1?user=admin&password=pw1

FEAT-189 Copy and paste in tables

It is now possible to copy and paste test steps from one test case into other test cases. To do so

- select one or more rows and press ctrl-c
- select one row in the target test case and press ctrl-v

The copied tests step will be added above the selected row

FEAT-179 Document Section: New Traceability matrix

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This new section type allows to render a trace table with two columns. The first column are selected items of one category (e.g. REQ) and the second a references from another category (like TC), if there are down-links from the first to the second.

FEAT-198 Document Section: New risk analysis/ statistics

A new section type - "Risk Analysis" - allows to add conglomerated information about risks to documents, such as

- a risk overview table. Note: this table will be hard to print, so after creation it might be necessary to reformat it in the produced word document before printing.
- statistics,
- test coverage,
- etc.

Note: some of this information might not be working depending on the configuration of the risks.

FEAT-194 Document Section: New dropdown control

There is a new section "(Multi-) Select" which allows you to put a drop down control in documents. The dropdown options are configured - like other dropdown fields - per project setting.

FEAT-200 Document Sections: New date field option in documents

Besides the date field for electronic signatures which is filled automatically it is now also possible to add user selectable date fields to document tables.

FEAT-185 Text Editor: Automatic import and formatting of images

When copy and pasting html with images into Matrix, the images will be automatically formatted to fit on an A4/letter size document, they will also be imported into the Matrix database.

In case the import is not possible, an error bar will be displayed in the editor.

FEAT-193 Item History: Differences highlighting in history

In the history view of an item, when a user selects 2 or more versions, we are now highlighting in each version the difference from the previously displayed version.

FEAT-199 Item Locking: Possibility to lock items by setting a specific label

It is possible to configure labels which when set prevent the user from editing an item.

Only some defined people (lockKeeper) can reset the label to allow editing.

```
{  
"locks": [  

```

```
{ "label": "FDA", "lockKeeper": [ "wolfgang" ] }  
]  
}
```

FEAT-201 Text Editor: Word (DOCX) import option

When dropping a word document into a rich text field you will be asked whether to upload and link the document or to convert and add the content of the file into the rich text field.

FEAT-202 DOC creation from word

New DOC items can now be created by uploading a WORD document. Each chapter of the word document will be converted into a rich text block.

FEAT-188 New Admin Client

A new admin client allows simpler and more deep configuration changes.

FEAT-208 Excel export

Projects can now be exported as an Excel file

FEAT-213 GitHub plugin

We now have the a new GitHub plugin that allows to link Matrix items to GitHub tickets

F-FEAT-27 Improvements

FEAT-118 Tables: New cell type - item references

Now it is possible to configure table cells which show item references to items.
The references can be shown with or without titles.

FEAT-119 Tables: with fixed number of rows

Tables can now be configured so that they always have a fixed number of rows (no rows can be added or removed)

FEAT-183 Tables: Allow copy text of read only (e.g. XTC) cells

Now it is possible to copy text from a test action / result cells.

FEAT-186 Test Creation: Now full text editor can be used for table cells during item creation

Before the full text editor for table cells was disabled while the item create dialog was open.

FEAT-164 Test Execution: Deep test inclusions

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It is now possible to include test cases which include other test cases.

In case there are circular inclusions an error will displayed and the created XTC will show where the recursion was aborted.

FEAT-169 Reports: do not show error for up/downlinks if links exist but target category is not included

If a report is created with a category which has down- or uplinks to another category which is not included, no more errors are shown.

FEAT-172 Text Editor: Improved cut and paste / formatting cleanup

Copying pre-formatted text into a text field will make sure the text is formatted in such a way that it can be edited and printed correctly.

An undo will restore the pasted text formatting to look more like the originally formatted text.

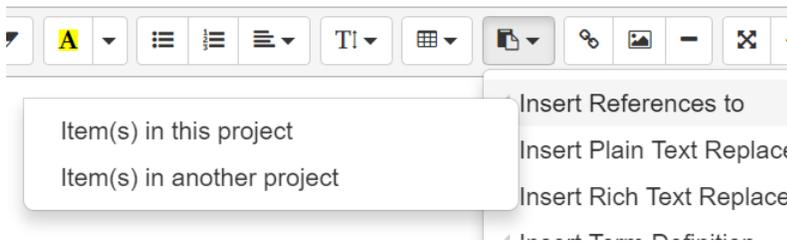
Existing rich text fields can be reformatted the same way by clicking on the remove format button with shift pressed.

FEAT-176 Text Editor: Improved List Editing

The text editor allows now to indent multiple items of a list with one click.

FEAT-182 Text Editor: User interface to add smart links and cross project links

The toolbar of the editor has now an option to add hyperlinks into the text editor.



For links into the same project, you can choose to automatically add the title.

For links into other projects you can choose what is displayed in for the link, by default PROJECT/ITEM.

FEAT-175 Document Section: Allow to show the whole traceability for items

Now it is possible to configure list of items in document in such a way that up- and downlinks are shown as trees instead of just the next level down.

FEAT-205 Document Section: Allow to show only up or only downlinks

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Added options to show only up or downlinks when showing items in documents.

FEAT-195 Document Sections: If no input was selected by user the documents now say so

FEAT-177 Document Sections: Improved Section Management

The available section types are now selectable from a grouped menu.

FEAT-180 Activity Stream: shows now adding and removing of references

FEAT-191 Performance Increase: Loading projects

Loading / Switching between projects is about 3x faster.

FEAT-192 Performance Increase: Reports

Creating reports is up to 50 times faster for big projects.

FEAT-187 Fields: Uplink fields can be configured to allow to remove links

If itemInfo is set to **reflistedit** uplinks can be removed.

```
1 {  
2   "exists":true,  
3   "cats":"REX",  
4   "icon":"fa fa-exclamation-triangle",  
5   "iconfg":"grey",  
6   "iconbg":"black",  
7   "text":"Derived from: ",  
8   "itemInfo": "reflistedit"  
9 }  
10 |
```

FEAT-212 Super and subscript in text editor

Added keyboard shortcuts to create superscript (CTR-SHIFT-5) and subscript (CTRL-SHIFT-6) text.

F-FEAT-28 Bug Fixes

FEAT-149 Search for percent sign on server did not work

Searching for % on server showed an error message.

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Page: 9 / 9

FEAT-154 Reference dialog showed not working create buttons for readonly users

Now the create buttons are only visible for users who can create links.

FEAT-155 Some risk tooltips did not disappear automatically

Some risk tooltips never disappeared.

FEAT-166 Client changing password removed signature images

FEAT-171 It was possible to move the tree sidebar out of the screen

FEAT-204 The gray preview of issues sometime stayed visible

When looking at the preview and moving the mouse out of the browser window quickly sometimes the preview windows stays open. Now it has an explicit close button

FEAT-206 Renaming top level folder would not update tree

When renaming the top level folder, the tree did not update (and showed the category name instead)

KNOWN ISSUES

MATRIX-1643 Change count used for calendar coloring incorrect

Note: normally this can this can only be seen as a slightly different shade of grey than it should be

MATRIX-2073 Drag and drop does not work in Edge

Note: Edge does not yet implement the basic drag and drop support for files

SIGNATURES

Signature Meaning	Name	Title	Date	Signature
Approved By	Wolfgang Huber	CEO	2017/08/21	 sign-p14-i37413-b20170821125511272
Approved By	Yves Berquin	CEO	2017/08/21	 sign-p14-i37413-b20170821125616394

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