



EUROPEAN COMMISSION  
EUROSTAT

Directorate B: Methodology, corporate statistical and IT services  
**Unit B-3: IT for Statistical Production**

## **Release Notes for the Validation Rule Manager**

# **VRM - Release Notes**

**version 0.7.0-SNAPSHOT**

**Commission Européenne, 2920 Luxembourg, LUXEMBOURG - Tel. +352 43011**



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# **VRM - Release Notes: Release Notes for the Validation Rule Manager**

by Commission Européenne, 2920 Luxembourg, LUXEMBOURG - Tel. +352 43011

version 0.7.0-SNAPSHOT

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# Chapter 1. Version 0.5.0.200518-a

Date: 2020-05-18

## 1.1. New Features

- New file icon in the side menu allows to create new file
- Added tooltips to the menu items and bottom bar [\[VRM-22\]](#)
- Help icon in the side menu opens a new window with a user manual [\[VRM-97\]](#)

## 1.2. Improvements

- If current file has unsaved changes when you create new or open another file, you are prompted to save the current file, discard changes or cancel the action [\[VRM-41\]](#)
- Error box can now be resized with mouse drag [\[VRM-19\]](#)
- Keyboard shortcuts for creating new file, saving file, opening new file and opening documentation [\[VRM-22\]](#)



# Chapter 2. Version 0.4.0.200427-a

Date: 2020-04-27

## 2.1. New Features

- Errors found in the VTL code are listed in the error panel at the bottom of the screen [\[VRM-19\]](#)
- For specific VTL functions autocomplete feature inserts snippets (whole syntax with related keywords and parentheses) into the edited code [\[VRM-17\]](#)
- You can select VTL grammar version (2.0 or 3.0) in the settings panel [\[VRM-21\]](#)

## 2.2. Improvements

- Editor now supports version 3.0 of VTL grammar [\[VRM-21\]](#)
- Autocomplete suggestions now contain detailed syntax and short description of keyword or function [\[VRM-16\]](#)
- Editor remembers its configuration and contents after you close or refresh the page

## 2.3. Fixes

- Round and angle brackets are now colored properly [\[VRM-14\]](#)
- Brackets pairs are matched properly

## 2.4. Technical details

- Autocomplete items are listed in static source files for each existing grammar providing extra details and help content [\[VRM-16\]](#)
- For new grammars when there aren't static files autocomplete items are created automatically from grammar file [\[VRM-18\]](#)
- Editor configuration and contents are preserved in the local storage in the browser



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# Chapter 3. Version 0.3.0.200415-a

Date: 2020-04-15

## 3.1. New Features

- Edited VTL code can be saved in a file on local disk [\[VRM-42\]](#)
- Text file with VTL code can be loaded from local disk into the editor [\[VRM-41\]](#)
- Icons in the side menu (on the left) allow to save and open file, and to display settings [\[VRM-22\]](#)
- Editor has four color schemes to choose from in the settings panel

## 3.2. Technical details

- Added configuration for deployment on WebLogic and Tomcat application servers [\[VRM-85\]](#) [\[VRM-87\]](#)



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# Chapter 4. Version 0.2.0.200325-a

Date: 2020-03-25

## 4.1. New Features

- Editor shows autocomplete suggestions for keywords and functions [\[VRM-16\]](#)

## 4.2. Improvements

- All VTL code elements are highlighted [\[VRM-14\]](#)

## 4.3. Technical details

- Items for autocomplete feature are loaded from VTL grammar [\[VRM-18\]](#)
- Keywords and operators for highlighting feature are loaded from VTL grammar [\[VRM-15\]](#)



# Chapter 5. Version 0.1.0.200313-a

Date: 2020-03-13

## 5.1. New Features

- Integrated Monaco editor allows to edit VTL code [\[VRM-68\]](#)
- Syntax of entered code is validated against VTL grammar [\[VRM-19\]](#)
- Basic user interface with top banner and bar and side menu mock [\[VRM-22\]](#)
- Monaco minimap enabled for easier navigation in the file [\[VRM-22\]](#)
- Some VTL code elements are highlighted as per their category [\[VRM-14\]](#)

## 5.2. Technical details

- Base application generated with [Create React App](#) [\[VRM-70\]](#)
- Parsing classes for VTL grammar generated with Antlr4 [\[VRM-21\]](#)
- Monaco editor connected with Antlr4 parsing classes for VTL syntax validation [\[VRM-19\]](#)