KIELER SCCharts Release 0.12

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- Official Project Website
- Built on Eclipse 4.6 "Neon"

We are happy to provide a new release of the **Kiel Integrated Environment for Layout Eclipse Rich Client SCCharts Editor and Compiler**!

- Installation
- Release Notes
    - New Features included in 0.12.0 (Apr 25, 2017)
    - BugFixes included in 0.12.1 (Jul 26, 2017)
    - BugFixes included in 0.12.2 (Sep 06, 2017)
- Known Problems and Limitations
- Bug Reports, Comments

Installation

You can either download the Rich Client Application (RCA) which is a self-contained application bundled with everything you need to run KIELER SCCharts, or you can install the single KIELER SCCharts features via an update site on top of your own Eclipse installation.

- See the KIELER Downloads site for download details.
- You'll require a Java Runtime Environment >= version 1.8.
- The layout components of the Eclipse Layout Kernel can make use of the layout algorithms provided by the Graphviz library. You may want to install that as well.

Release Notes

The 0.12.0 release comes with the following changes.

New Features included in 0.12.0 (Apr 25, 2017)

- Support of incremental diagram updates for SCCharts
- Java-based simulation + active state simulation visualization
- Revised analyses

BugFixes included in 0.12.1 (Jul 26, 2017)

Key	Summary	T
KISEMA-1208	createIntDeclaration returns wrong type	🟥
KISEMA-1199	Float vs Double in Java code generation is broken	🟥
KISEMA-1198	Add relative min= function	🟩
KISEMA-1182	Dependency of concurrent array-access is not detected	🟥
KISEMA-1181	Variable in array index is not considered as read dependency	🟥
KISEMA-1180	Array index lost in referenced SCChart of higher level	🟥
KISEMA-1176	SCCharts Normalization fails	🟥
KISEMA-1154	SCG: SCGs with only one guard do not execute effects	🟥
KISEMA-1152	Unable to bind references to Array components	🟩
KISEMA-1150	Negative number as const	🟥

BugFixes included in 0.12.2 (Sep 06, 2017)

- SCL editor is now working again
- Improved version of data flow view for SCCharts

Known Problems and Limitations

Bug Reports, Comments

We're working hard to make the graphical modeling user experience as convenient as possible. However, bugs can still remain in the code and some things might not be as you would expect them. Please don't hesitate to send in bug reports or give other comments like feature requests.

Send bug reports to kieler@…, please. For news or general questions subscribe to the rt-kieler mailing list.