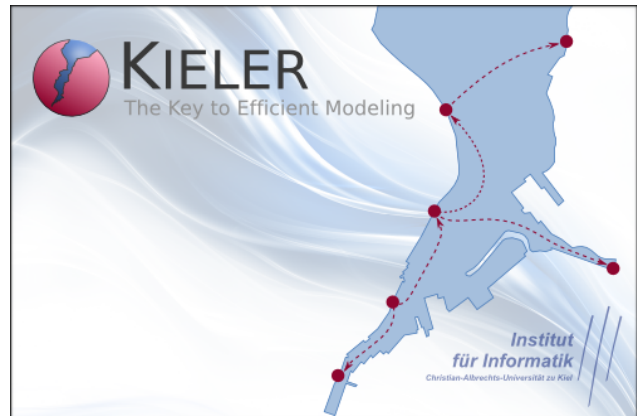


Downloads

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All download packages available on this page are subject to the [Eclipse Public License \(EPL\)](#). **Further licenses may apply** to bundled components as noted at the [bottom](#) of this page.

Standalone Applications

SCCharts Editor and Compiler

The [KIeler SCCharts](#) Product includes the SCCharts editor and compiler. You may also like to download an [SCCharts Tutorial](#) or the [SCCharts Cheat Sheet](#).

Release 0.12.2

KIeler SCCharts Product v. 0.12.2 (2017-09-06, based on Eclipse 4.6 Neon). Available platforms:

- Linux: x86 32bit or x86 64bit
- Mac OS X: x86 64bit
- Windows: x86 32bit or x86 64bit

Nightly Builds

- <http://rtsys.informatik.uni-kiel.de/~kieler/files/nightly/sccharts/>

Ptolemy Browser

The KIeler Ptolemy Browser is a special light-weight stand-alone distribution of our Ptolemy Browser feature. Simply download the version appropriate to your platform and start browsing!

Release

KIeler Ptolemy Browser v. 2016-02. [Download from here!](#)

Nightly Builds

- <http://rtsys.informatik.uni-kiel.de/~kieler/files/nightly/ptolemybrowser/>

Layout Web Server

Headless Eclipse application for running a web server for the [KIeler graph layout service](#). The server includes the KIeler layouters, Graph viz, and OGDf. A nightly built version of the server is running its service at <http://layout.rtsys.informatik.uni-kiel.de:9442/layout> (see generated

info page).

Release

KWebS Sever v. 0.3.0 (53 MB). Available platforms:

- Linux: x86 32bit or x86 64bit
- Mac OS X: x86 32bit or x86 64bit
- Windows: x86 32bit or x86 64bit

Nightly Build

- <http://rtsys.informatik.uni-kiel.de/~kieler/files/nightly/kwebs/>

Web Service Tool (Command-Line)

Command-line tool for graph layout using the [KIELER graph layout service](#). Use the help command-line argument for usage information. Service meta-data information, including a list of algorithms, options, and file formats, are available at <http://layout.rtsys.informatik.uni-kiel.de:9444/index.html>. If unambiguous, it is sufficient to write only the last segment of layout option, algorithm, and file format identifiers.

Example usage: To send the file *kennedyanc.dot* to the server and write the result to *kennedyanc_out.svg*, use the following command:

```
java -jar kwebs.jar infile=kennedyanc.dot outfile=kennedyanc_out.svg
```

In this case the input file format is automatically recognized as *Graphviz Dot* and the output file format is recognized as *SVG* from the file extensions. If you only need graph format conversion without layout, use the option *--noLayout*.

The package can also be used as a Java class library: use *de.cau.cs.kieler.kwebs.tools.ConsoleClient.connect(String)* to create a layout service port. For example, to request layout on the graph "graph" at the server address "server", use:

```
ConsoleClient.connect(server).graphLayout(graph, informat, outformat, options);
```

The strings "informat" and "outformat" are the graph format identifiers for input and output, respectively, and "options" is a list of "GraphLayoutOption" instances, which are used to map layout option identifiers to specific values (use *Collections.emptyList()* for default values). The output graph format may be *null*, in which case the output format is the same as the input format.

Release

- [KWeBS Tool v. 0.3.0](#) (51 KB)

Eclipse Update Sites

Pragmatics Update Site

Install the KIELER features into your own Eclipse installation.

Release

- Always up-to-date update site: [Compound Update Site](#)
- Release-specific update site: [Pragmatics v. 2016-07 Update Site](#)
- [Zipped update site](#)

Nightly Build

- [Pragmatics Nightly Build Update Site](#)
- [Zipped update site](#)

Semantics Update Site

Install nightly builds of the KIELER features into your own Eclipse 4.3 installation.

Release

- [KIELER Semantics 0.12.2](#)

Nightly Build

- <http://rtsys.informatik.uni-kiel.de/~kieler/updatesite/nightly/semantics/>

OpenKieler Update Site

Install the [OpenKieler](#) features into your own Eclipse 4.3 installation. OpenKieler only has a nightly build that is usually based on the latest Pragmatics release.

Nightly Build

- <http://rtsys.informatik.uni-kiel.de/~kieler/updatesite/nightly-openkieler/>

Libraries

Layout Algorithms

Java class library for automatic graph layout. Contains algorithms from the [KLayout project](#), which use the KGraph data structure as interface. The algorithms can be built into any Java program in order to calculate nice two-dimensional layouts of graph-like structures. [Ptolemy](#) is an example of such a Java program where KLayout has been integrated for automatic layout of actor diagrams.

Release

- [KLayout Layouters v. 2016/02](#)

Nightly Build

- <http://rtsys.informatik.uni-kiel.de/~kieler/files/nightly/klay/>

KLayoutJs

KLayoutJS is a JavaScript port of our [KLayout Layered](#) layout algorithm. See the documentation on the GitHub pages for information how to get and use the library.

OpenKieler on GitHub

- <https://github.com/OpenKieler/klayjs>
- <https://github.com/OpenKieler/klayjs-d3>

Nightly Build

- <http://rtsys.informatik.uni-kiel.de/~kieler/files/nightly/klayjs/>

Source Code

Clone our [Git Repositories on Stash](#) for direct source code access.

Licenses

KIELER software is made available under the [Eclipse Public License](#), except for some integrated third-party components. KIELER can be used independently from OGDF, Libavoid, and Ptolemy, but depends on the Google Guava library.

- The [OGDF](#) library is a collection of powerful layout algorithms.
[GNU General Public License](#)
- The [Adaptagrams](#) project of the Monash University.
[GNU Lesser General Public License](#)
- The [Google Code](#) libraries provide utility classes used throughout KIELER.
[Apache License](#)
- [Ptolemy II](#) is used as a simulation engine and for importing Ptolemy models.
[Berkeley Software Distribution License](#)
- The [FreeHEP](#) library allows us to export vector graphics.
[GNU Lesser General Public License](#)

Requirements

- [Java Runtime Environment](#), version 1.5 or greater.
- For the automatic layout of SyncCharts, we recommend installing [Graphviz \(Eclipse Public License\)](#).