



Release Notes 2.7.1

g9

September 19, 2017

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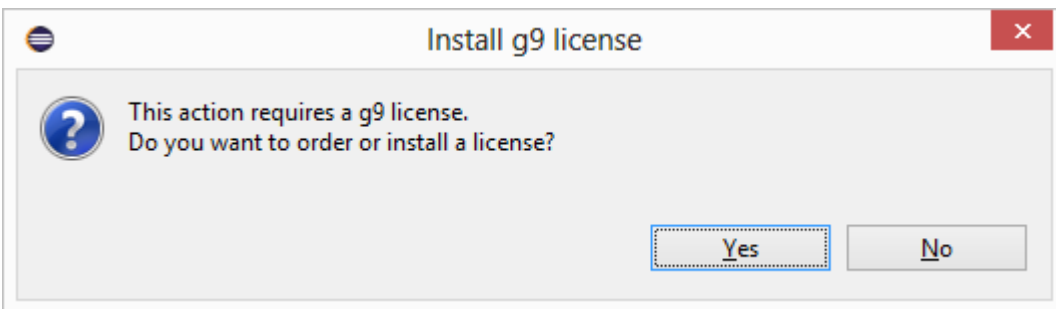
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1 News and Changes

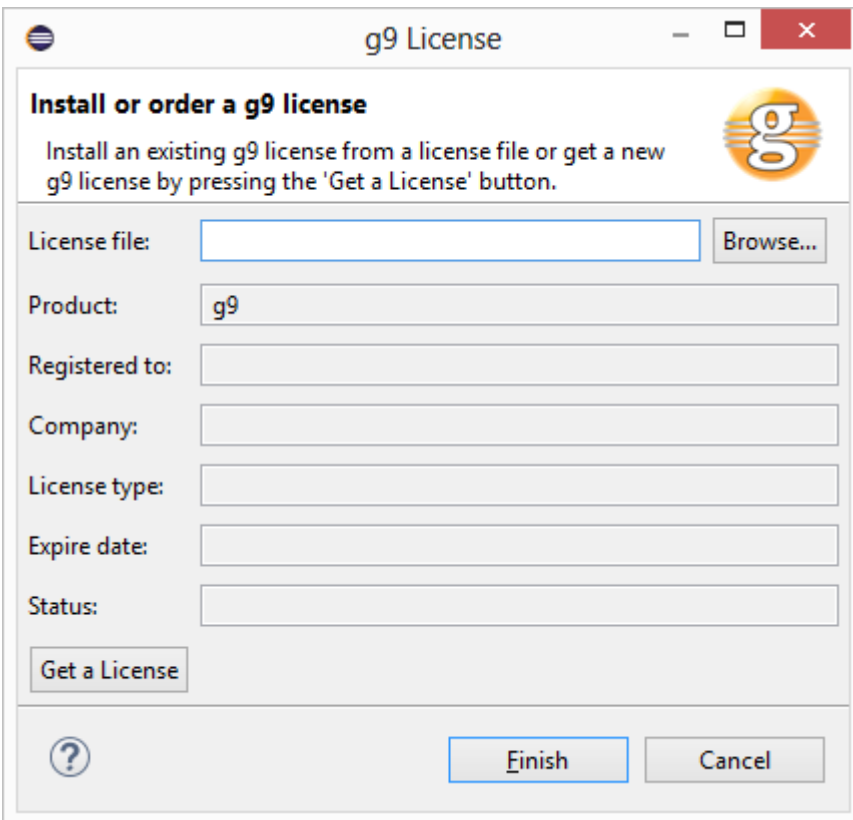
1.1 License requirements

With this g9 version, you may run with a full or trial license. Without a license, most functionality is disabled. You may install a trial license, which gives you full functionality and you may continue to use the tool after the trial expiration date, but with limited functionality.

The "Install g9 license" dialog is shown when running g9 without a license:



Click **Yes** to order either a trial or full license:



If you have received a license file, click **Browse** and install it.

If not, click **Get a License**, fill in the fields and click either **Trial License** or **Copy to Clipboard**:

g9 License

License ordering form

Enter user information for ordering a g9 license.

* Name:

* E-mail:

Telephone:

Company:

Address:

City:

Zip-code:

* Country:

* Node Id:

To order licenses, fill in the necessary data.
All fields marked with * are mandatory.

To get a g9 License, click the 'Copy to Clipboard' button,
paste the text into an e-mail and send it to order@esito.no

To get a trial license, click the 'Trial License' button.
The trial license is automatically installed. If not, send the
license information to support@esito.no and we will send you a license.

?

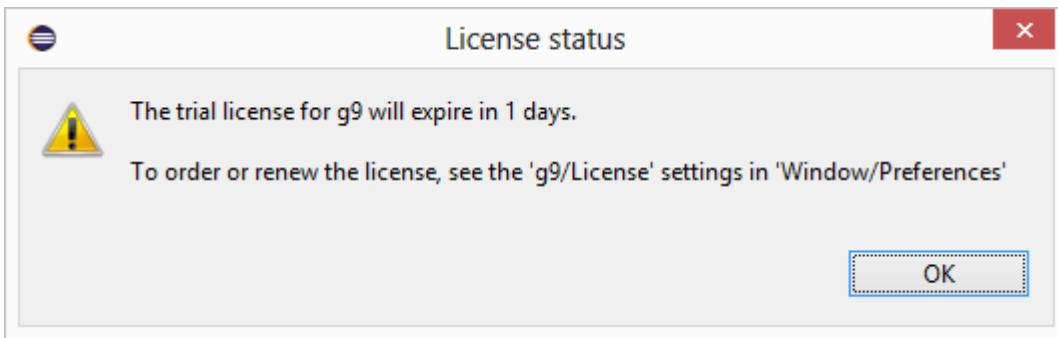
If you clicked **Trial License**, a license is automatically installed and it will work for a number of days (usually 30 days).

To get a trial license, click the 'Trial License' button.
The trial license is automatically installed. If not, send the
license information to support@esito.no and we will send you a license.

The trial license for g9 is installed and gives you full access to all
functionality in g9 for 30 days from today.

?

An expiration message is displayed 7 days before the trial period ends.



After the expiration day, will g9 continue to work, but with functionality limited to at most 12 domain classes.

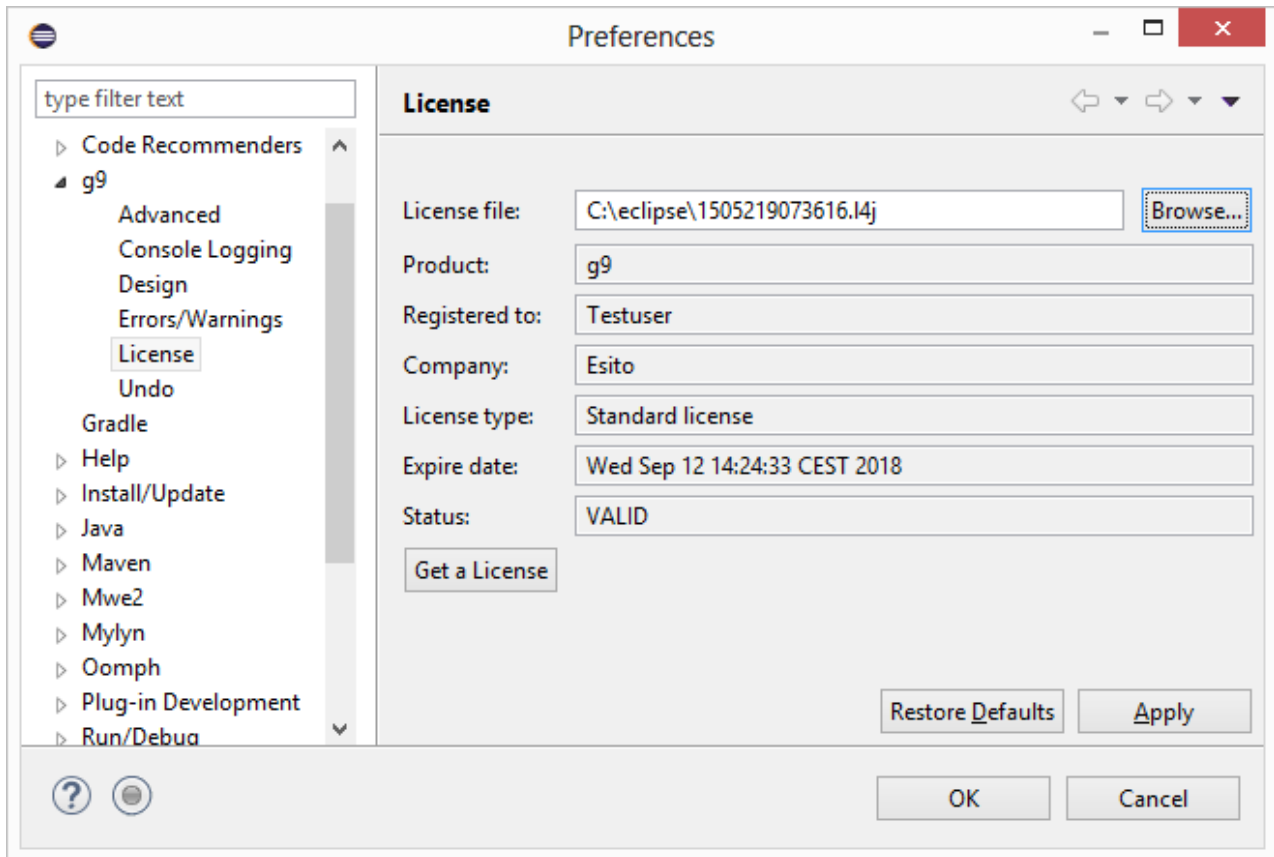
1.2 Order full g9 license

To order a full g9 license: click **Get a License**, fill in the fields in the dialog shown above and click **Copy to Clipboard**.

Paste the clipboard text into an email and send it to order@esito.no:

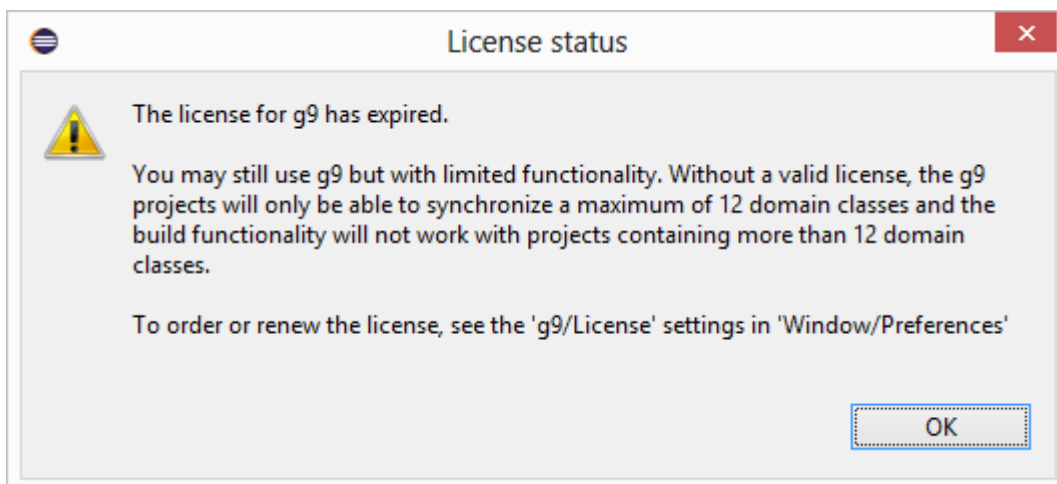
```
##g9 License Start##
LicenseID: null
LicenseType: STANDARD
ProductID: g926022013150
LicenseVersion: 1.5.0
Product: g9
UserName: Testuser
RegisteredName: Testuser
EMail: test@esito.no
Phone: +47 4000 4830
Company: Esito
Address: Sandakerveien 114A
City: Oslo
Zipcode: 0483
Country: Norway
NodeID: 311620e43-481f-33c3-8f9c-c46dfc83e152
Status: INVALID
ExpireDate:
##g9 License End##
```

A license file is returned: click **Browse** and install it. The installed license information is shown as below:



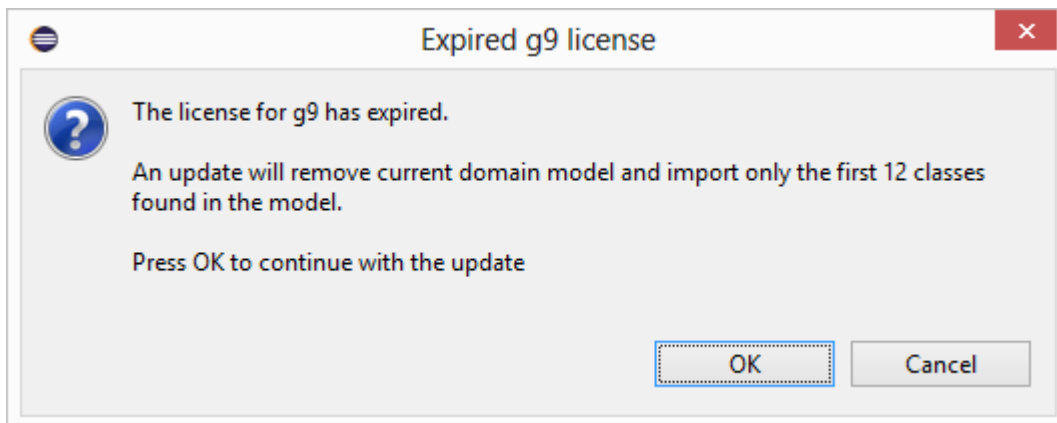
1.3 Expired license

When the license has expired, you will get a message as this:

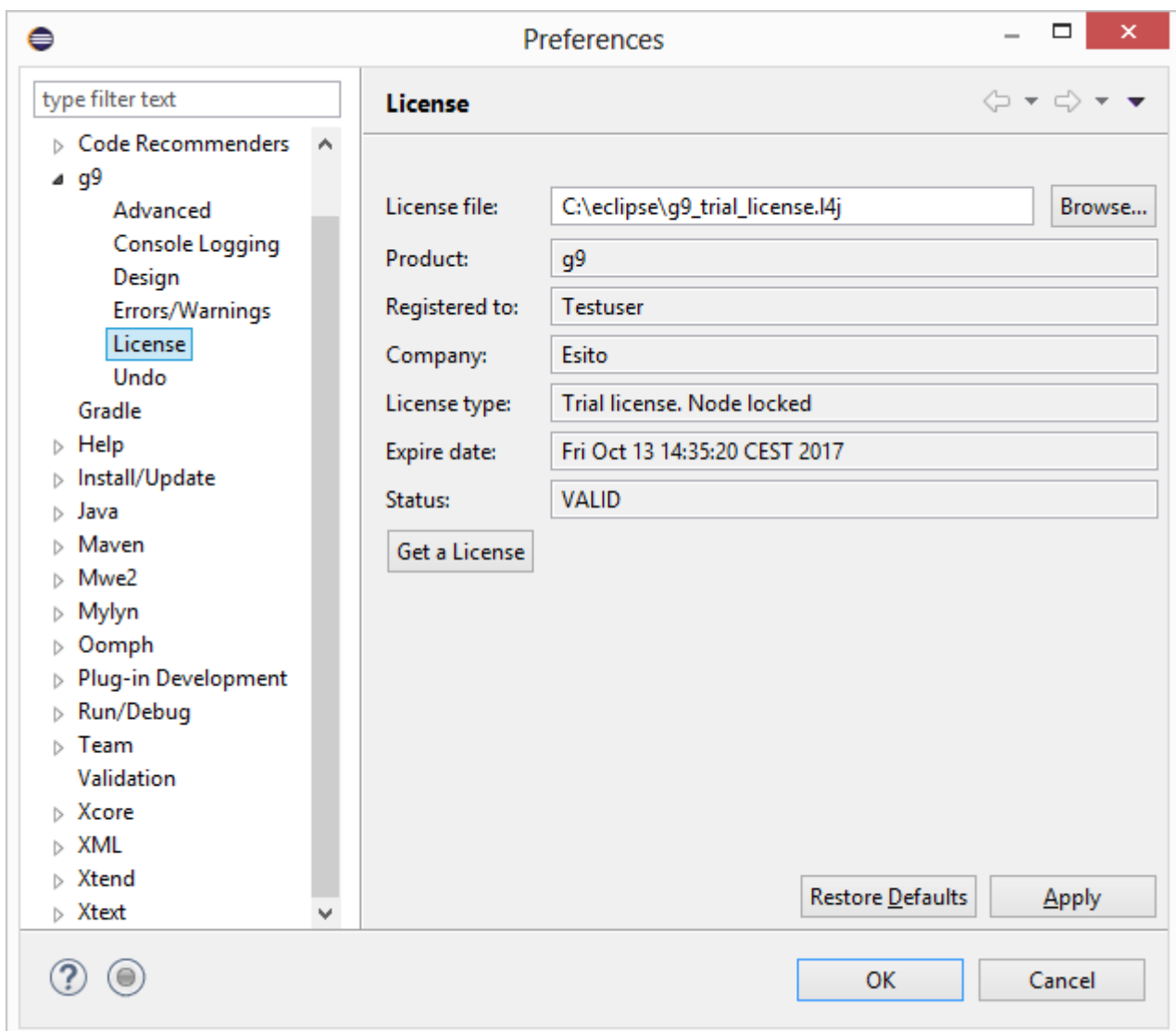


g9 will continue to work, but with functionality limited to at most 12 domain classes as explained in the dialog above.

If you import/synchronizes the domain model into g9, a message is displayed:



You can see the license status: select Window > Preferences > g9 > License:



When your trial license has expired, you can either continue without license and limited functionality or order a full license. If try to get another trial license, the message below is displayed.

To get a trial license, click the 'Trial License' button.
The trial license is automatically installed. If not, send the
license information to support@esito.no and we will send you a license.

Trial License

Copy to Clipboard

Existing trial license for this computer has expired
To purchase a full license, please contact us by e-mail at order@esito.no



Close

2 Generated code and Model Changes

2.1 Changes in model files

There are no changes in the model files.

2.2 Changes in generated code

Swing dialog generator is changed and regeneration is necessary.

3 Dependent versions

g9 runtime libraries uses 3. party open source libraries. Supported versions in this release are:

Library	Version	Library	Version
Spring	4.3.5.RELEASE	Hibernate	5.1.4.Final
ICEfaces	4.1.1 4.1.0-GA	JSF	2.2.10
log4j	2.8	Jetty	9.4.1.v20170120
Jackson	2.8.6	Spring WS	2.4.0.RELEASE
Castor	1.4.1	JasperReports	6.4.0
Joda Time	2.9.7	Apache POI	3.9
EJB	3.2.0	Guava	21.0
node.js	6.11.3		

4 Improvements and corrected Errors

If nothing is written in the *Release Comment* section about an error, the error is corrected and a comment is not necessary.

4.1 g9

SUP-5661 - In result view of Search Artifacts, the expand (+) button doesn't work

SUP-5668 - Automatic build should be dependent of changes in the project setup model

4.2 Swing generator

SUP-5202 - Containers with NoLayout and frame get too little vertical offset in Swing

4.3 ReactJS generator

SUP-5690 - Warning on use of babel-preset-es2016

Release Comment: Updated to use "babel-preset-env". This will automatically adjust the Babel transpiler compatibility to the last two major browser versions.

4.4 Database Import

SUP-5664 - DB import wizard can be started and executes even if the target project is closed

4.5 Known Issues

4.5.1 New example projects can get cyclic dependency errors

This can happen occasionally due to issues with some versions of Xcore/Xtext. New Example projects can get into a cyclic dependency error situation, shown as an exclamation mark on the project node. In this situation "Clean" or reopening the project does not always help, however it is usually resolved by restarting Eclipse.

5 Distribution

The g9 2.7.1 distribution consists of the g9 plugin update site. Information about downloading and installation is available on www.esito.no/download.

The g9 plugins contain all generators and the Java run-time jars. The run-time jars are available on Maven Central.

6 Requirements

The g9 tool-set consists of code that runs on Windows and Linux operating systems. The tool set runs as an Eclipse plug-in and requires Java version 8, and Eclipse Neon or newer.

6.1 Xcore modeling

To use Xcore for creating the domain models for g9, the Xcore and Xtext plugins must be installed. Some Eclipse packages already have Xcore and Xtext installed. If not, the recommended update site for Xtext is "Xtext All In One - Releases" <http://download.eclipse.org/modeling/tmf/xtext/updates/composite/releases/> . The recommended update site for Xcore is <http://download.eclipse.org/modeling/emf/emf/updates/2.10.x/>.

For Xcore modeling, the following plugin versions have been tested:

- EMF Xcore version 1.4.0
- Xtext version 2.11.0

6.2 Writing generators in Xtend

To be able to create your own generators in the Xtend language, the Xtend and Xtext plugins must be installed. Some Eclipse packages already have Xtend and Xtext pre-installed. If not, the recommended update site is "Xtext All In One - Releases"

For Xtend support, the following plugin versions have been tested:

- Xtend and Xtext versions: 2.11.0