



Release Notes 2.5.1

g9 2.5.1

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1 News and Changes

1.1 Database Import

The Import wizards "Database Model Import - Configure JDBC type mapping" page: default mapping for TINYINT has changed from **byte** to **short**.

1.2 Dialog generator

The default **title** for Data Widgets is now based on an un-camelized version of the attribute name, with an upper cased first letter and lower cased rest.

2 Generated code and Model Changes

2.1 Changes in Resources model file

- Added skin *Compact*
- Dialog Template *Compact* references skin *Compact*
- Added style: *WindowApplication*
- Added skin: *Application* with reference to new style *WindowApplication*
- All Dialog Templates except *Web**, references skin *Application* in *ApplicationWindow*

2.2 Changes in generated code

Regeneration of Swing code is necessary.

2.3 Dependent versions

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

Spring	4.2.7.RELEASE	Hibernate	5.0.7.Final
ICEfaces	4.1.1 4.0.0-GA	JSF	2.2.10
log4j	2.4.1	Jetty	9.2.6.v20141205
Jackson	2.6.3	Spring WS	2.4.0.RELEASE
Castor	1.4.1	JasperReports	6.2.0
Joda Time	2.4	Apache POI	3.9
EJB	3.2.0	Guava	18.0

3 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.

3.1 g9

SUP-5235 - Domain model update from java does not store Column Name and Table Name if g9 annotations only

SUP-5240 - .gproject does not get ModelVersion after save

Release Comment: Missing ModelVersion attribute could lead to ".gproject" missing upgrades in later versions.

SUP-5241 - Accidental Eclipse JDT version dependency

Release Comment: A hardcoded JDT plugin dependency can create compatibility issues with Eclipse versions. It has been removed.

SUP-5244 - Use the "un-camelized" attribute name as the default Data Widget title

Release Comment: The default title for Data Widgets is now based on an un-camelized version of the attribute name, with an upper cased first letter and lower cased rest.

SUP-5256 - Java Domain Model Config label should read Exclude Resource...

Release Comment: Used to read "Add Resource.."

SUP-5264 - Constant attributes in value objects get a problem marking when they do not have an initial value

SUP-5266 - Make template Compact more compact

Release Comment: Changes to the Resources

- Added skin *Compact*
- Dialog Template *Compact* references skin *Compact*

SUP-5267 - Wrong warning: Method is unused in dialog

Release Comment: Save of model did not trigger refresh and validations could get wrong. The effect was that validations and references would not always accurately reflect the model being edited.

SUP-5271 - Add skin for Application dialogs

Release Comment: Changes to the Resources:

- Added style: *WindowApplication*
- Added skin: *Application* with reference to new style *WindowApplication*
- All Dialog Templates except *Web**, references skin *Application* in *ApplicationWindow*

SUP-5272 - The default title for roles in dialog models should be based on an un-camelized version of the role name

3.2 g9 Database Import

SUP-5228 - MySQL TEXT type gives 64K length, should be 0

Release Comment: All data types where length is set to either max integer (signed 32 bit) or max long (signed 64 bit) will automatically get length unset and this will be interpreted as unlimited for the data type. In addition will MySQL types TEXT and BLOB get this behavior if the length is max short (unsigned 16 bits). If the type is TINYTEXT or TINYBLOB, the length will be unset if it's value is max byte (signed 8 bits).

SUP-5243 - Cannot complete the install

Release Comment: Have reduced dependencies to other Eclipse plugins to a minimum.

SUP-5247 - Remove unnecessary com.google.guava dependencies

Release Comment: Have reduced dependencies to other Eclipse plugins to a minimum

SUP-5273 - DB import Type Mapping: change default mapping for TINYINT to short

3.3 Swing

SUP-5234 - NPE when generating Swing without an Application Window

Release Comment: A generator problem is now reported for Applications without an Application Window.

SUP-5236 - Compilation errors for Dialog Models with a lower case first letter in the name

Release Comment: The name of the DefaultController is now generated with the correct case.

SUP-5268 - Application dialogs must have Object Selection

Release Comment: Method stubs are now generated to the DefaultController class for dialog models without an Object Selection.

SUP-5269 - Application Window default w&h is not used

Release Comment: The default width and height for the Application Window is now generated to the start method in *<app>Default* class.

SUP-5275 - Change of properties on Application Window is not automatically built

Release Comment: The Swing generator now generates the initial size and position of dialogs to the *DefaultView* class, and the application uses these values at startup.

3.4 Java runtime

SUP-5224 - Upgrade Spring WS to 2.4.0.RELEASE

Release Comment: The Spring core version is also changed, to 4.2.7.RELEASE.

SUP-5261 - Upgrade ICEfaces to version 4.1.1

SUP-5262 - Upgrade Castor to version 1.4.1

3.5 Hibernate

SUP-5237 - Support for the MySQL year type

Release Comment: Columns with DB-type year are now supported in the Hibernate generator and the g9 runtime.

4 Distribution

The g9-2.5.1.zip distribution consists of the g9 plugin update site and can be downloaded from <http://download.esito.no/downloads/tools/g9-2.5.1.zip>.

The g9 plugins contain all generators and the Java run-time jars. A list of g9 plugins is displayed using *Help > About Eclipse*, press the g9 icon and the *Plug-in Details* button.

5 Installation

5.1 g9 requirements

The g9 toolset consists of code that runs on Windows and Linux operating systems. The tool set runs as an Eclipse plug-in and requires Mars or newer versions of Eclipse.

5.2 Esito updatesite

The g9 Modeling Tools is available from updatesite: <http://updatesite.esito.no/g9>.

1. Start Eclipse, go to *Help > Install New Software...*
2. In the *Install dialog*, click the *Add...* button located at the top right of the dialog to add an install site. This brings up the *Add Repository* dialog
3. You can install the most recent version from the remote update site.
 - a. In the *Name* field, type **g9 update site**
 - b. In the *Location* field, type **http://updatesite.esito.no/g9**
 - c. Click OK to return to the Install dialog.
4. Select **g9 update site** in the *Work with* field and select the *Esito Modeling Tools*. Then select the *Next* button.
5. Click *Next* to confirm installation
6. Read and accept the license agreement. To continue installing, select “*I accept the terms of the license agreement*” and click *Finish*.
7. When prompted to restart Eclipse, click *Restart Now* to restart.

5.3 Local updatesite

1. Unpack the g9-2.5.1.zip file to a directory of your choice, here called C:\g9
2. Start Eclipse, go to *Help > Install New Software...*
3. In the *Install dialog*, click the *Add...* button located at the top right of the dialog to add an install site. This brings up the *Add Repository* dialog
4. You can install the 2.4.1 version from C:\g9
 - a. In the *Name* field, type **g9 local**
 - b. Press the “*Local...*” button and browse to the unpack directory, giving file name C:\g9 in the *Location* attribute.
 - c. Click OK to return to the Install dialog.
5. Select **g9 local** in the *Work with* field and select the *Esito Modeling Tools*. Then select the *Next* button.
6. Click *Next* to confirm installation
7. Read and accept the license agreement. To continue installing, select “*I accept the terms of the license agreement*” and click *Finish*.
8. When prompted to restart Eclipse, click *Restart Now* to restart.

