

## Impart OJB Generator Description

### OJB DB Tree

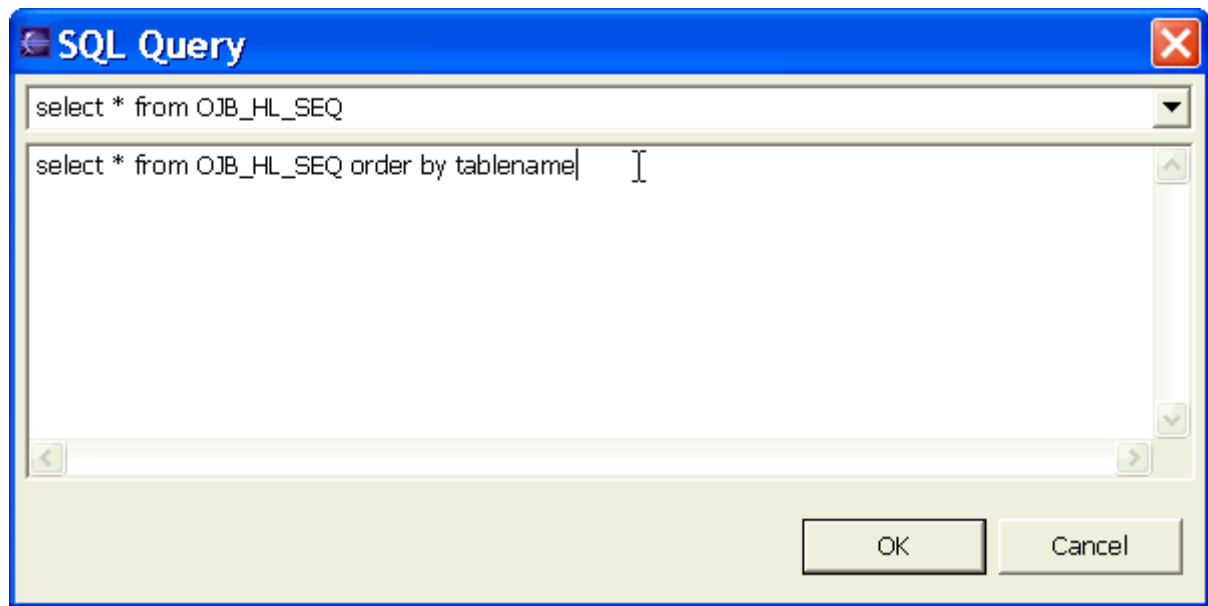


Open the OJB DB Tree View in Eclipse by selecting:  
Windows->Show View->Other...->OJB Plugin->OJB DB Tree

### OJB Data View








TABLENAME	FIELDNAME	MAX_KEY	GRAB_SIZE
SEQ_FW_PARTITION	ID	24	20
SEQ_FAROLLE	ID	366	1
ARBEITER	id	1374	1
SEQ_FW_FUNCTION	ID	7	1
Arbeiter	id	220	10
FAROLLE	id	240	1
SEQ_OJB_DLIST_EN...	ID	2198	1
SEQ_FIRMA	ID	1880	1
SEQ_ARBEITER	ID	2005	1
SEQ_FW_USER	ID	10	1





Open the OJB Data View by double click on an table in the OJB DB Tree.





By click on the SQL icon the upper dialog is shown where you can modify the select statement. The changes are stored in the list box for future use during the eclipse session.

## Functions on DB Tree view

Button	Name	Description
	Reload Tree from DB	Connect to database as set in the ImpartOJBGenerator.properties file, and reloads the metadata from database.
	Generate Java Files	<p>Generate the Java Files for the selected tables. If the root node  or no table is selected then a dialog is show to ask if all tables should be generated.</p> <p>The files are generated in the directory as set in the ImpartOJBGenerator.properties under userRepositoryPath. The default is C:\\temp\\</p>
	Generate XML Files	<p>Generates the repository.xml und repository_user.xml files for the selected tables. If the root node  or no table is selected then a dialog is show to ask if all tables should be generated.</p> <p>The files are generated in the directory as set in the ImpartOJBGenerator.properties under userRepositoryPath. The default is C:\\temp\\</p>
	Edit Property File	<p>Open the Property editor in Eclipse. With the editor the settings of the ImpartOJBGenerator.properties can be changed.</p> <p>The file ImpartOJBGenerator.properties is in the user home directory. For example under windows in the folder C:\\Documents and Settings\\impart</p> <p>Look in this document at Property Editor.</p>
	Test DB Connection	<p>This function tries to open a database connection and get some meta data. It is a 5 step test:</p> <ol style="list-style-type: none"> <li>1. Try to find the ImpartOJBGenerator.properties. If fails then look at your user root directory. It seems that the property file is not there or empty.</li> <li>2. Try to load jdbc-driver as set in the ImpartOJBGenerator.properties file. If fails ensure that the driver library is in the lib directory of the OJB Plugin. And an entry for the library is in the plugin.xml file:</li> </ol> <pre>&lt;runtime&gt;   &lt;library name="OJBPlugin2.jar"/&gt;   &lt;library name="lib/db2java.zip"/&gt;   &lt;library name="lib/mssqlserver.jar"/&gt;   &lt;library name="lib/msbase.jar"/&gt;   &lt;library name="lib/msutil.jar"/&gt;   &lt;library name="lib/hsqldb.jar"/&gt;   &lt;library name="lib/OJBPlugin.jar"/&gt;</pre>

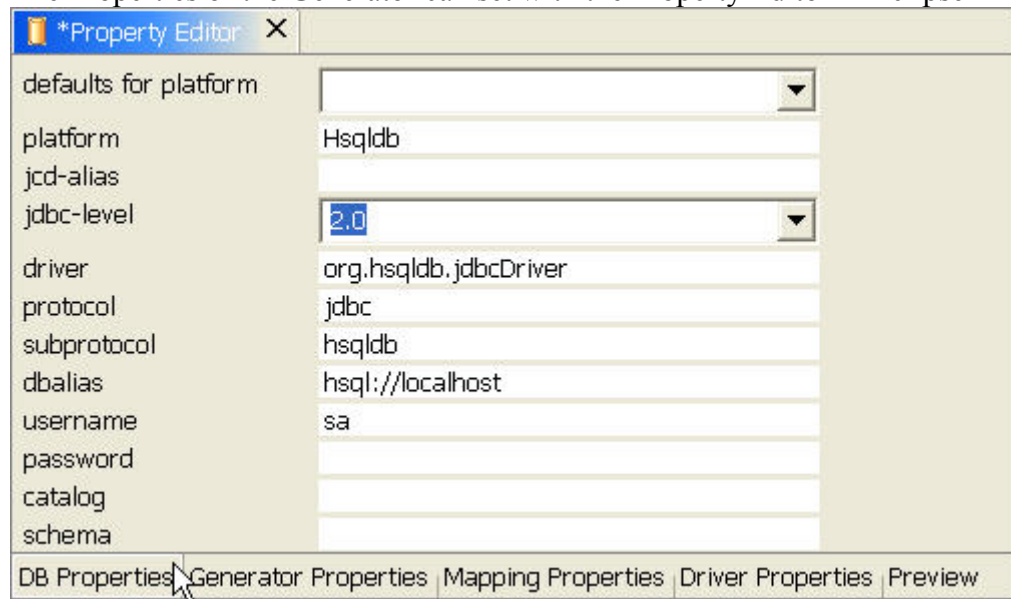
		<pre>&lt;library name="lib/[YOUR DB DRIVER JAR]"/&gt; &lt;/runtime&gt;</pre> <p>3. Try to connect to database. If fails then look in the ImpartOJBGenerator.properties the section (some thing in your settings are wrong):  driver=org.hsqldb.jdbcDriver  protocol=jdbc  subprotocol=hsqldb  dbalias=hsql://localhost  username=sa  password=</p> <p>4. Try to get meta data from DB. If fails then look in the section:  catalog=  schema=  Play around with these two parameters.  The program try to call:  <pre>java.sql.ResultSet rs = dbMeta.getTables(catalog, schema, "%", null);</pre></p> <p>5. Try to get a Table from the meta data. If fails send to me an email ☺</p>
	Get Data from DB	Shows data of the selected table in the OJB Data View. The function calls 'select * from [selected table]'
	Database Table	
	Table Attribute	
	Primary Key Attribute	

#### Functions on OJB Data view

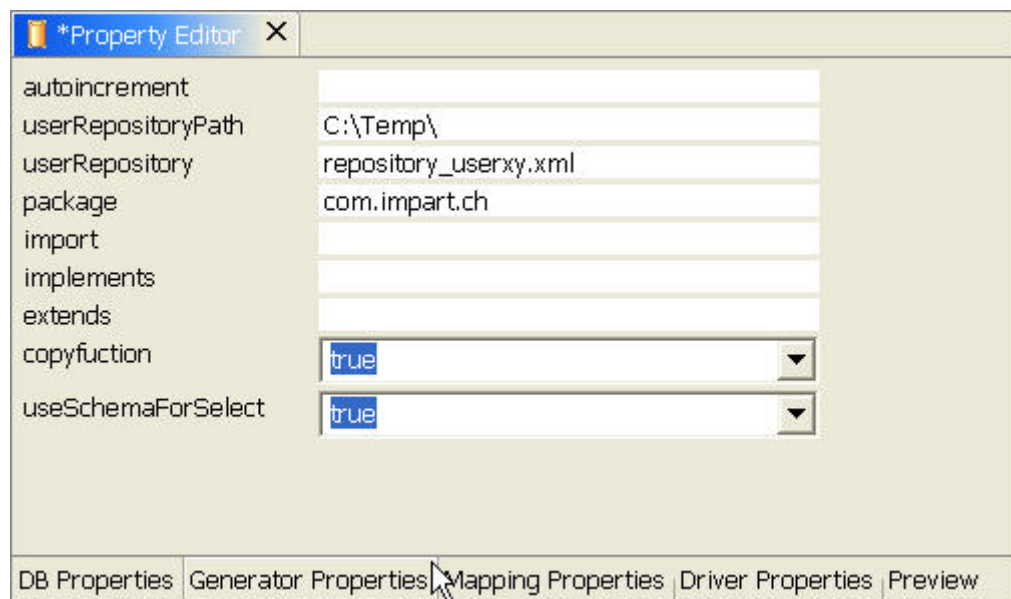
Button	Name	Description
	Reload data from DB	Reload the data from the database with the last executed query
	Set the SQL query	Opens the SQL Query dialog. With the dialog it is possible to manipulate the sql select statement.

## Property Editor

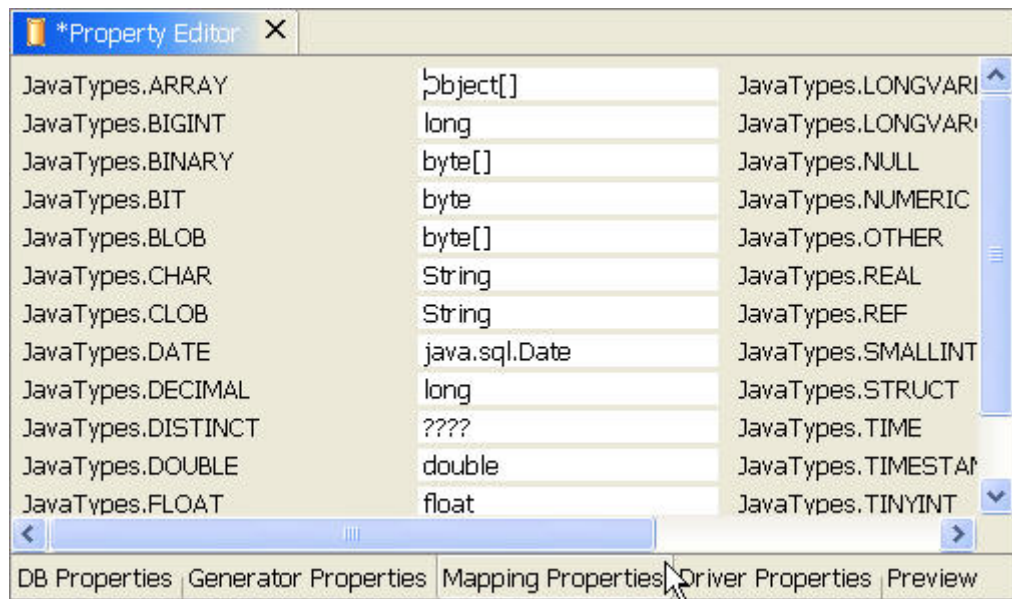
The Properties of the Generator can set with the Property Editor in Eclipse



In the DB Properties part it is possible to set the database connection settings. In the listbox 'defaults for platform' are some default settings for different databases. This settings should help to find out the proper settings for your database.



In the Generator Properties you can configure your desired settings for your value object, generated file location and so on. The useSchemaForSelect is used if you like the schema name a head of your table name.



In the Mapping Properties you can set the java types for an jdbc data type.



In this view you have an preview of the ImpartOJBGenerator.properties file that would be generated if you save your settings.