Mongo JDBC and UnityJDBC Driver Setup for SQL Explorer in Eclipse

1. Download and install UnityJDBC at http://www.unityjdbc.com/download.php.

2. After installation, there is a mongodb_unityjdbc_full.jar file in the installation directory. On Windows, the default install path is: C:\Program Files (x86)\UnityJDBC (32-bit Java) or C:\Program Files\UnityJDBC (64-bit Java). We will use this jar in later steps.

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3. Note that the Mongo Java is included in the **mongodb_unityjdbc_full.jar**.

If you have SQL Explorer installed already, skip to step 6.

- 4. Download the SQL Explorer plugin for Eclipse at http://eclipsesql.sourceforge.net/.
- 5. After downloading is complete, extract the contents into your Eclipse directory.

6. Start Eclipse. First, to tell if SQL Explorer was added successfully, check the **Help** menu. You should see **About SQL Explorer** listed. You may click this to check the current version of the plugin as well as other information.

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7. Now open SQL Explorer's perspective by selecting the menu item Window > Open Perspective > Other. Select SQL Explorer in the menu that pops up and hit OK.



8. Now that we are in the correct perspective, click the button to create a new connection profile. We first need to add the correct driver. Click **Add/Edit Drivers**.

9. Under **SQL Explorer**, click **JDBC Drivers** and then click **Add**. Fill in the appropriate information. To add the mongodb_unityjdbc_full.jar, go under **Extra Class Path** and add the jars from **step 2** and **step 3**. Press **OK**. Here is sample MongoDB driver information:

Name	MongoDB
Example URL	jdbc:mongo:// <servername>/<databasename></databasename></servername>
Driver Class Name	mongodb.jdbc.MongoDriver

10. You should now see the MongoDB driver listed and checked under **JDBC Drivers**. Click **OK**.

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11. Now we can fill in the connection profile with the needed information. Remember to select the driver you just added. Here is a sample connection profile:

Name	mongo_demo
User Name	dbuser
Password	dbuser
JDBC URL	jdbc:mongo://ds029847.mongolab.com:29847/tpch

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Name	mongo_demo					
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12. You can now right click your new connection profile and click the button to connect. After connection, you can browse the schema by clicking the **MongoDB** tab on the right.

13. Right click on the **dbuser** tab and select **New SQL Editor** to enter SQL queries. Click it to run the query. Here are two example queries. The first query queries a single table and runs completely on MongoDB. The second query uses a join that requires UnityJDBC. The 30-day trial version will return an unlimited number of rows (then only 100 rows after the trial is over). Upgrade to the full version at https://www.unityjdbc.com/purchase.php. More details on querying is at https://www.unityjdbc.com/mongojdbc/mongosqltranslate.php.

Query	SELECT *
#1	FROM customer
Query	SELECT *
#2	FROM customer INNER JOIN orders
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