Installing and Configuring MySQL for Use with U2 DataVu

This document describes how to configure MySQL as the shared repository storage for U2 DataVu shared repositories. The scope of this document is restricted to using MySQL for use as the repository storage only, not as a database. For more information about MySQL, refer to MySQL.com.

Install MySQL

You will need to download MySQL, the MySQL JDBC driver, and the MySQL Workbench from the MySQL web site. These are free downloads.

- MySQL Download and install MySQL. MySQL Essential is adequate. The latest version at the time of this document is MySQL Community Server 5.1.50 but 5.1.49 also should work. The standard installation defaults are sufficient for our purposes. The latest version is available from <u>http://www.mysql.com/downloads/mysql/</u>
- MySQL Connector/J JDBC driver Download and extract the MySQL Connector/J JDBC driver. This document uses 5.0.8. The latest is available from http://www.mysql.com/downloads/connector/j/5.0.html#downloads
- 3. After downloading the zip file, mysql-connector-java-5.1.08.zip, extract it using WinZip or similar. The files will be extracted to the mysql-connector-java-5.1.8 folder. The JDBC driver is named mysql-connector-java-5.1.8-bin.jar.
- MySQL Workbench Download and install the MySQL Workbench from <u>http://www.mysql.com/downloads/workbench</u>. This document uses version 5.2.27 CE.

Add the MySQL JDBC driver to U2 DataVu

Once you have installed and configured MySQL, you need to add the MySQL Connector/J JDBC driver to U2 DataVu.

1. Select the Administrator Perspective and then select View > Preferences.



2. Choose JDBC Libraries, and then click Add Driver.

🐼 Preferences		
type filter text	JDBC Libraries	$\Leftrightarrow \bullet \Rightarrow \bullet \bullet \bullet$
General	JDBC driver libraries and JARs:	
Appendice Deshboard Runtime Global Variables Help Install/Update JDBC Libraries Log Single sign-on Third-Party Libraries Torder Designer	B → DB2 DB2 Derby B → IMS B → Informix B → MS SQL B → Oracle B → SUN ODBC B → U2	Add Driver
	Restore Def	aults <u>Apply</u>
	OK	Cancel

3. Enter a name of your choice for the **Edit library name**, the **Driver class name**, org.gjt.mm.mysql.Driver, and the **Template**, jdbc:mysql://<host>:3306/rsbi. For this document we are using localhost as the <host> as MySQL and U2 DataVu are on the same server.

🔊 Edit Driver Library	×
Edit library name:	
MySQL	
<u>D</u> river class name:	
org.gjt.mm.mysql.Driver	
URL templates:	<u> </u>
Template	Description
jdbc:mysql://localhost:3306/rsbi	
•	
Validate	JDBC driver properties
	OK Cancel

Note: Validate will not work until the Add Jar wizard is completed. Click **OK**.

Preferences		
type filter text General	JDBC Libraries G	• • • •
 Appearaince Dashboard Runtime Global Variables Help Install/Update JDBC Libraries LOBs Log Single sign-on Third-Party Libraries Isual Designer 	Image: Second system Image: Second system	Add Driver Add JARs Edit Remove
	Restore <u>D</u> efaults	Apply
	ОК	Cancel

4. In the JDBC Libraries dialog click the Add Jars button

5. Navigate to the JDBC driver, select it and click **Open**.

Add JARs to MySQL					×
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🔄 Organize 👻 🔠 Views	▼ 📑 New Folder				0
Favorite Links Desktop Computer Documents Pictures Music Recently Changed Searches Public	Name A docs src mysql-connector-java-5.0.8-bin.jar]	Type File Folder File Folder Executable Jar Fil	 Date modil 9/9/2010 1 9/9/2010 1 9/9/2010 1 	ied 1:12 AM 1:12 AM 1:12 AM
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File <u>p</u> ame		2	Driver Library <u>O</u> pen	("jar, ".zip)	



Create the MySQL repository schema

U2 DataVu stores its objects in a database schema called RSBI. This schema is created in MySQL using the MySQL Workbench.

1. Start the MySQL Workbench and then select **New Connection**.

MySQL Workbench						_ 🗗 ×
Eile Edit View Database Plugins Scripting Commu	nity <u>H</u> elp					
Workhench Central						
Welcome to MySQL W • What's New in This Release? Read about all changes in this MySQL	Orkbench	MySQL Doc M	AySQL Bug Reporter Tea	rkbench am Blog	QL Workbench Forums	
Workspace						
SQL Development Connect to existing databases and run SQL Queries, SQL scripts, edit data and manage database objects.	Data Moo Create and mana reverse engineer synchronize scho	deling age models, forward & , compare and emas, report.	0	Server Adm Configure your datal user accounts, brows and server logs.	inistration base server, setup se status variables	_
Open Connection to Start Querying Or click a DB connection to open the SQL Editor	Open Existing EER Moo or select a model to open on	del click here to browse.	Serv Or of	rer Administration ck to manage a databas	e server instance.	
New Connection Add a new diselesse connection for querying. Edit Table Data Selecia connection and achema table to edit. Edit SQL Script Open en easting SQL Script file for easting. Manage Connections	Create New EER Model	n scratch. n Existing Database verse engineering. n SQL Script	Regis Regis Man Mana	Server Instance ter a new server instar age Import / Expo e a dump file or restore age Security ge user accounts and a age Server Instance	ice to manage. rt data from a file. issign privileges. ies	
Modify connection settings or add connections.	Import an existing SQL file.		Add,	delete and update serve	er instance settings.	181

2. Enter the name of this connection and then click **OK**. We are using 127.0.0.1 as MySQL is local to this server. Accept the **Port**, 3306, and root as the **Username**.

Setup New Connection	on	×
Connection Name:	MySQL	Type a name for the connection
Connection Method:	Standard (TCP/IP)	Method to use to connect to the RDBMS
Parameters Advan	nced	
Hostname:	127.0.0.1 Port: 3306	Name or IP address of the server host - TCP/IP port
Username:	root	Name of the user to connect with.
Password:	Store in Vault Clear	The user's password.
Default Schema:		The schema that will be used as default schema
		Test Connection Cancel OK

The connection is now shown on the Workbench home page.

MySQL Workbench			_ 8 ×
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Home ×			
Workbench Central			
Welcome to MySQL W • What's New in This Release? Read about all changes in this MySQL N	orkbench Workbench release.	cc MySQL Bug NySQL Bug Reporter Workberch Team Blog	
Workspace			
SQL Development Connect to existing databases and run SQL Queries, SQL scripts, edit data and manage database objects.	Create and manage models, forwareverse engineer, compare and synchronize schemas, report.	ard & Server Administration Configure your database server, sen user accounts, browse status variable and server logs.	ר אף ies
Open Connection to Start Querying Or click is CB connection to open the SOL Estor MySQL User root Host: 127 0.0.1:3306	Open Existing EER Model Or select a model to open or click here to brows	e. Server Administration Or click to manage a distablese server instance	
New Connection Add a new database connection for querying.		New Server Instance Register a new server instance to manage.	
Edit Table Data Select a connection and schema table to edit.	Create New EER Model Create a new EER Model from scratch.	Manage Import / Export Create a dump file or restore data from a file.	
Edit SQL Script Open an existing SQL Script file for editing.	Create EER Model From Existing Datab Create by connecting and reverse engineering.	Dase Manage Security Manage user accounts and assign privileges.	
Manage Connections Modify connection settings or add connections.	Create EER Model From SQL Script Import an existing SQL file.	Add, delete and update server instance setting	
Ready			8

3. Click the connection to open it.



4. Right-click in the white area in the left column and then select **Create Schema**.

MySQL Workbench	X
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whiject Browser SQL Query ×	
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Add Table	
Views (0 items)	
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5. Enter the schema name, RSBI and then click Apply.



6. The SQL statement used to create the schema is shown. Click **Apply SQL** to accept the SQL statement.

Apply SQL Script to Database	×
Review SQL Script	Review the SQL Script to be Applied on the Database
Apply SQL Script	
	Please review the following SQL script that will be applied to the database. Note that once applied, these statements may not be revertible without losing some of the data. You can also manually change the SQL statements before execution.
	SQL Statement(s):
	CREATE SCHEMA `RSBI` ;
	-
	·
	Back Apply SQL Cancel

7. Click **Finish** to create the RSBI schema.

