



User Reference

Installing Database Connections for MySQL

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Overview

TAZ can communicate with databases within a *TestCase* or update test results to a Test Management solution. In either case, TAZ needs to know how to connect to one or more databases. The connection information for connecting to a MySQL database is contained in a UDL file.

See the video <http://www.aztazsoftware.com/help/database/database.html> for more on updating a Test Management solution in TAZ from **SETUP RUNS>>DATABASE**.

TAZ database commands, **DB{...}**, may be used within *TestCases* to:

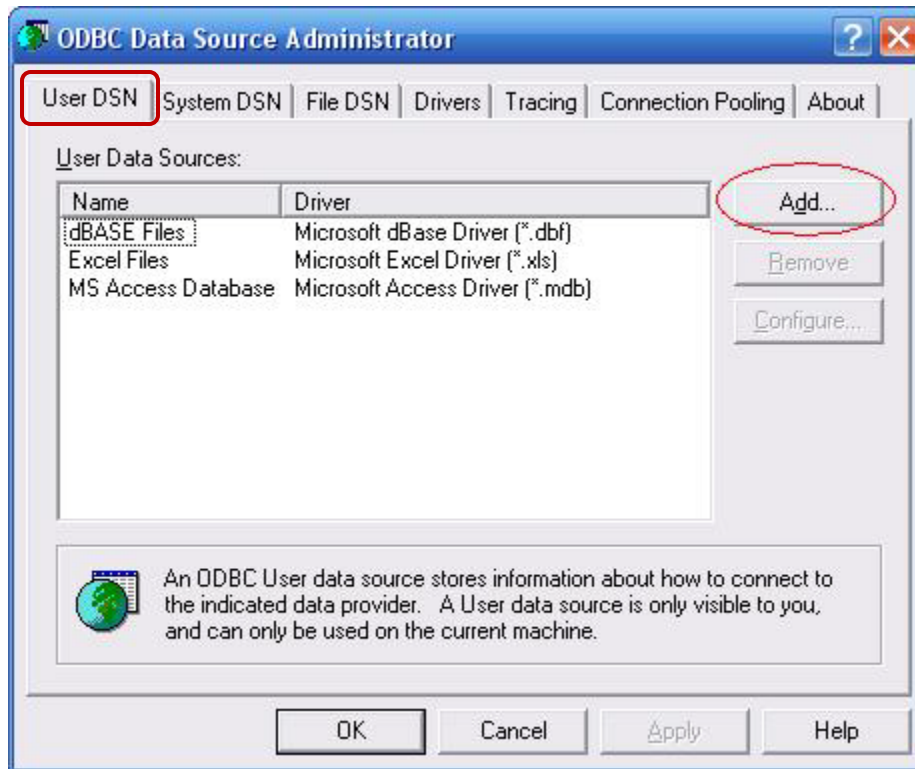
- Test a database itself when the DUT is the database
- Create custom reports
- Retrieve data to use within a *TestCase*
- Test the database functionality of DUTs

A TAZ database command can communicate with databases once the database is entered in the *Equipment Table*. The *Misc1* entry is the path to the UDL file that contains the connection information.

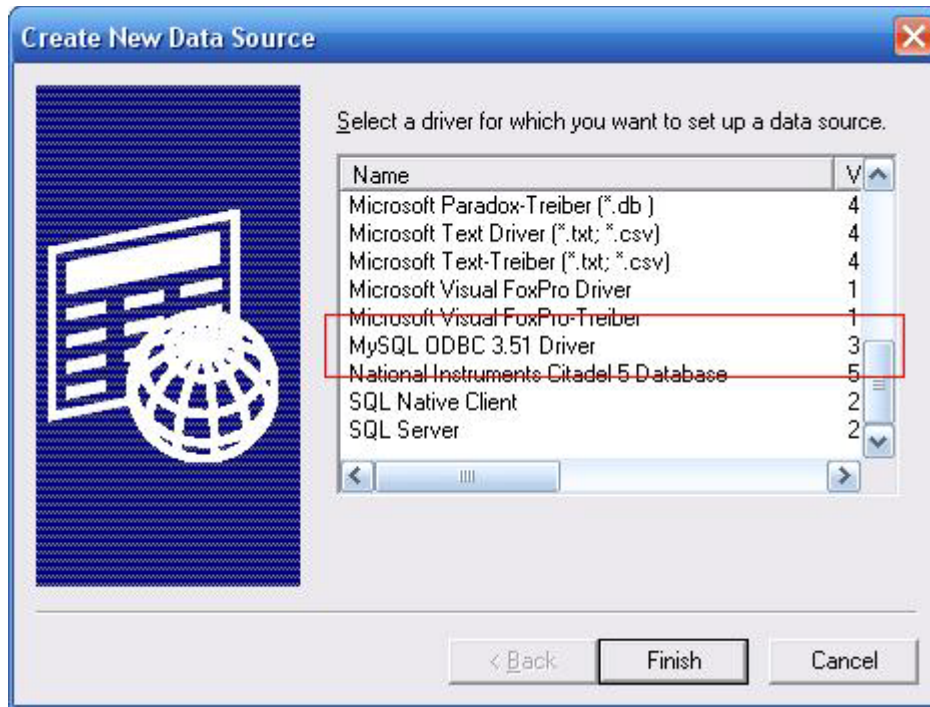
Let's see how to create the UDL file for a MySQL database.

Install Drivers and Configure ODBC

1. Check if MySQL drivers are loaded from **Control Panel>>Administrative Tools>>Data Sources (ODBC)>drivers**. If not download MySQL drivers from: <http://dev.mysql.com/downloads/connector/odbc/3.51.html>
An Oracle account (free) is necessary.
2. Download the 64 bit MSI for a Windows 7 64 bit machine. Download the 32 bit MSI for a Windows XP, 32 bit machine.
3. Open ODBC Data Source Administrator from **Control Panel>>Administrative Tools>>Data Sources (ODBC)**. See following screenshot.
4. Create a Data Source name (DSN). In the **User DSN** tab, click **Add** and a new window will open.

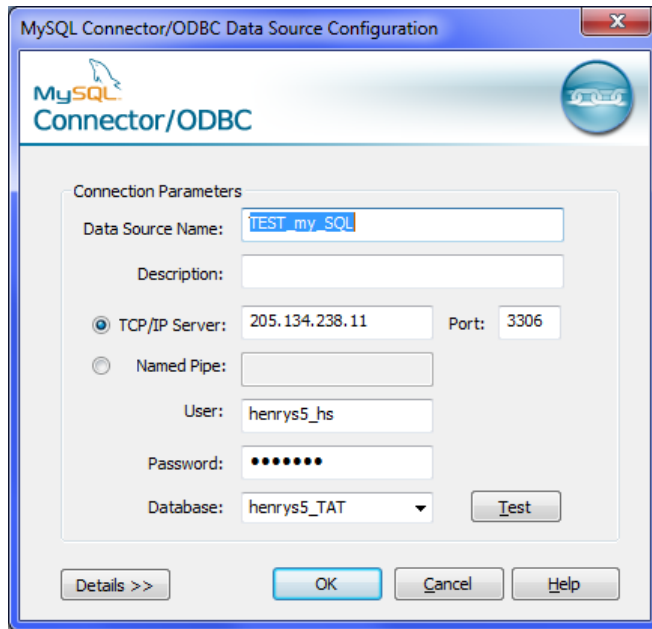


5. Select the MySQL driver.



Another new window will open.

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6. Give your Data Source a name. You will use this name below.
7. TCP/IP server – if the database is on the web, give the IP address or domain name (if DNS is working). If the database is local, use **localhost**.
8. Enter User and Password
9. Enter the name of the database you are accessing
10. Click **Test** to check your settings

UDL File Creation

The way a UDL file is initially created depends on your Windows installation. This can be checked from the Folder shortcut menu.

1. Right-click in the folder where you want to create the file. You will use this path in the TAZ Equipment Table.
2. Select **New** from the shortcut menu.
3. Select **Microsoft Data Link** if it is listed.
4. If not listed, please refer to the next section.

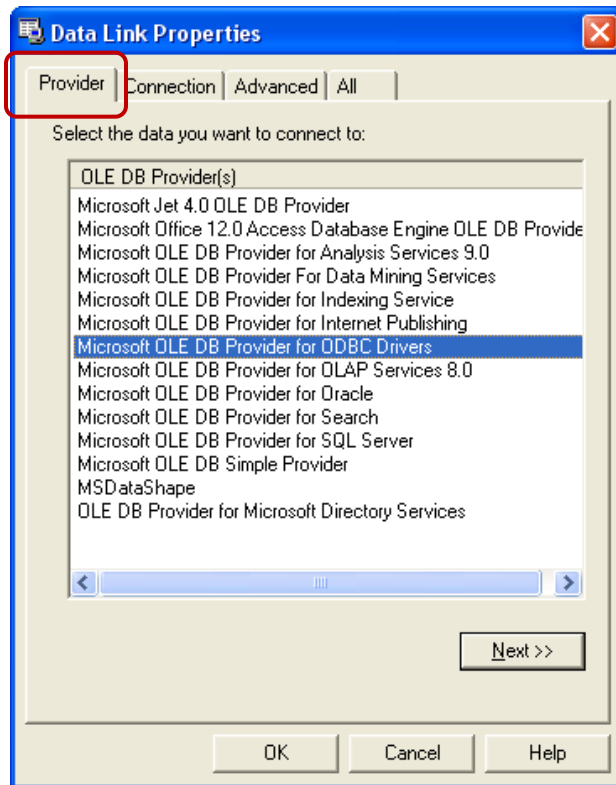
UDL File Creation (If Microsoft Data Link not listed)

If no Microsoft Data Link is listed, the following steps should fix this.

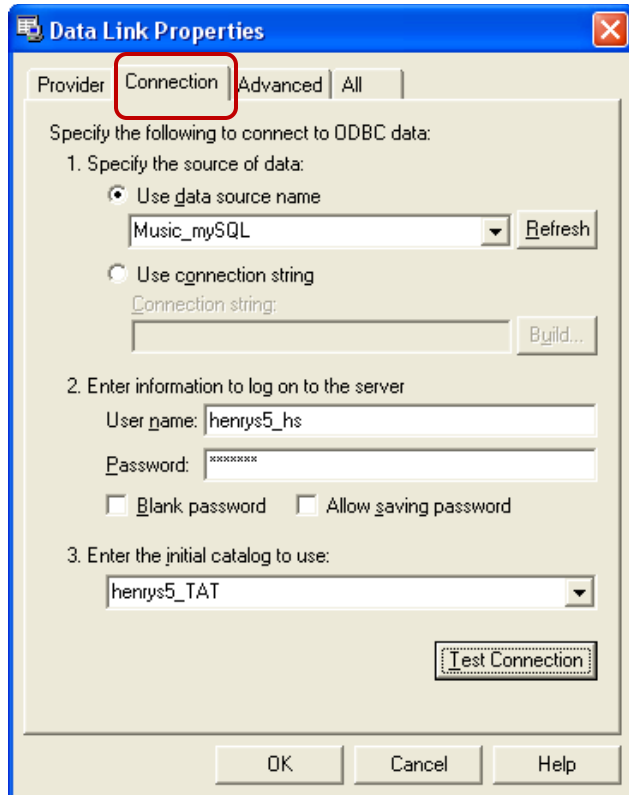
1. Right-click in the folder where you want to create the file. You will use this path in the TAZ Equipment Table.
2. Select **New**, then **Text Document**.
3. Give the Text Document any name with a .udl extension ("Show file extensions" must be enabled in folder options).
4. A window will pop up warning that "If you change a filename extension, the file may become unusable. Are you sure you want to change it?" Select **Yes**.
5. You have now successfully created a UDL file.

Configure UDL

1. Double-click your new UDL document and a new window will open.
2. Click the **Provider** tab
3. Select **Microsoft OLE DB Provider for ODBC Drivers**



4. Click the **Connection** tab



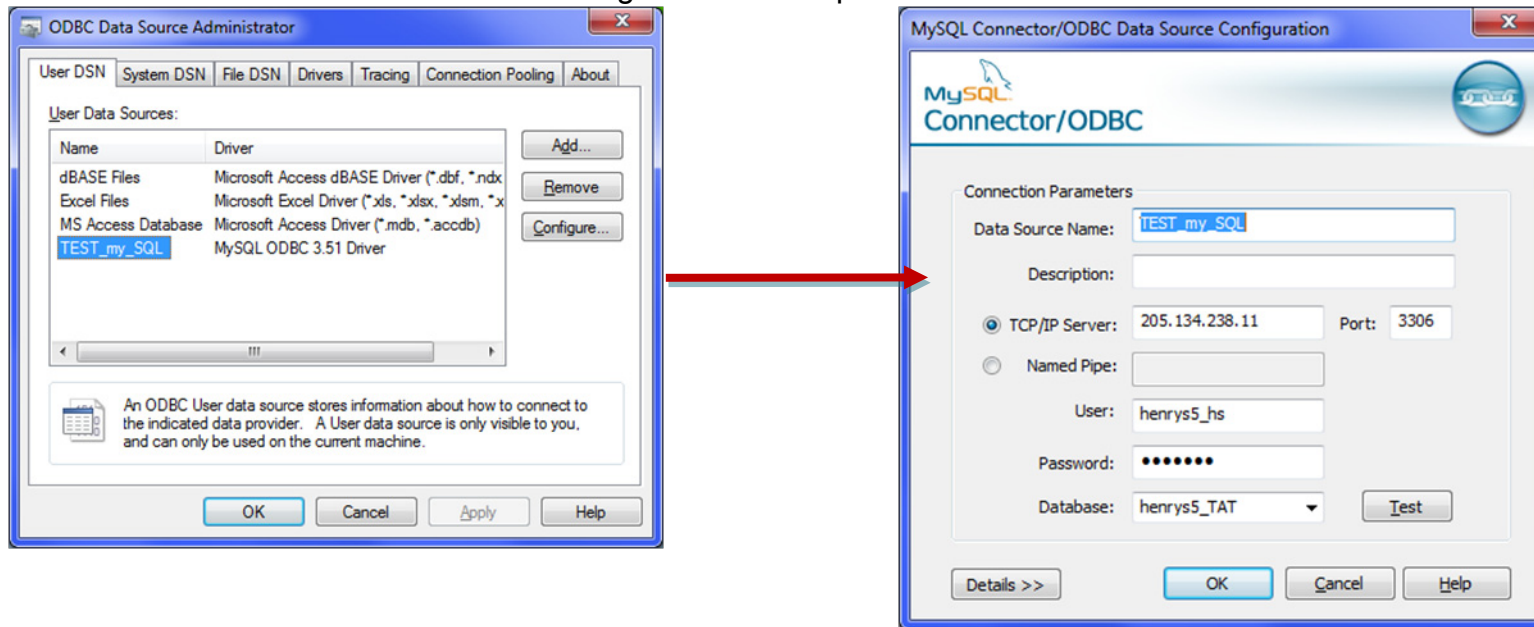
5. Under **Use Data Source Name**, select the name from the dropdown box that you gave the Data Source in **Install Drivers and Configure ODBC** above.
6. Enter user name and password. These fields must match those entered in the Data Source Name as configured in the DSN (in some cases they may be left blank). If the user name or password is changed in the database, you must create a new DSN.
7. Test the connection.
8. The path to this UDL file will be used in the TAZ *Equipment Table* in *Misc1*.

Password change

After initial configuration, a password change requires a change in the ODBC and in the UDL.

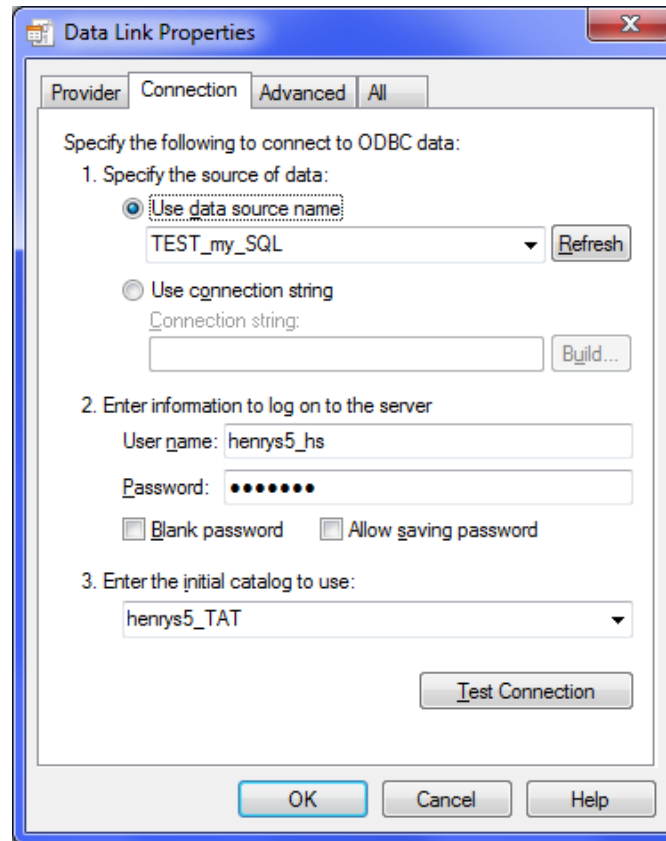
ODBC

Double-click data source name and change connection parameters:



UDL

Double-click udl file to begin editing



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- 3G Store
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