Migrate MySQL to Microsoft SQL Server

## Setup ODBC Connection to MySQL Database

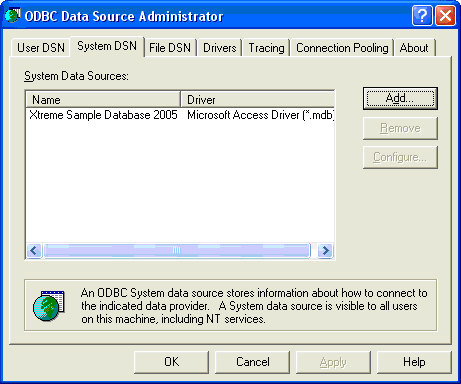
This article will not go through how to setup a MySQL or Microsoft SQL server, but make sure you have downloaded at least the **MySQL ODBC Connector** from

**http://dev.mysql.com/downloads/connector/**

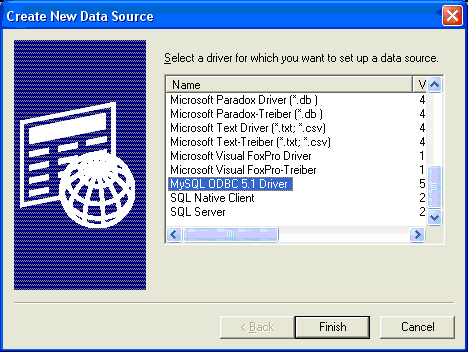
For this article, I downloaded the MySQL ODBC Connector 5.1.

The setup of this connector is pretty simple:

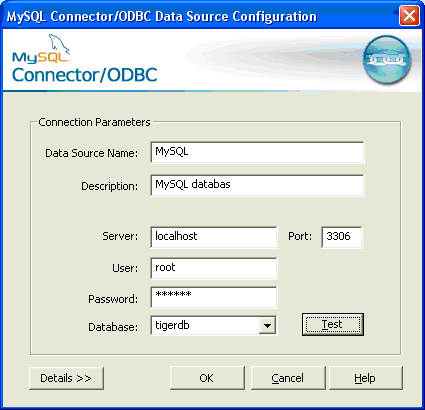
* Open your ODBC Data Source Administrator from the Control Panel -> Administrative Tools. Under the tab labelled as "System DSN", press the "Add" button.



* On the "Create New Data Source" dialog that appeared, choose MySQL ODBC 5.1 Driver and then press the "Finish" button.



* After that, a MySQL connection configuration dialog will appear. Add your MySQL database account information in it, preferably the "root" account which has full access to your databases in MySQL. In this case, my database is called "tigerdb". Do not change the port to anything other than 3306, unless during your MySQL server installation, you have defined something else.



* Press the "Test" button to ensure your connection settings are set properly and then the "OK" button when you're done.

## Create a Microsoft SQL Link to your MySQL Database

In this state, you are ready to establish a link towards MySQL database from your Microsoft SQL Server Management Studio. Open a query window and run the following SQL statement:

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EXEC master.dbo.sp\_addlinkedserver

@server = N'MYSQL',

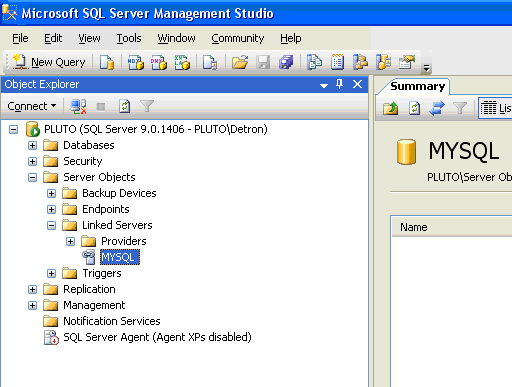
@srvproduct=N'MySQL',

@provider=N'MSDASQL',

@provstr=N'DRIVER={MySQL ODBC 5.3 ANSI Driver}; SERVER=localhost; \_

DATABASE=tigerdb; USER=root; PASSWORD=hejsan; OPTION=3'

This script will produce a link to your MySQL database through the ODBC connection you just created in the previous stage of this article. The link will appear in the Microsoft SQL Server Management Studio like this:



If it doesn't show up in the treeview, press the refresh button.

## Import Data between the Databases

Create a new database in Microsoft SQL Server. I called mine "testMySQL". In the query window, run the following SQL statement to import table shoutbox from the MySQL database tigerdb, into the newly created database in Microsoft SQL called testMySQL.

Hide   Copy Code

SELECT \* INTO testMySQL.dbo.shoutbox

FROM openquery(MYSQL, 'SELECT \* FROM tigerdb.shoutbox')