Setup ODBC to Connect to Windows 2012 SQL Server

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Open Database Connectivity

Open Database Connectivity (ODBC) is an interface that will allow us to link the Microsoft database program to the SQL server.



ODBC Data Source Administrator

On the Start menu on the Windows desktop, we will type ODBC in the Search textbox. When the Data Sources (ODBC) comes up in the query, we will choose it.

The ODBC Data Source Administrator window will appear. We then pick the System DSN tab and next we pick the Add button.

S ODB	C Da	ata Source Ad	ministrato	r				×
User D	SN	System DSN	File DSN	Drivers	Tracing	Connectio	on Pooling	About
Syste	em Da	ata Sources:						
Nar	ne	Driver					A	dd
							<u>R</u> e	move
							Conf	ìgure
	An ODBC System data source stores information about how to connect to the indicated data provider. A System data source is visible to all users							
		on this machi	ne, including	g N I serv	ices.			
			ОК	C	ancel		y 🗌	Help

Create New Data Source

We should then choose a driver to set up the data source. For our SQL server, we will highlight the SQL Server Native Client 11.0 and click the Finish button.

Create New Data Source			X
	Select a driver for which you want	to set up a data sourc	e.
	Name	Version	С
	SQL Server	6.01.7601.17514	Ν
011 0	SQL Server Native Client 10.0	2007.100.2531.00	Ν
	SQL Server Native Client 11.0	2011.110.2100.60	Ν
	•		۴
	< <u>B</u> ack	inish Cance	el

Create a New Data Source to SQL Server

On the Create a New Data Source to SQL Server, we will input the name of the database to which we will connect. Following that will be a good description and then the name of the SQL server.

80	This wizard will help you create an ODBC data source that you can use to conn SQL Server.	ect to
SOL Server 2012	What name do you want to use to refer to the data source?	
	Name: sqlDataFoodOrdering	
	How do you want to describe the data source?	
	Description: SQL Server 2012 Food Ordering Database	
	Which SQL Server do you want to connect to?	
	Server: DONNA-PC	•

Authentication

We will default to our Windows authentication. However, we could opt to use a specified login and password.

SQL Server 2012	With Integrated Windows authentication.
	S <u>P</u> N (Optional):
	$_{\bigodot}$ With SQL Server authentication using a login ID and password entered by to user.
	Login ID: Charles
	Password:

Change to the Desired Database

The ensuing window will have us select the database to which we will connect. By default, we will have the master database in the SQL server. We will annotate the change the default database checkbox and highlight the desired one from the list box.

The rest of the settings we keep the same.

See	Change the default database to:
and the second s	food_ordering
SQL Server 2012	Mirror server:
	SPN for mirror server (Optional):
	Attac <u>h</u> database filename:
	✓ Use ANSI quoted identifiers.
	Use ANSI nulls, paddings and warnings.
	Application intent:
	READWRITE
	Multi-subnet failover.

Finish Identifying the SQL Connection

We will maintain the settings on this page and push the Finish button.

SQL Server 2012	Change the language of SQL Server system messages to (Default)
	Use strong encryption for data
λ	Perform translation for character data
	✓ Use regional settings when outputting currency, numbers, dates and times.
	Save long running queries to the log file:
	C:\Users\Charles\AppData\Local\Temp\QUERY.LC Browse
	Long query time (milliseconds): 30000
	Log ODBC driver statistics to the log file:
	C:\Users\Charles\AppData\Local\Temp\STATS.LO Browse

Test the Data Source

Next, we will click on the Test Data Source button and the test should be completed successfully.



ODBC Microsoft SQL Server Setup	x
A new ODBC data source will be created with the following configurati	on:
Microsoft SQL Server Native Client Version 11.00.2100	*
Data Source Name: sqlDataFoodOrdering Data Source Description: SQL Server 2012 Food Ordering Database Server: DONNA-PC Use Integrated Security: Yes Database: food_ordering Language: (Default) Data Encryption: No Trust Server Certificate: No Multiple Active Result Sets(MARS): No Mirror Server: Translate Character Data: Yes Log Long Running Queries: No Log Driver Statistics: No Use Regional Settings: Yes Use ANSI Quoted Identifiers: Yes Use ANSI Null, Paddings and Warnings: Yes	
	Ŧ
Test Data Source OK Cance	

ODBC Date Source Created

We now have the database connection to the SQL server showing on the System DSN tab.

Source ODBC Data Source	e Administrato	r				×			
User DSN System [OSN File DSN	Drivers	Tracing	Connecti	on Pooling	About			
System Data Sources:									
Name	Driver	Driver				A <u>d</u> d			
sqlDataFoodOrder	ing SQL Server	Native Cli	ent 11.0		<u>R</u> er Conf	move			
An ODBC System data source stores information about how to connect to the indicated data provider. A System data source is visible to all users on this machine, including NT services.									