## ODBC Connection Setup – Windows 10

Before continuing with this process you will be needing the following information from the database developer:

- 1. The server path
- 2. Login ID
- 3. Password
- 4. The default Database name that must be typed in and NOT selected from the dropdown list.

An ODBC connection is required to connect your Microsoft Access database front-end to the Azure cloud SQL database back-end.

You should download and install the Microsoft® ODBC Driver 17 for SQL Server from the following web page:

Download ODBC Driver for SQL Server - ODBC Driver for SQL Server | Microsoft Docs When the driver has been installed type 'ODBC' in the Search bar bottom left of your screen. Then select the ODBC Data Source App that matches your PC. 32-bit or 64-bit.

The below ODBC Data Source Administrator opens. Select the 'System DNS' tab and click the 'Add' button.

ser DSN	System DSN	File DSN	Drivers	Tracing	Connection Pool	ing About	
Name	Platform Drive	er					Add
							Remove
							Configure
	An ODBC Sys A System dat	stem data su a source is	ource stor	es informa all users or	tion about how to this machine, inc	connect to the luding NT servi	indicated data provider ces.

Create New Data Source opens as below. Click 'ODBC Driver 17 for SQL Server' and then click the 'Finish' button.

ser DSN	System DSN	File DSN	Drivers	Tracing	Connection Pooling	About	
System Da	ata Sources:	Create New	/ Data Sc	ource			>
Name	Platform D				Select a driver for whi	ch you want to set up a data	source.
					Name		Version
			-		Microsoft Access Dr	iver (*.mdb, *.accdb)	16.00.14
		-	110		Microsoft Access Te	ext Driver (*.txt, *.csv)	16.00.14
		-			Microsoft Excel Driv	er (*.xls, *.xlsx, *.xlsm, *.xlsb)	16.00.14
					ODBC Driver 17 for	SQL Server	2017.17
					SQL Server		10.00.1
					SQL Server Native (	Client 11.0	2011.11
	An ODBC :				<		>
	A System d						
	_	-					

The below connection wizard opens. For Name enter 'Azure' and for Description enter 'Azure connection'.

The Server path to be entered will have been sent to you before beginning this process.

## Click the 'Next' button

	This wizard will help y SQL Server.	you create an (	DDBC data source	ce that you can use	to connect to
SOI Server	What name do you v	vant to use to r	efer to the data s	ource?	
	Name:	Azure			
	How do you want to	describe the d	ata source?		
	Description:	Azure connec	ction		
	Which SQL Server d	o you want to	connect to?		
	Server:	servergary.da	tabase.windows	.net	~

The SQL Server login options screen appears as below. Select the 3<sup>rd</sup> option 'With SQL Server authentication using a login ID and password entered by the user'.

Enter the Login ID and Password you have been given and click the 'Next' button.

create a rich bata boarce to bat beive	Create a	New	Data	Source	to	SQL	Serve
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SQL Server	<b>With Integrated N</b> SPN (Optional):	Windows au	thentication.	-	
	◯ With Azure Activ	e Directory	ntegrated auther	ntication.	
	With SQL Server     by the user.	r authentica	ion using a login	ID and password e	ntered
	O With Azure Activ and password en	e Directory itered by the	Password authen user.	tication using a log	in ID
	With Azure Activ entered by the us	e Directory ser.	Interactive authe	ntication using a log	gin ID
	With Azure Mana	aged Servic	e Identity authent	ication.	
	◯ With Azure Servi	ce Principal	authentication.		
	Login ID:	gary			
	Password:	•••••	•••		

On the screen below, tick the checkbox 'Change the default database to:' type in the database name you have been given. DO NOT OPERATE THE DROPDOWN BUTTON. Click 'Next'.

E.	database1
SQL Server	Mirror server:
	SPN for mirror server (Optional):
	Attach database filename:
	Use ANSI quoted identifiers.
	Use ANSI nulls, paddings and warnings. Application intent:
	READWRITE
	Multi-subnet failover. Transnarent Network IP Resolution
	Enclave Attestation Info:

The screen below appears. Click 'Finish'.

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Create a New Data Source to SQL Server

SQL Server	(Default) Use strong encryption for data. Trust server certificate.	
	<ul> <li>Perform translation for character data.</li> <li>Use regional settings when outputting currency, numbers, data</li> <li>Save long running queries to the log file:</li> </ul>	ates and times.
	C:\Users\gary\AppData\Local\Temp\QUERY.LOG	Browse
	Long query time (milliseconds): 300	00
	Log ODBC driver statistics to the log file:	
	C:\Users\gary\AppData\Local\Temp\STATS.LOG	Browse
	Connect retry count: 1	
	Connect retry interval (seconds): 10	

The screen below appears. Click the 'Test Data Source...' button.

X ODBC Microsoft SQL Server Setup A new ODBC data source will be created with the following configuration: Microsoft ODBC Driver for SQL Server Version 17.07.0002 ~ Data Source Name: Azure Data Source Description: Azure connection Server: servergary.database.windows.net Use Integrated Security: No Database: database1 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: No Use ANSI Quoted Identifiers: Yes Use ANSI Null, Paddings and Warnings: Yes OK Test Data Source ... Cancel

If everything is working correctly the following screen appears:

Gary Crookson – Microsoft Access Solutions – June 2021

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## SQL Server ODBC Data Source Test

Microsoft ODBC Driver for SQL Server Version 17.07.0002	^
Running connectivity tests	
Attempting connection	
Connection established	
NFO: Data encryption was enforced by server or client machine-wide setting	
NFO: Connection was encrypted without server certificate	
validation.	
Disconnecting from server	
TESTS COMPLETED SUCCESSFULLY!	
	~
	~

Click OK then OK then OK

Any local front-end databases that have been prepared for you should now work.