

# Restore Local Database to Azure Database

On 23 July 2014 00:50:20 by Dirk Strauss

Azure Databases – What do you need to do if you have a local database and you want to deploy it to [Azure](#)? I saw while researching for this article that there were a few ways to do this, but the method I'm going to show you is a nice quick and easy method.

## Azure Databases Created From Local Copy

To illustrate this I created a SQL database on Azure. Just select the Quick Create option.



Enter a suitable name for the database, select your subscription and server.

A screenshot of the 'CREATE SQL DATABASE' dialog. It shows fields for 'DATABASE NAME' (containing 'acme'), 'SUBSCRIPTION' (a dropdown menu), and 'SERVER' (another dropdown menu). At the bottom is a large 'CREATE SQL DATABASE' button with a checkmark icon.

Your newly created database will now be listed under your databases list on Azure. Click on the database name.

## sql databases

DATABASES		SERVERS	
NAME	STATUS	LOCATION	SUBSCRIBER
[REDACTED]	✓ Online	[REDACTED]	Visual Studio
acme	→ ✓ Online	[REDACTED]	Visual Studio

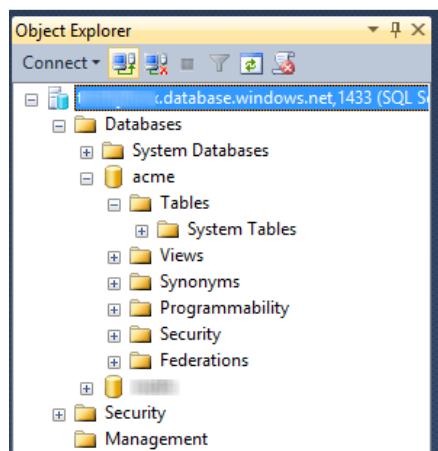
You will now see the database dashboard, and to the bottom you will see the server name listed.

The screenshot shows the Azure portal interface. At the top, there are two main sections: 'Design your SQL database' and 'Connect to your database'. Under 'Design your SQL database', there is a link to 'Download a starter project for your SQL database' and a 'Set up' button. Under 'Connect to your database', there is a link to 'Design your SQL database', a link to 'Run Transact-SQL queries against your database for ADO .Net, ODBC, PHP, and JDBC', and a 'Server:' input field containing the value 'xxxxxxxx.database.windows.net,1433'.

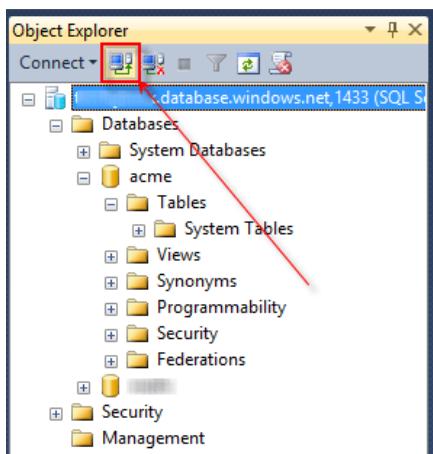
Start your copy of SQL Server Management Studio and connect to your server as set up on Azure, entering the server name and Login credentials.



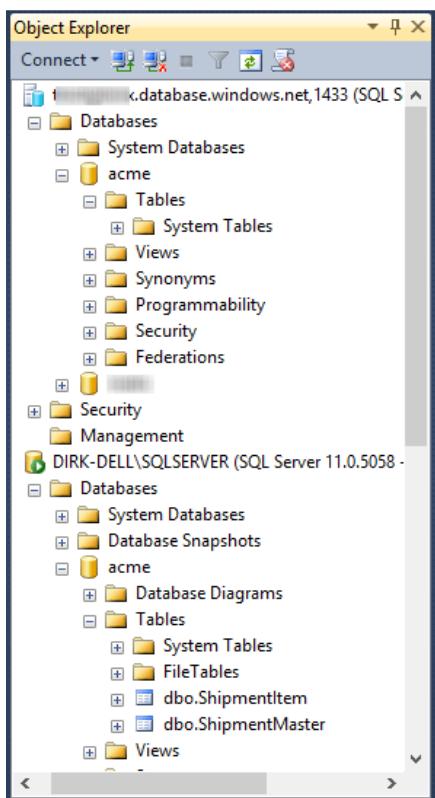
SQL Server Management Studio will now list the database you created earlier on Azure. As you can see, there are no tables yet.



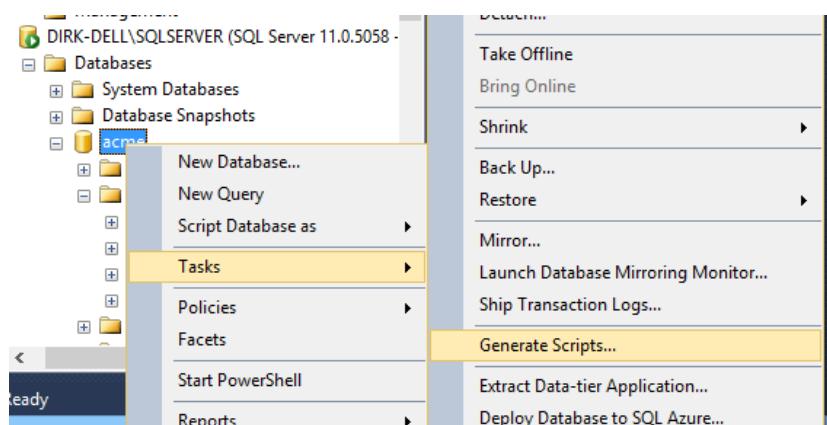
The next step is to connect to your local SQL Server instance.



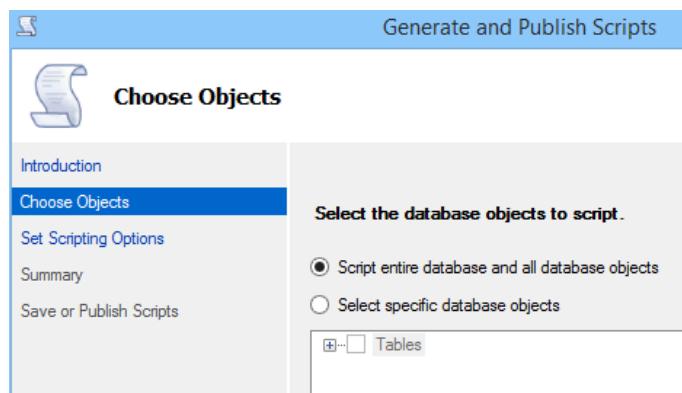
Once you have done that, you will see your Azure and the Local SQL Server instance listed. Expanding the local database tables, you will see the tables we want to script on the Azure instance.



Right click the local database and select Tasks -> Generate Scripts.



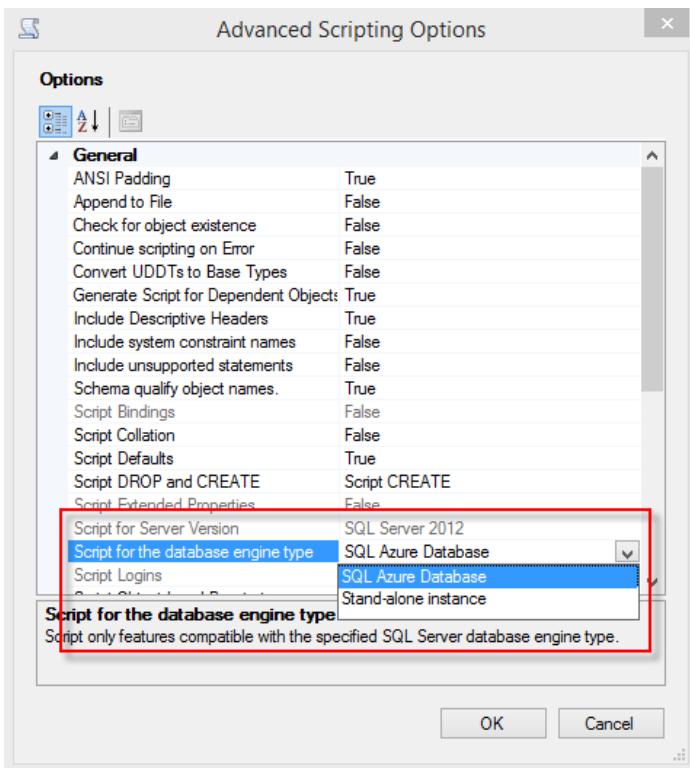
The script generator will now start. In this instance I have selected to script the entire database.



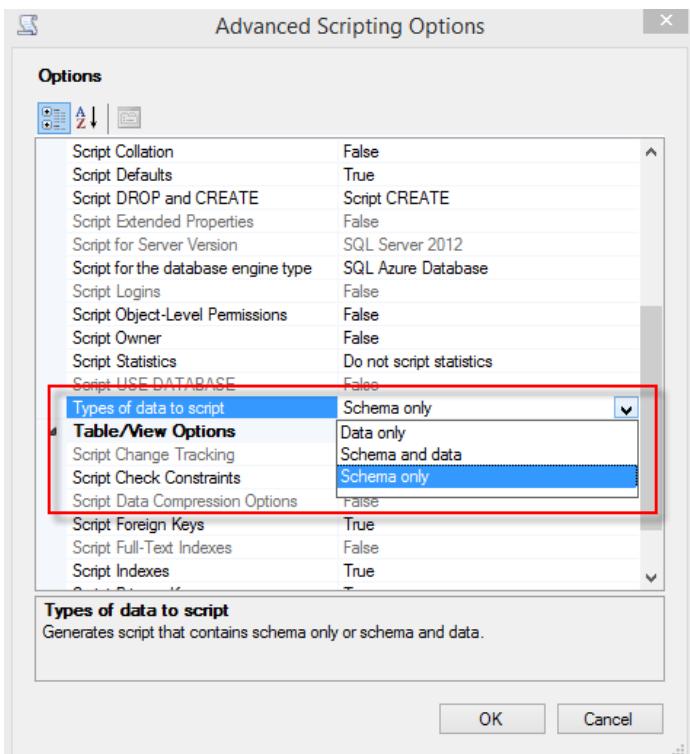
Before you create the script, click on the 'Advanced' button.



Under the advanced options, be sure to select to script the database for SQL Azure.



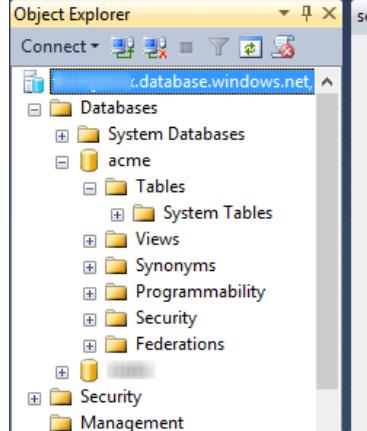
In my example, I chose to only script the schema but you can [script the schema and or data](#).



After you are done, create the script.

Saving or publishing scripts.	
Action	Result
Getting the list of objects from 'acme'.	Success
Preparing dbo.ShipmentItem	Success
Preparing dbo.ShipmentMaster	Success
Save to file	Success

The next step is to select the Azure database in SQL Server Management Studio and drop the script file in the editor window to open the script up against the Azure database.

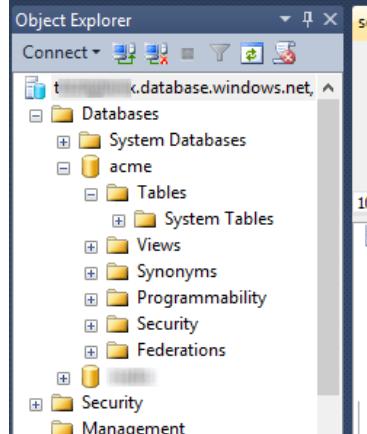


Object Explorer

script.sql - t (1351) X

```
***** Object: Table [dbo].[ShipmentItem]
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[ShipmentItem](
    [Shipment] [decimal](9, 0) NOT NULL,
    [ItemNumber] [decimal](9, 0) NOT NULL,
    [Status] [char](1) NULL,
    [SalesOrder] [char](20) NULL,
    [OrderLine] [decimal](4, 0) NULL,
    [DispatchNote] [char](20) NULL,
    [DispatchLine] [decimal](4, 0) NULL,
    [Tare] [decimal](9, 0) NULL,
    [Pack] [decimal](9, 0) NULL,
    [StockCode] [char](30) NULL,
    [Quantity] [decimal](18, 6) NULL,
```

Hit F5 and execute the created script.



Object Explorer

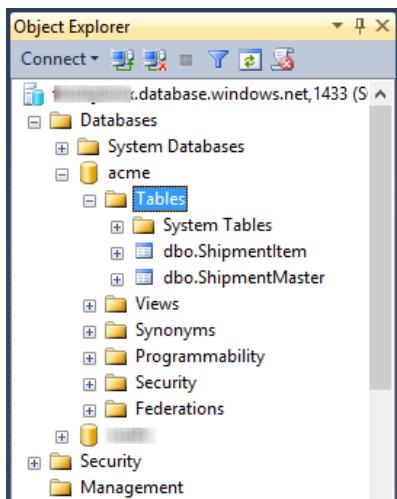
script.sql - t (1351) X

```
***** Object: Table [dbo].[ShipmentItem]
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[ShipmentItem]()
100 %
```

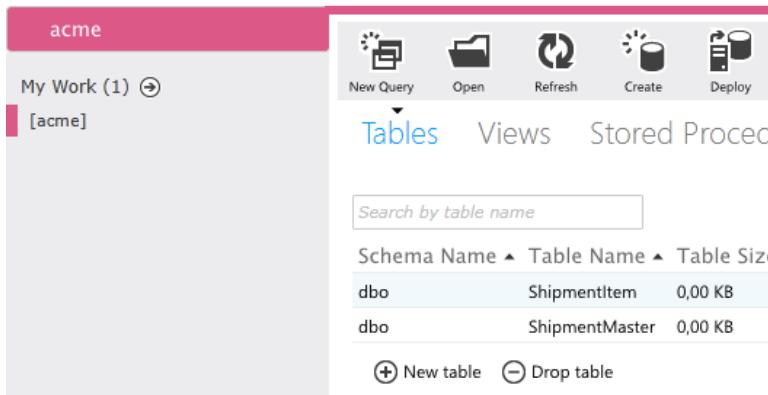
Messages

Command(s) completed successfully.

When the script execution completes, you will see the created database tables in the Azure database.



And to make sure that it all worked, log on to your Azure server and view the tables on your Acme database.



As you can see, getting your local database on Azure is really simple and all the tools are built right in to SQL Server Management Studio.