Walkthrough-Create a SQL database

In this walkthrough task we will create a SQL database in Azure and then query the data in that database.

You can complete this walkthrough task by completing the steps outlined below, or you can simply read through them, depending on your available time.

Prerequisites

- You require need an Azure subscription to perform these steps. If you don't have one you can create one by following the steps outlined on the **Create your Azure free account today**[1] webpage.

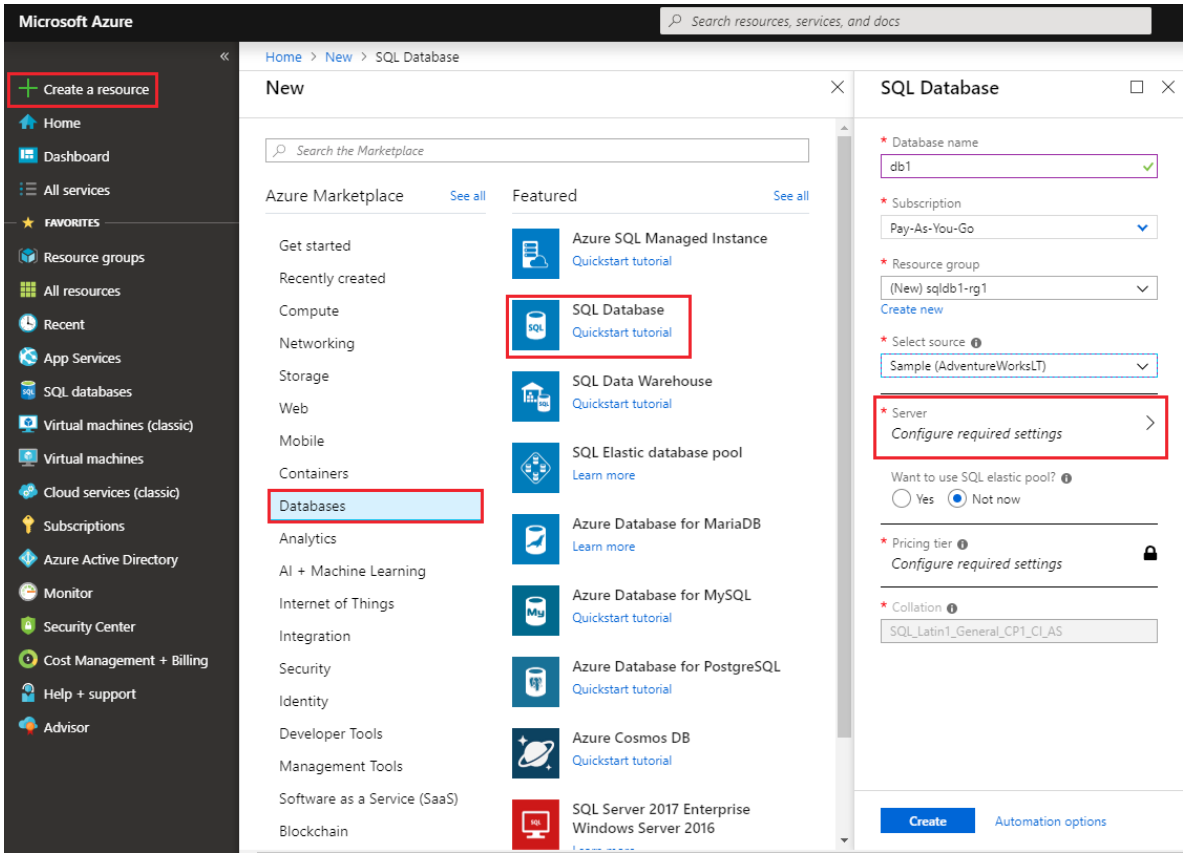
Steps

1. Sign in to the Azure portal at **https://portal.azure.com**[2]
2. Select **Create a resource** on the upper left hand side of the Azure Portal. Select **Databases** > **SQL Databases** and in the **SQL Database** pane ill in the ields as per the below table, and then click **Server**

Setting	Value
Database name	**db1**
Subscription	< Select your subscription >
Resource group	Select **Create new**, enter **sqldb1-rg1**, then select **OK**.
Select source	Select **Sample AdventureWorksLT**

1 https://azure.microsoft.com/en-us/free/?ref=microsoft.com&utm_source=microsoft.com&utm_medium=docs&utm_campaign=visualstudio

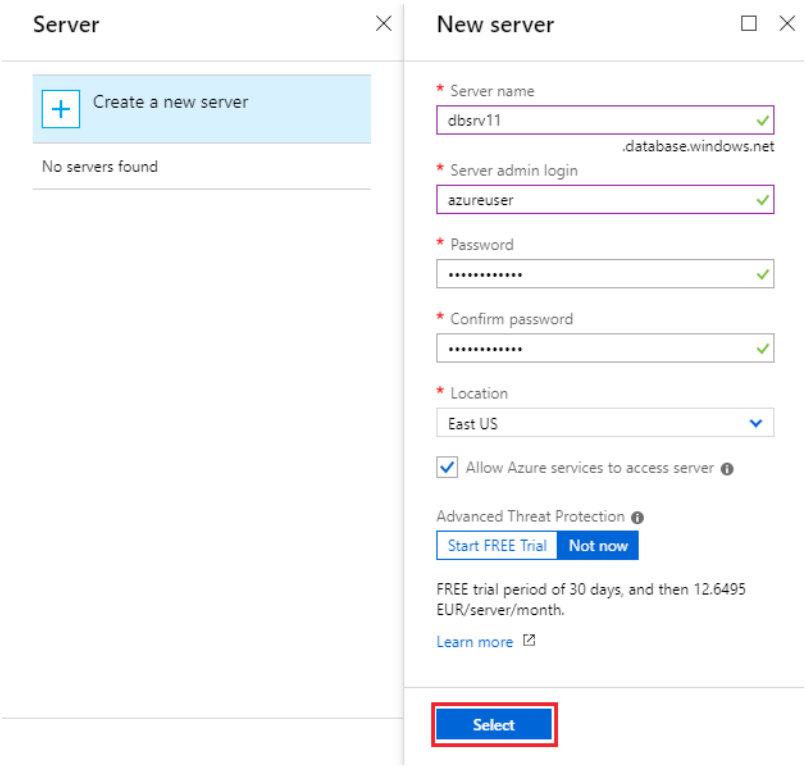
2 https://portal.azure.com



3.

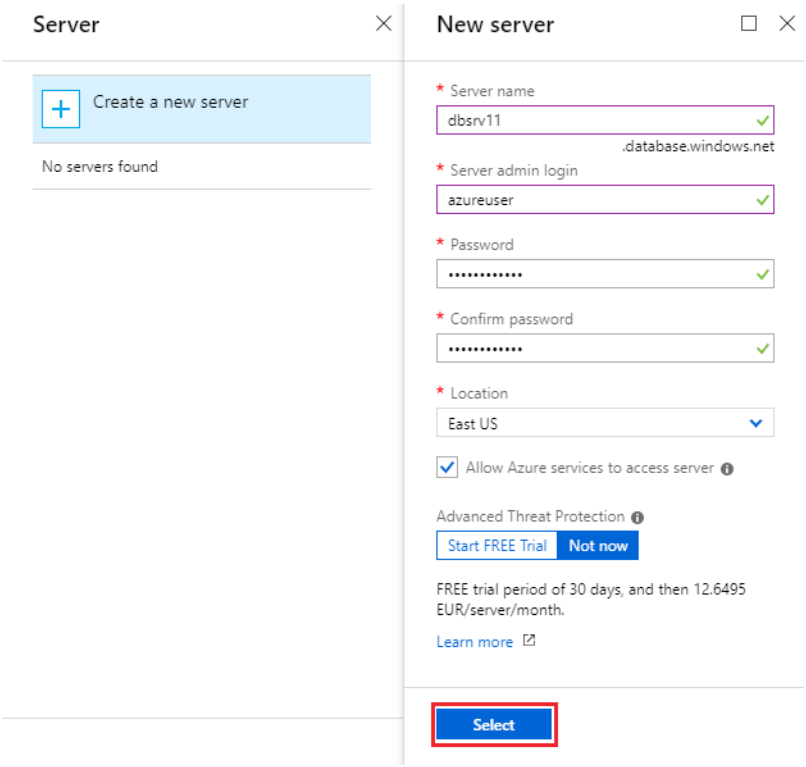
4. In the **Server** pane, choose **Create a new server** and complete the New server pane using below details and click **Select** when finished.

Setting	Value
Server name	< this needs to be a unique name >
Server admin login	**azureuser**
Password	Enter a password that meets the complexity requirements.
Location	**East US**



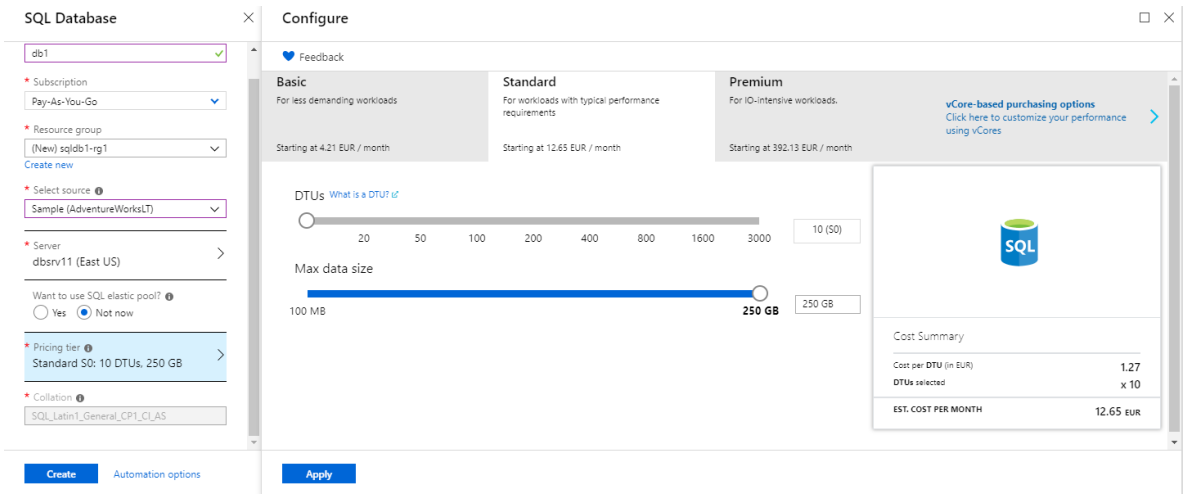
5.

6. On the **Storage Accounts** window that appears, if there are no storage accounts present you can select **Create storage account**, or if there are already storage accounts present, this option will nt be present and you can choose the option **+ Add**.



7.

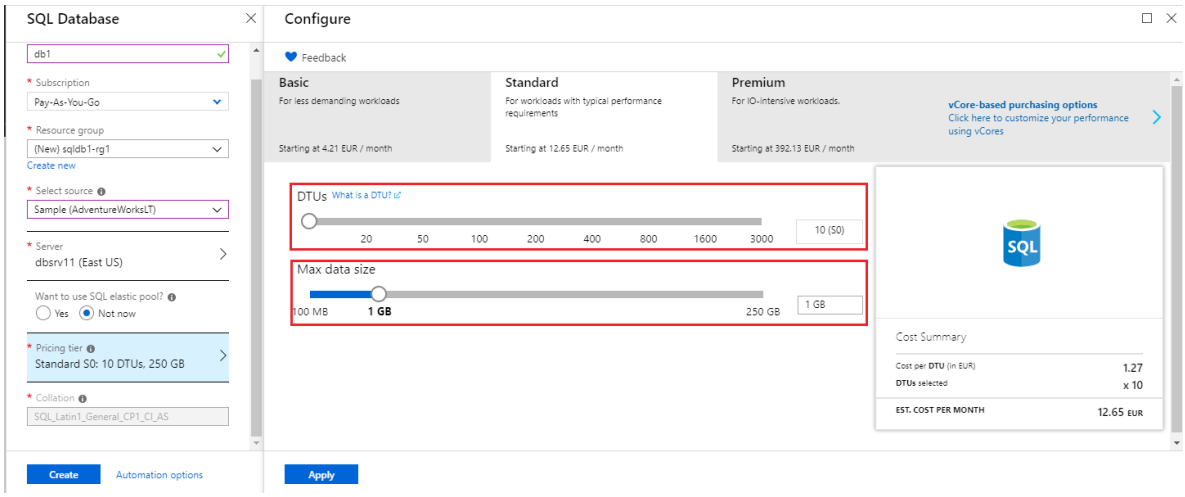
8. On the **SQL Database** pane , select **Pricing tier**. Explore the amount of *DTUs* and *storage* available for each service tier.



9.

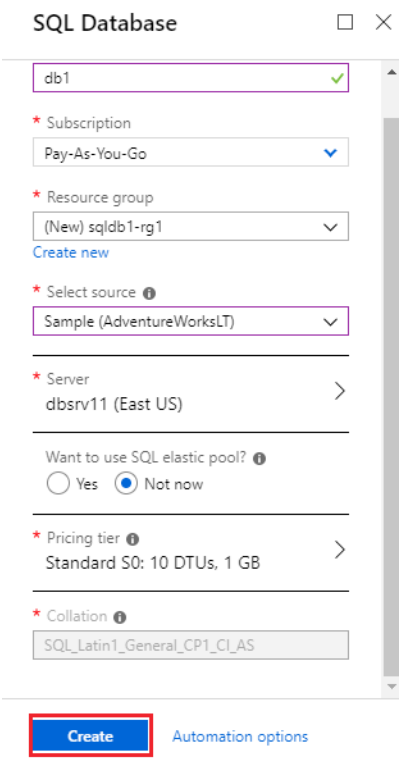
Note: This database uses the DTU-based purchasing model, but there is another, the vCore-based purchasing model, which is also available.

1. Select the **Standard** service tier, and then use the slider to select **10 DTUs** (S0) and **1 GB** of storage and select **Apply**.



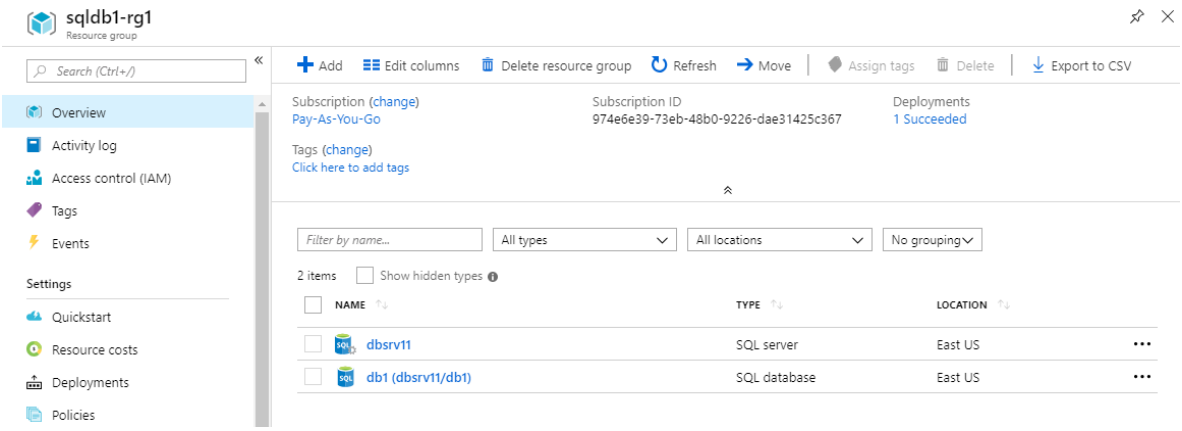
2.

3. Click **Create** to deploy and provision the resource group, server, and database. It can take approx 2 to 5 minutes to deploy.



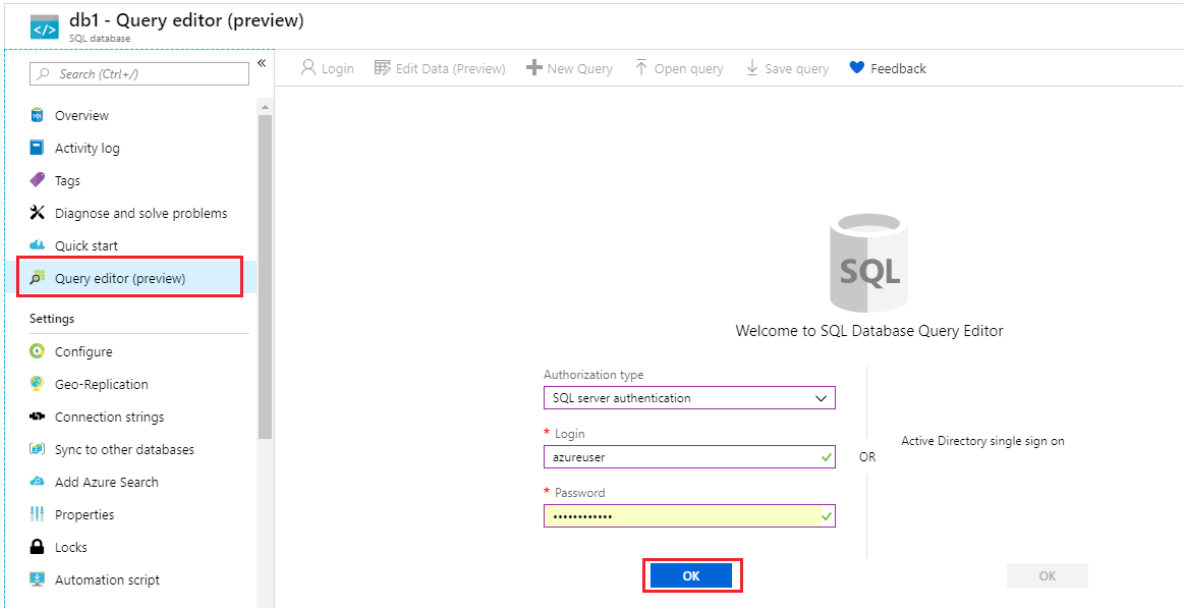
4.

5. Once complete verify the successful deployment by going to the resource group you just created in the Azure Portal and verifying the presence of the server and database.



6.

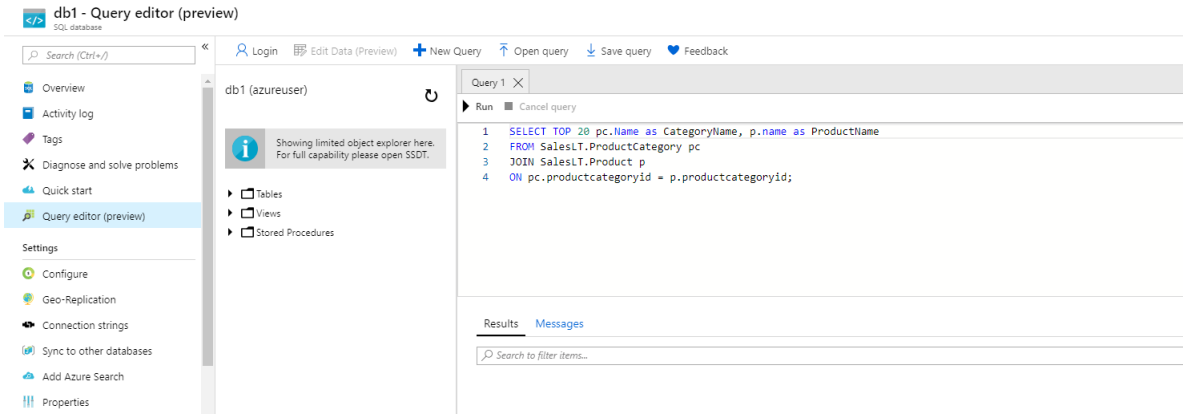
7. Open the SQL database you crated **db1**, go to the **Query Editor (preview)** in the left hand pane, and enter the login details and password. then click **OK**



8.

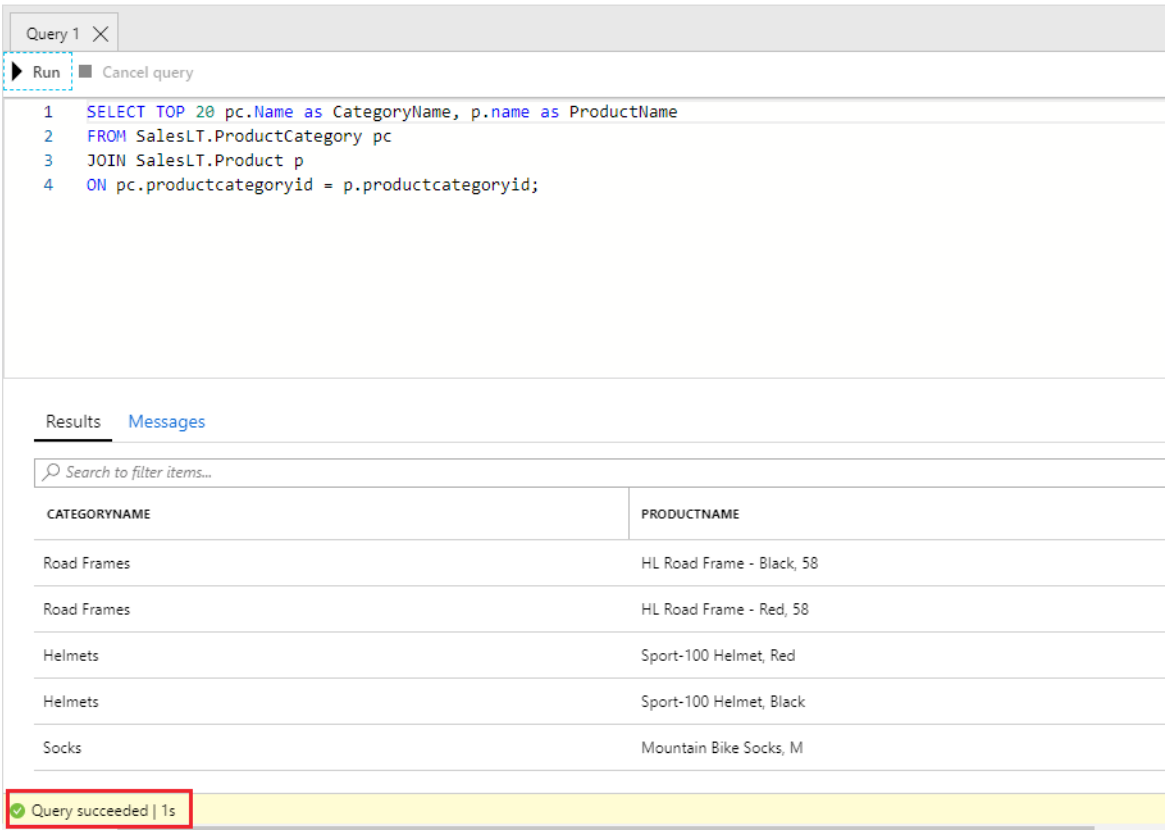
9. Once you log in successfully the query pane appears, enter the following query into the editor pane

```
SELECT TOP 20 pc.Name as CategoryName, p.name as ProductName
FROM SalesLT.ProductCategory pc
JOIN SalesLT.Product p
ON pc.productcategoryid = p.productcategoryid;
```



10.

11. Select *Run**, and then review the query results in the **Results** pane. The query should run successfully.



12.

Congratulations! You have created a SQL database in Azure and successfully queried the data in that database.

Note: Remember to delete the resources you have just deployed if you are no longer using them to ensure you do not incur costs for running resources. You can delete all deployed resources by deleting the resource group in which they all reside.