# Create a SQL Database

## Use Case:

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

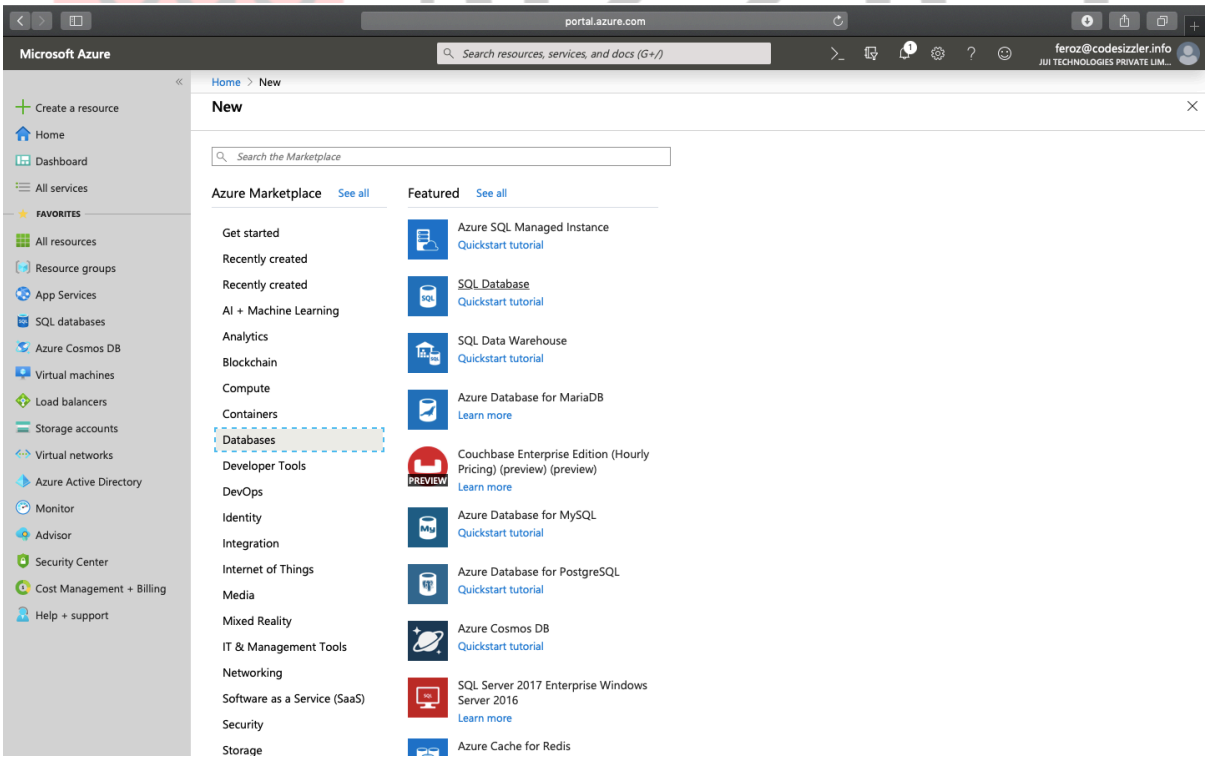
## Prerequisites:

- 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 webpage.

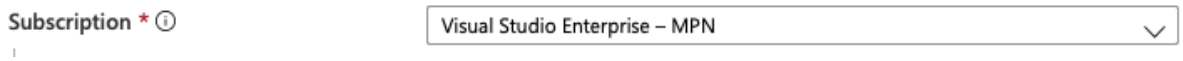
## Steps:

1.Sign in to the Azure portal at https://portal.azure.com

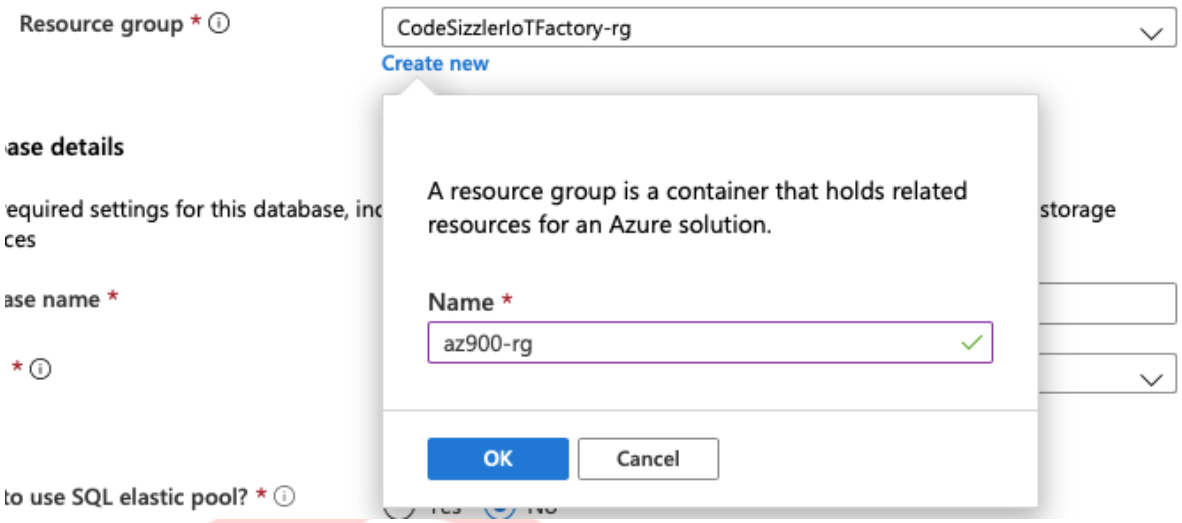
2. Select **Create a resource** on the upper left-hand side of the Azure Portal. Select **Databases** > **SQL Databases** and in the **SQL Database** pane fill in the fields as per the below table, and then click **Server**



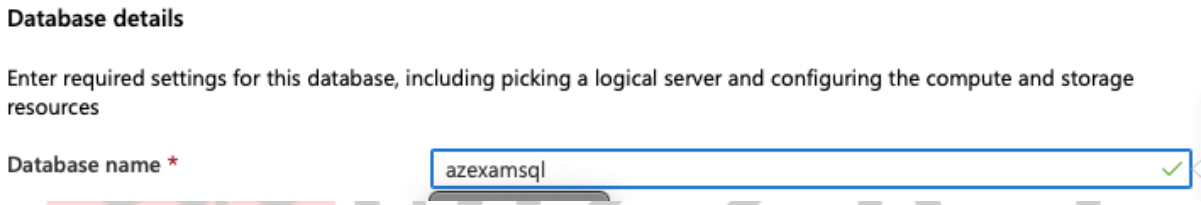

- Subscription=Select the subscription here



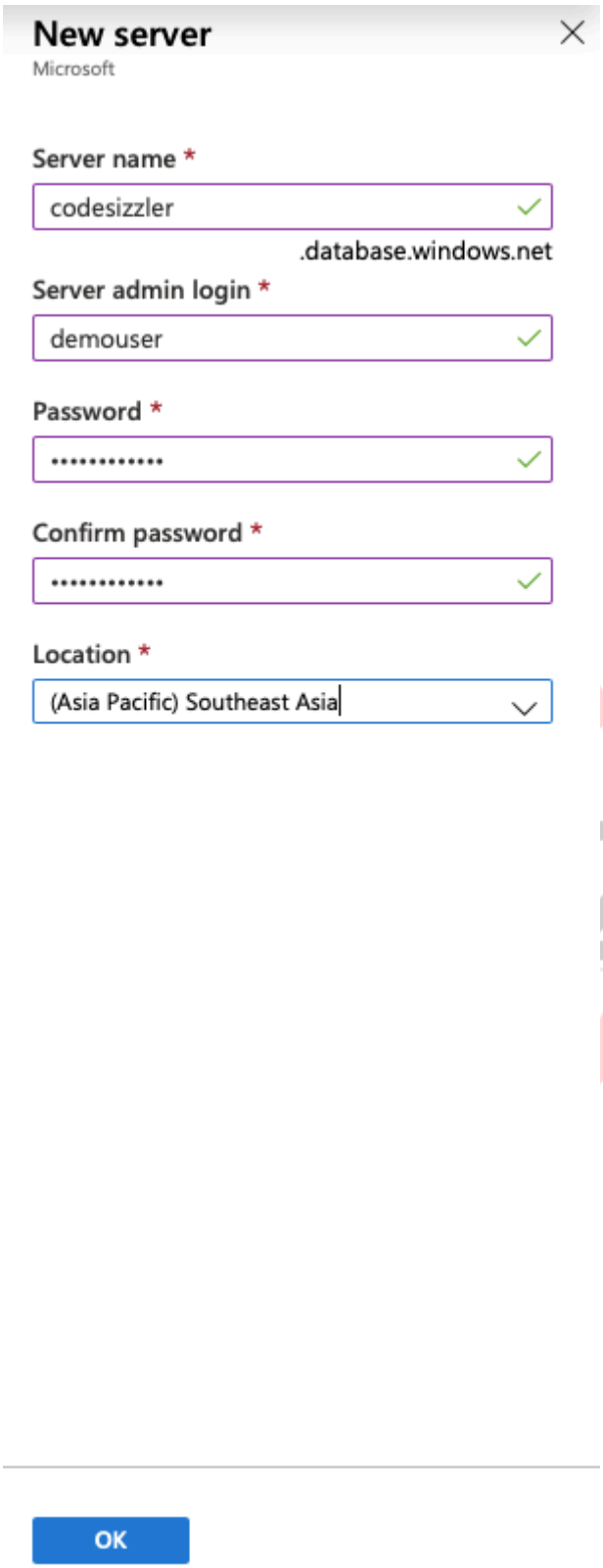
- Resource group=Create a new resource group for the SQL database (az-900-rg)




- Database name=**azexamsql**



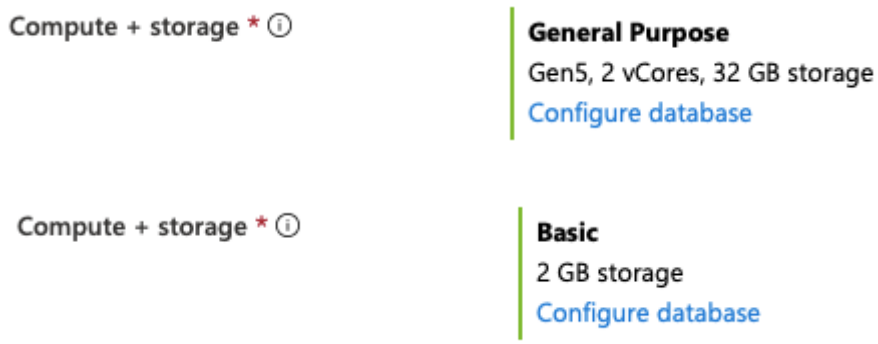

- Server - **Create a new server** and complete the New server pane using below details and click **Select** when finished. Setting Value Server name < this needs to be a unique name > Server admin login **demouser** Password Enter a password that meets the complexity requirements. Location **Southeast Asia**
  (Server Name: codesizzler)




3. On the Compute + **Storage Accounts** window that appears, if there are no storage accounts present you can select **Create storage account**, or if there are

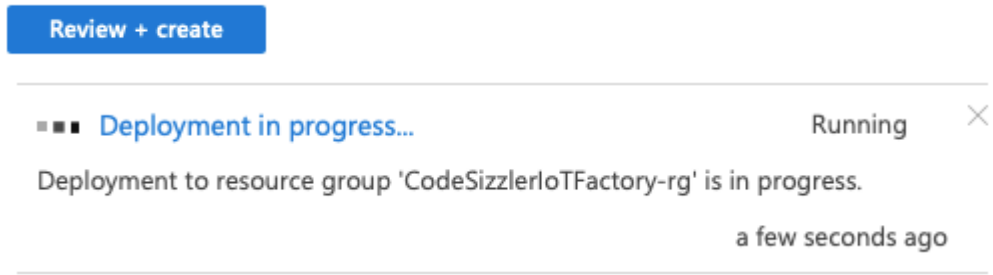
already storage accounts present, this option will not be Present and you can choose the option + **Add** which can be used to configure the database.

Click on configure the database and configure it for "Basic – 2GB storage".

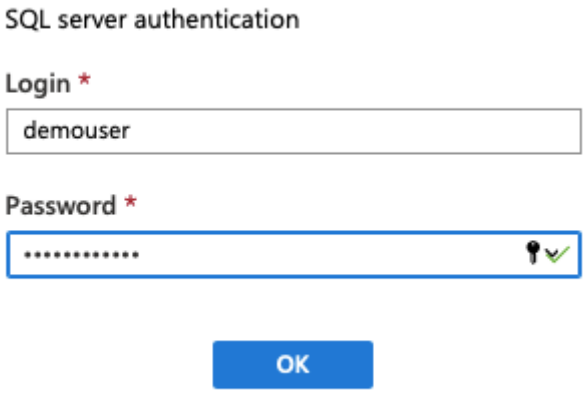



4. On the SQL Database pane select Pricing tier. Explore the amount of DTUs and storage available for each service tier.
Note: This database uses the DTU-based purchasing model, but there is another, the vCore-based purchasing model, which is also available.

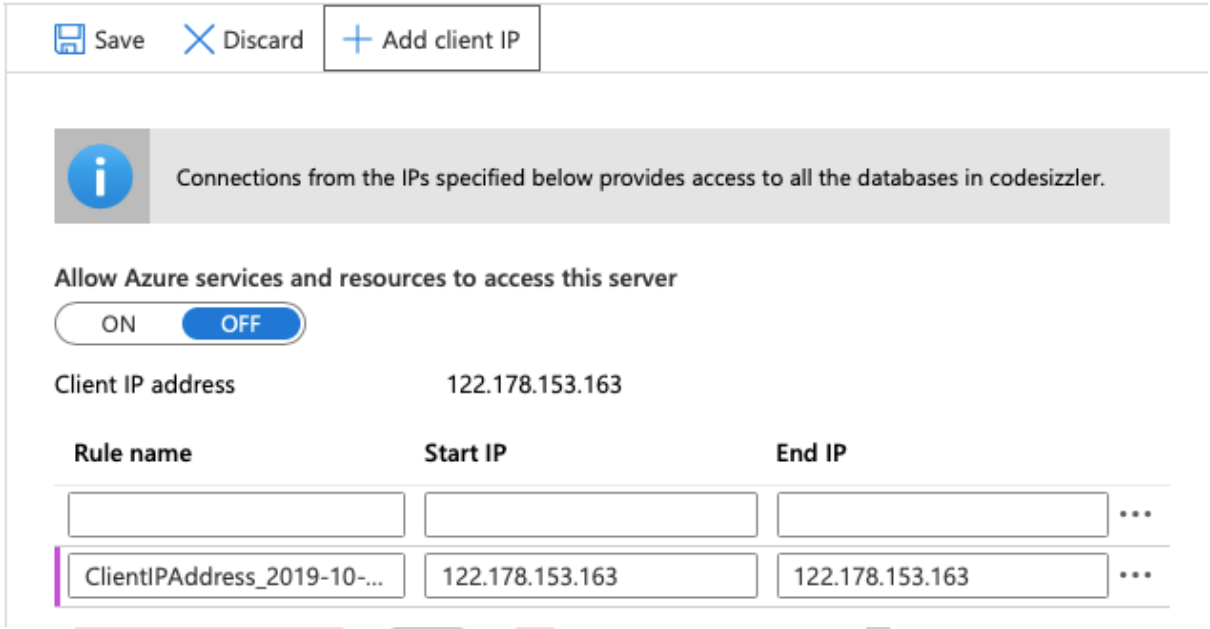
5. Click **Review + Create** to deploy and provision the resource group, server, and database. It can take approx 2 to 5 minutes to deploy.

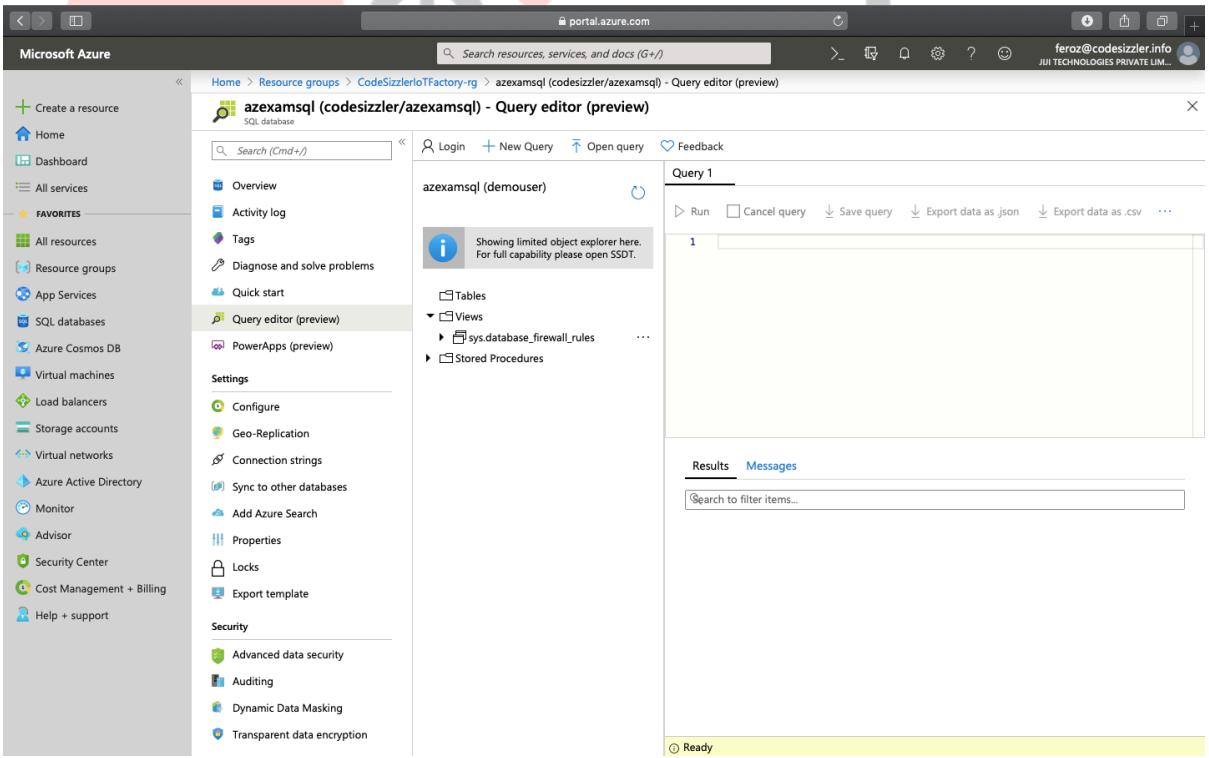



6. Open the SQL database you created **db1**, go to the **Query Editor** (preview) in the left pane, and enter the login details and password. then click OK



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



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