

Create a SQL Database

Use Case:

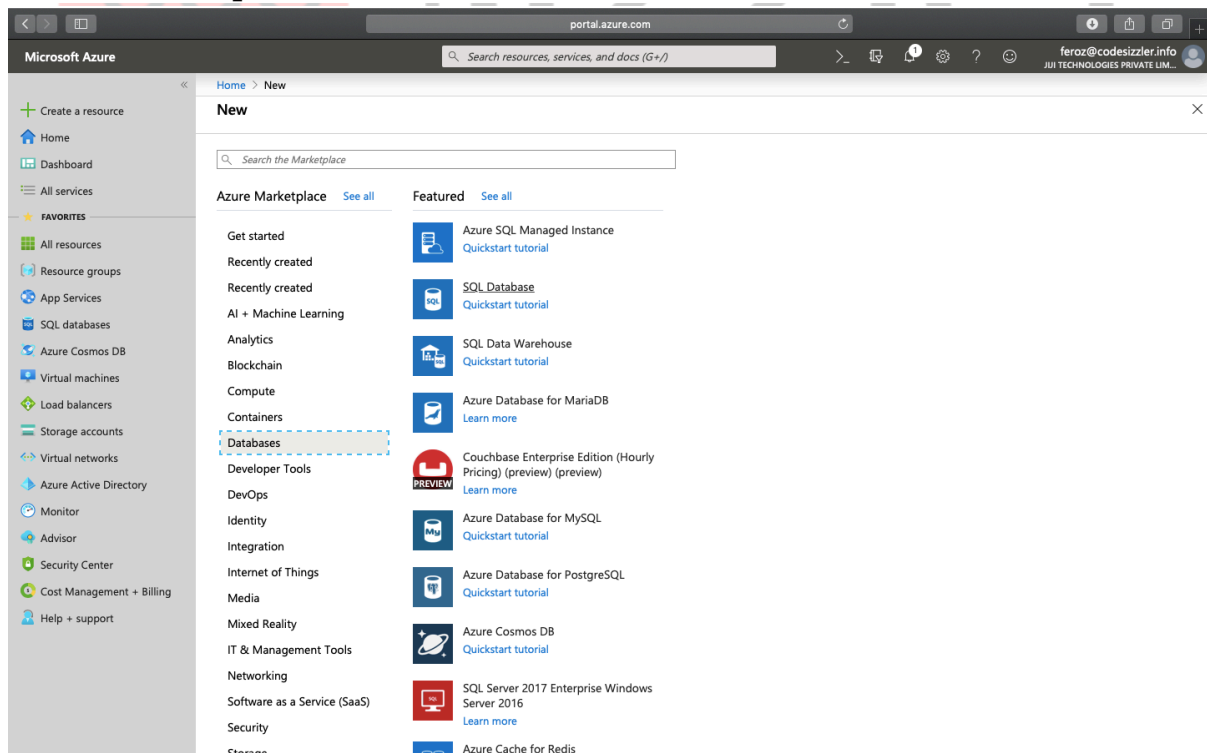
In this walkthrough task we will create a SQL database in Azure and then query the data in that database.

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

Subscription * ⓘ

Visual Studio Enterprise – MPN

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

Resource group * ⓘ

CodeSizzlerIoTFactory-rg

Create new

Database details

Enter required settings for this database, including picking a logical server and configuring the compute and storage resources

Database name *

az900-rg

OK Cancel

A resource group is a container that holds related resources for an Azure solution.

Name *

az900-rg

to use SQL elastic pool? * ⓘ

- Database name=azexamsql

Database details

Enter required settings for this database, including picking a logical server and configuring the compute and storage resources

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)

New server

Microsoft

Server name *

codesizzler

✓

.database.windows.net

Server admin login *

demouser

✓

Password *

.....

✓

Confirm password *

.....

✓

Location *

(Asia Pacific) Southeast Asia

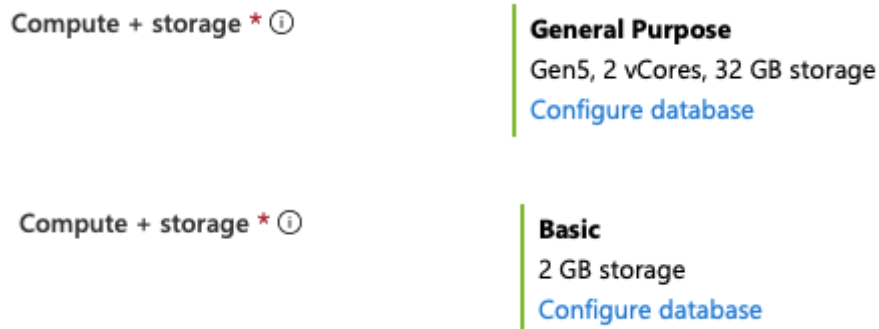
✓

OK

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.

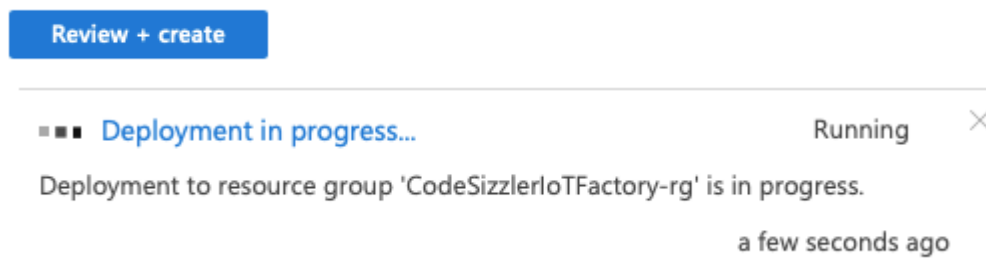
Click on configure the database and configure it for “Basic – 2GB storage”.



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

SQL server authentication

Login *

Password *

OK

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

Save Discard Add client IP

Connections from the IPs specified below provides access to all the databases in codesizzler.

Allow Azure services and resources to access this server

ON OFF

Client IP address122.178.153.163

Rule name	Start IP	End IP	
			...
ClientIPAddress_2019-10-...	122.178.153.163	122.178.153.163	...

Microsoft Azure

Home > Resource groups > CodeSizzlerIoTFactory-rg > azexamsql (codesizzler/azexamsql) - Query editor (preview)

azexamsql (codesizzler/azexamsql) - Query editor (preview)

Search (Cmd+I)

Login New Query Open query Feedback

OverviewActivity logTagsDiagnose and solve problemsQuick startQuery editor (preview)PowerApps (preview)

SettingsConfigureGeo-ReplicationConnection stringsSync to other databasesAdd Azure SearchPropertiesLocksExport templateSecurityAdvanced data securityAuditingDynamic Data MaskingTransparent data encryption

azexamsql (demouser)

Showing limited object explorer here. For full capability please open SSDT.

TablesViewssys.database_firewall_rulesStored Procedures

Query 1

Run Cancel query Save query Export data as json Export data as csv

1

Results Messages

Search to filter items...

Ready

