

## EXP 21. CREATE A SQL STORAGE SERVICE AND PERFORM A BASIC QUERY USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE/GCP/AWS) TO DEMONSTRATE DATABASE AS A SERVICE (DAAS)

### AIM:

CREATE A SQL STORAGE SERVICE AND PERFORM A BASIC QUERY USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE/GCP/AWS) TO DEMONSTRATE DATABASE AS A SERVICE (DAAS)

### PROCEDURE:

STEP1: GOTO AZURE AND GOTO SQL DATABASE.

STEP2: Now Create a Sql Database

STEP3: SELECT THE RESOURCE GROUP AND ENTER THE SERVER NAME THAT APPLICABLE.

STEP4: IN NETWORKING SELECT ALLOW AZURE SERVICES AND RESOURCES TO ACCESS THIS SERVER.

STEP5: IN ADDITIONAL SETTINGS SELECT SAMPLE.

STEP6: AND THE SQL DATABASE IS DEPLOYED

STEP7: NOW GOTO QUERY EDITOR.

STEP8: NOW AGAIN LOGIN TO THE SQL DATABASE

STEP9: OUR TABLES WILL SHOWN AND TYPE THE QUERY TO EXECUTED.

### OUTPUT:

The screenshot shows the 'Create SQL Database' wizard in the Microsoft Azure portal. The 'Review + create' tab is active, showing the following details:

- Product details:** SQL database by Microsoft. Links for 'Terms of use' and 'Privacy policy' are provided.
- Estimated cost:** Storage cost 0.00 USD / month + Compute cost 0.000000 USD / vCore second.
- Cost summary:**
  - General Purpose (GP\_S\_Gen5\_2): Cost per GB (in USD) 0.00.
  - Max storage selected (in GB) x 41.6.
  - First 32 GB storage free.
  - First 100,000 vCore seconds free.
  - Overage billing<sup>1</sup>: Disabled.

At the bottom, there is a 'Create' button, a '< Previous' button, and a link to 'Download a template for automation'.

Microsoft Azure

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Home >

Microsoft.SQLDatabase.newDatabaseNewServer\_fb634f6a1c2f4e19b9947 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name : Microsoft.SQLDatabase.newDa... Start time : 11/24/2025, 3:49:33 PM  
Subscription : Azure for Students Correlation ID : a06aef88-1e16-48f8-84cf-c71e...  
Resource group : Record

Deployment details

Resource	Type	Status	Operation
exp21server123	Microsoft.Sql/servers	Accepted	Operation

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Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name : Microsoft.SQLDatabase.newDa... Start time : 11/24/2025, 3:49:41 PM  
Subscription : Azure for Students Correlation ID : a06aef88-1e16-48f8-84cf-c71e...  
Resource group : Record

Deployment details

Next steps

Go to resource

Deployment succeeded

Deployment  
'Microsoft.SQLDatabase.newDatabaseNewServer\_fb63...  
to resource group 'Record' was successful.

Go to resource Go to resource group

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☐ Name ↑

☐ exp21db (exp21server123/exp21db)

Showing 1 - 1 of 1. Display auto count

<https://portal.azure.com/>

### exp21db (exp21server123/exp21db) | Query editor (preview)

SQL database

quer Login + New Query ↑ Open query Feedback Getting started

**Query editor (preview)**

Intelligent performance

Query performance insight

Query 1 × Query 2 × Query 3 × Query 4 ×

Run Cancel query Save query Export data as Show only Editor

```
1 SELECT CustomerID, FirstName, LastName, EmailAddress
2 FROM SalesLT.Customer;
```

**Results** Messages

Search to filter items...

CustomerID	FirstName	LastName	EmailAddress
1	Orlando	Gee	orlando0@adventure-v

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### SQL databases

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### exp21db (exp21server123/exp21db) | Query editor (preview)

SQL database

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**Query editor (preview)**

Intelligent performance

Query performance insight

Query 1 × **Query 2** × Query 3 × Query 4 ×

Run Cancel query Save query Export data as Show only Editor

```
1 SELECT COUNT(*) AS TotalCustomers
2 FROM SalesLT.Customer;
```

**Results** Messages

Search to filter items...

TotalCustomers
847

Add or remove favorites by pressing Ctrl+Shift+F

The image displays two screenshots of the Microsoft Azure portal's Query Editor interface for an Azure SQL Database named 'exp21db'.

**Top Screenshot:**

- Query Editor (preview):** Shows a query titled 'Query 3' with the following SQL code:

```
1 SELECT TOP 5 FirstName, LastName
2 FROM SalesLT.Customer;
```
- Results:** Displays a table with two columns: 'FirstName' and 'LastName'. The results are:

FirstName	LastName
Orlando	Gee

**Bottom Screenshot:**

- Query Editor (preview):** Shows a query titled 'Query 4' with the following SQL code:

```
1 SELECT FirstName, LastName
2 FROM SalesLT.Customer
3 WHERE Title = 'Mr.';
```
- Results:** Displays a table with two columns: 'FirstName' and 'LastName'. The results are:

FirstName	LastName
Orlando	Gee

## RESULT:

A SQL storage service (Azure SQL Database) was successfully created using Microsoft Azure. The database was deployed with sample data, and a SQL query was executed using the Query Editor. Thus, **Database as a Service (DaaS)** is demonstrated.