

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 Microsoft Azure portal interface for creating a new SQL database. The top navigation bar includes 'Microsoft Azure', a search bar, and various account and service icons. The main page title is 'Create SQL Database' under the 'Microsoft' category. Below the title, there are tabs for 'Basics', 'Networking', 'Security', 'Additional settings', 'Tags', and 'Review + create'. The 'Review + create' tab is currently selected. On the left, there's a 'Product details' section showing 'SQL database by Microsoft' and links to 'Terms of use' and 'Privacy policy'. To the right, there's an 'Estimated cost' section stating 'Storage cost 0.00 USD / month + Compute cost 0.000000 USD / vCore second'. Further down, there's a 'Cost summary' section for a 'General Purpose (GP_S_Gen5_2)' instance, showing a cost of 0.00 USD per hour for 41.6 seconds. At the bottom, there are buttons for 'Create', '< Previous', and 'Download a template for automation'.

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Deployment

Search | Delete | Cancel | Redeploy | Download | Refresh

Overview

Deployment is in progress

Deployment name : Microsoft.SQLDatabase.newDa... Start time : 11/24/2025, 3:49:33 PM
Subscription : Azure for Students Correlation ID : a06aeef88-1e16-48f8-84cf-c71e...
Resource group : Record

Deployment details

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

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Deployment

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Overview

Your deployment is complete

Deployment name : Microsoft.SQLDatabase.newDa... Start time : 11/24/2025, 3:49:41 PM
Subscription : Azure for Students Correlation ID : a06aeef88-1e16-48f8-84cf-c71e...
Resource group : Record

Deployment details

Next steps

[Go to resource](#)

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

Results Messages

Search to filter items...

TotalCustomers

847

The image consists of two vertically stacked screenshots of the Microsoft Azure portal's SQL Database interface.

Screenshot 1: The user has run the following query:

```
1 SELECT TOP 5 FirstName, LastName
2 FROM SalesLT.Customer;
```

The results show two rows of data:

FirstName	LastName
Orlando	Gee

Screenshot 2: The user has modified the query to include a WHERE clause:

```
1 SELECT FirstName, LastName
2 FROM SalesLT.Customer
3 WHERE Title = 'Mr.';
```

The results show the same two rows of data as in Screenshot 1:

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.