

EXP NO 26. 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:

Step 1: Goto azure and go to SQL database.

Step 2: Now Create a SQL Database

Step 3: Select the resource group and enter the server name that applicable.

Step 4: In networking select allow azure services and resources to access this server.

Step 5: In additional settings select sample.

Step 6: And the SQL database is deployed

Step 7: Now go to query editor.

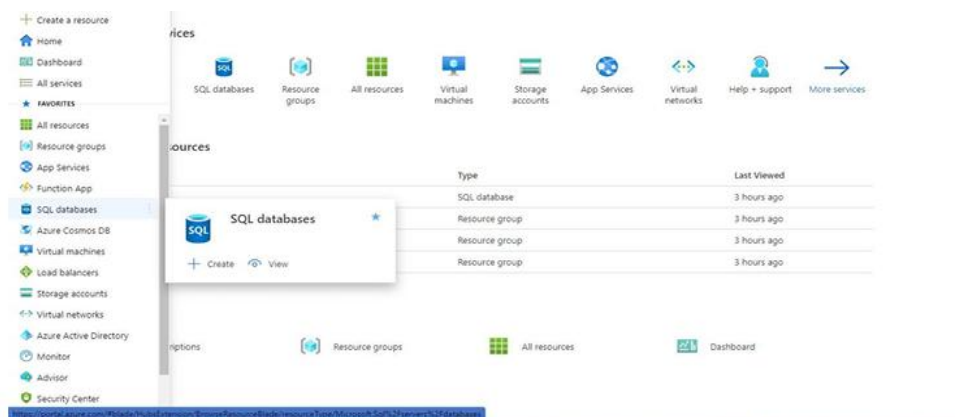
Step 8: Now again login to the SQL database

Step 9: Our tables will shown and type the query to executed.

IMPLEMENTATION:

Step 1: Goto azure and go to SQL database.

Step 2: Now Create a SQL Database



Step 3: Select the resource group and enter the server name that applicable.

Home > SQL databases >

SQL databases

Default Directory

+ Create Reservations ...

Filter for any field...

Name *

test-db (trial123/test-db)

Page 1 of 1

Create SQL Database

Microsoft

Basics Networking Security Additional settings Tags Review + create

Create a SQL database with your preferred configurations. Complete the Basics tab then go to Review + Create to provision with smart defaults, or visit each tab to customize. [Learn more](#)

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * Azure for Students

Resource group * test

Create new

Database details

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

Database name * Enter database name

Review + create Next: Networking >

Step 4: In networking select allow azure services and resources to access this server.

Home > SQL databases >

Create SQL Database

Microsoft

Basics Networking Security Additional settings Tags Review + create

Configure network access and connectivity for your server. The configuration selected below will apply to the selected server 'trial123' and all databases it manages. [Learn more](#)

Firewall rules

The settings displayed below are read-only. They can be modified from the "Firewalls and virtual networks" blade after database creation. [Learn more](#)

Allow Azure services and resources to access this server ☒ No ☒ Yes

Private endpoints

Private endpoint connections are associated with a private IP address within a Virtual Network. The list below shows all the private endpoint connections for this server. Note that private endpoint connections are defined at the server level and they provide access to all databases in the server. [Learn more](#)

+ Add private endpoint

Name	Subscription	Resource group	Region	Subnet
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Click on add to create private endpoint

Review + create < Previous Next: Security >

Step 5: In additional settings select sample.

Home > SQL databases >

Create SQL Database

Microsoft

Basics Networking Security Additional settings Tags Review + create

Customize additional configuration parameters including collation & sample data.

Data source

Start with a blank database, restore from a backup or select sample data to populate your new database.

Use existing data * ☒ None ☒ Backup ☒ Sample

Database collation

Database collation defines the rules that sort and compare data, and cannot be changed after database creation. The default database collation is SQL_Latin1_General_CP1_CI_AS. [Learn more](#)

Collation * SQL_Latin1_General_CP1_CI_AS

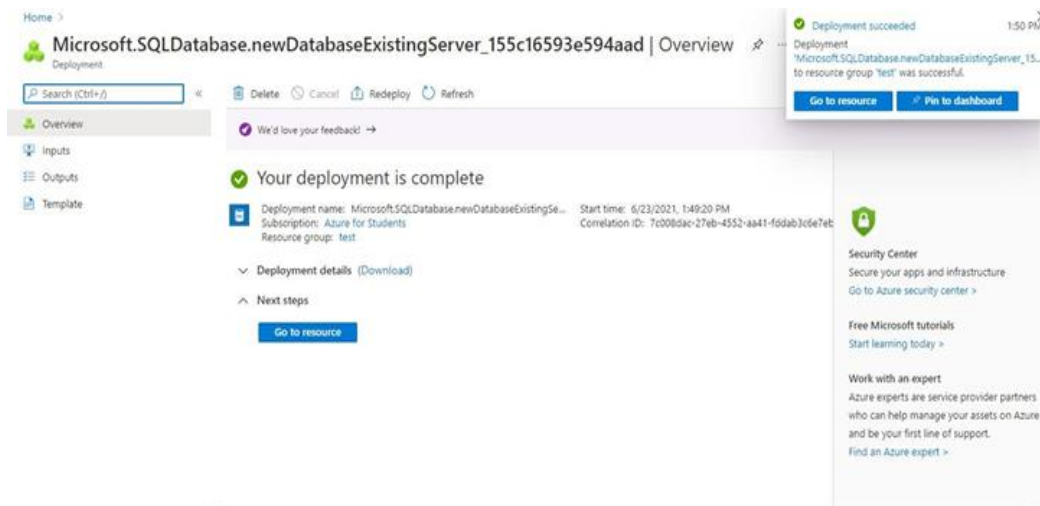
Find a collation

Maintenance window

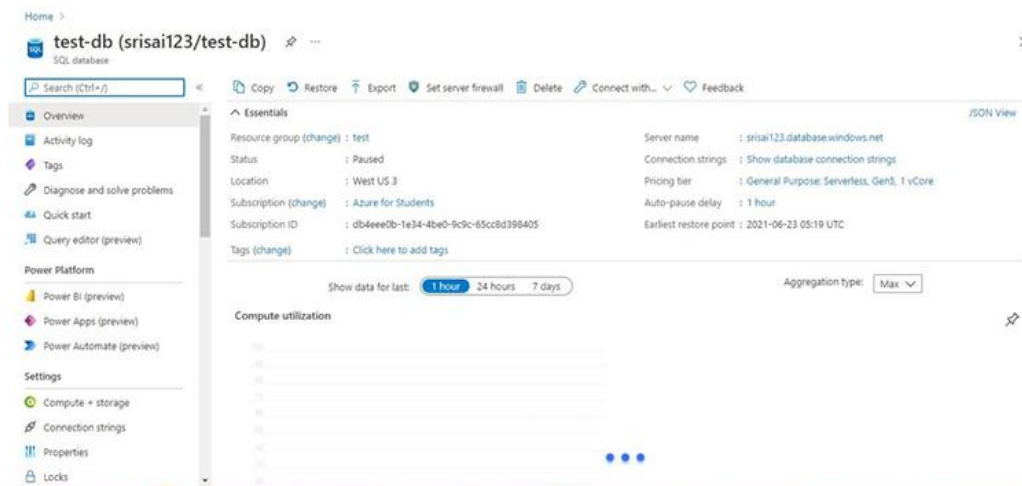
Select a preferred maintenance window from the drop down. Please note, during a maintenance event, Azure SQL Database are fully available and accessible but some of the maintenance updates require a failover as Azure takes SQL

Review + create < Previous Next: Tags >

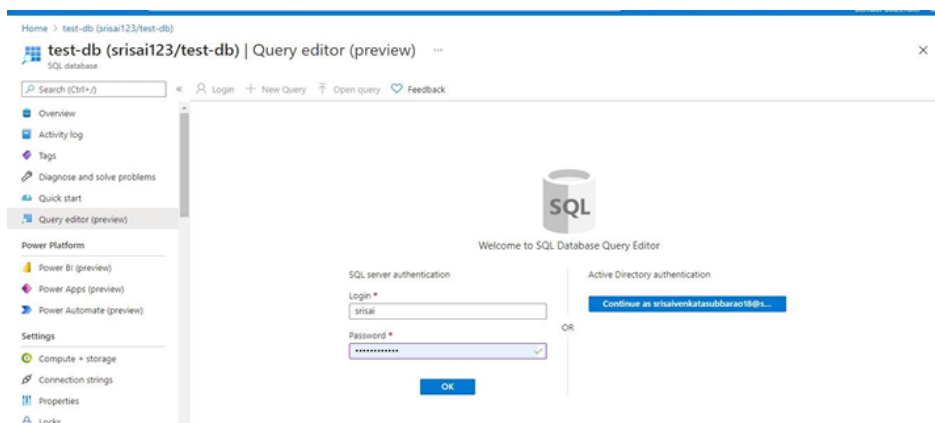
Step 6: And the SQL database is deployed.



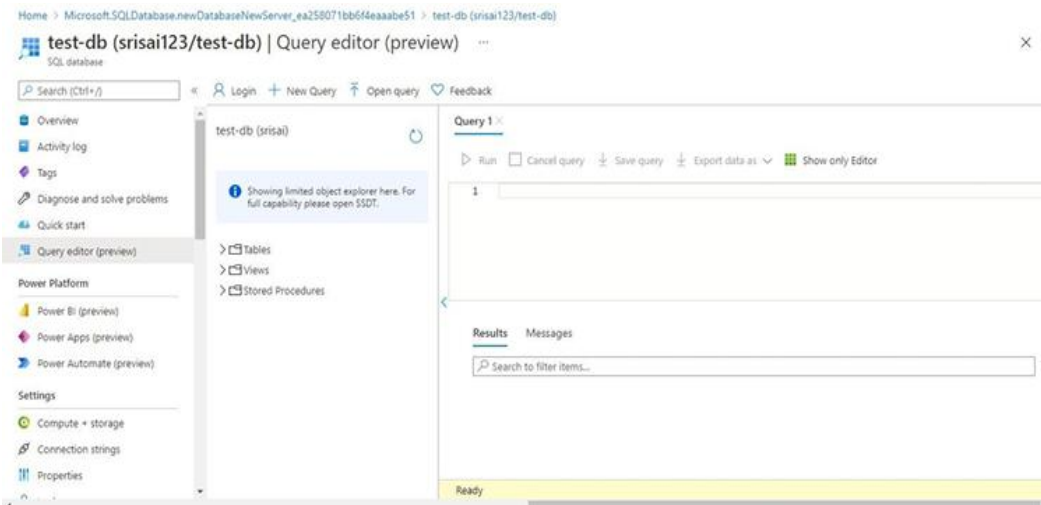
Step 7: And now go to query editor.



Step 8: And now again login to the SQL database



Step 9: And our tables will shown and type the query to executed.



Step 10: And our output is ready.

