

## EXPERIMENT 20

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)

**Azure services**

- Create a resource
- SQL databases
- Storage accounts
- Marketplace
- Databases for SAP solutions
- All resources
- Resource groups
- Virtual machines
- App Services
- More services

**Resources**

Name	Type	Last Viewed
prudvi	Storage account	24 minutes ago
KEERTHIREDDY	Resource group	27 minutes ago
swetha (sreeja/swetha)	SQL database	3 hours ago
keerthi345	Storage account	3 hours ago
bharathi07_group	Resource group	4 hours ago
keerthi	Resource group	23 hours ago
sreenureddy685_z1	Network interface	23 hours ago
tulasireddy	Static Web App	23 hours ago
tulasireddy.azurum	Resource group	23 hours ago

**Storage accounts**

Default Directory (keerthireddy4165@sesaiveeth.onmicrosoft.com)

+ Create Restore Manage view Refresh Export to CSV Open query Assign tags Delete

Filter for any field... Subscription equals all Resource group equals all Location equals all Add filter

Showing 1 to 3 of 3 records.

Name ↑↓	Type ↑↓	Kind ↑↓	Resource group ↑↓	Location ↑↓	Subscription ↑↓
csg1003200306cdd9e6	Storage account	StorageV2	cloud-shell-storage-centralin...	Central India	Azure for Students
keerthi345	Storage account	StorageV2	bharathi07_group	South India	Azure for Students
prudvi	Storage account	StorageV2	KEERTHIREDDY	South India	Azure for Students

< Previous Page 1 of 1 Next >

Give feedback

# EXPERIMENT 20

The screenshot displays the Microsoft Azure portal interface. The top navigation bar shows the user is logged in as 'keerthreddy4165.sse...'. The main content area is titled 'SQL databases' and shows a list of resources. Below the list, there are filters and sorting options. The bottom section of the screenshot shows the 'Create SQL Database' wizard, which includes a 'Project details' section for selecting a subscription and resource group, a 'Database details' section for entering the database name, and a 'Cost summary' section on the right showing pricing for 'General Purpose (GP\_S\_Gen5\_1)'.

**SQL databases**

Home > SQL databases

Filter for any field... Subscription equals all Resource group equals all Location equals all Add filter

No grouping List view

Name Server Replica type Pricing tier Location Subscription

< Previous Page Next >

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Microsoft Azure

Home > SQL databases >

**Create SQL Database**

Microsoft

Want to try Azure SQL Database for free? Create a free serverless database with the first 100,000 vCore seconds, 32GB of data, and 32GB of backup storage free per month for the lifetime of the subscription. [Learn more](#)

Apply offer (Preview)

**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 \* KEERTHIREDDY

Create new

**Database details**

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

Database name \* VARSHA

Review + create Next: Networking >

**Cost summary**

General Purpose (GP\_S\_Gen5\_1)

Cost per GB (in INR) 10.30

Max storage selected (in GB) x 41.6

ESTIMATED STORAGE COST / MONTH 426.31 INR

COMPUTE COST / VCORE SECOND \* 0.012520 INR

**NOTES**

\* Serverless databases are billed in vCore seconds based on a combination of CPU and memory utilization. [Learn more about serverless billing](#)

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Home > SQL databases >

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Microsoft Azure

## EXPERIMENT 20

The screenshot displays the Microsoft Azure portal interface. The top section shows the 'Create SQL Database' page with various configuration options. The bottom section shows the 'Deployment is in progress' status for the resource 'Microsoft.SqlDatabase.newDatabaseExistingServer\_acfdbbf9265d4524'.

**Create SQL Database**

Transparent data encryption (Server level): Service-managed key selected  
Database level customer-managed key: Not configured  
Database level user assigned managed identity: Not configured  
Advanced data security: Not now  
Always encrypted with secure enclaves: Not configured  
Sql Ledger(Database): Disabled  
Digest Storage: Disabled

**Additional settings**

Use existing data: Blank  
Collation: SQL\_Latin1\_General\_CP1\_CI\_AS  
Maintenance window: System default (5pm to 8am)

**Tags**

**Deployment details**

Resource	Type	Status	Operation details
sreeja/VARSHA	SQL database	Accepted	<a href="#">Operation details</a>
sreeja	SQL server	OK	<a href="#">Operation details</a>

**Deployment details**

Deployment name: Microsoft.SqlDatabase.newDatabaseExistingServer\_acfdbbf9265d4524  
Subscription: Azure for Students  
Resource group: KEERTHIREDDY  
Start time: 10/19/2023, 12:43:21 PM  
Correlation ID: 919d6775-3a0b-4e84-9f57-e1b129b1a...

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PAGE 1

## EXPERIMENT 20

The first screenshot shows the 'Overview' page of a Microsoft SQL Database deployment. The deployment is complete, with a green checkmark and the message 'Your deployment is complete'. The deployment name is 'Microsoft.SQLDatabase.newDatabaseExistingServer\_acfdbbf9265d4524'. The start time is 10/19/2023, 12:43:21 PM. The subscription is 'Azure for Students' and the resource group is 'KEERTHIREDDY'. A 'Go to resource' button is visible. A notification banner at the top right states 'Deployment succeeded'. The second screenshot shows the 'Overview' page of the newly created SQL database, 'VARSHA (sreeja/VARSHA)'. The database is online and located in Central India. The server name is 'sreeja.database.windows.net'. The connection strings are displayed. The database data storage is shown as 0.01% used space. The compute utilization is shown as a line graph.

Microsoft Azure portal showing the deployment of a Microsoft SQL Database. The deployment is complete, and the resource is named 'Microsoft.SQLDatabase.newDatabaseExistingServer\_acfdbbf9265d4524'. The deployment details show the start time, subscription, and resource group. A notification banner indicates 'Deployment succeeded'. The second screenshot shows the 'Overview' page of the newly created SQL database, 'VARSHA (sreeja/VARSHA)'. The database is online and located in Central India. The server name is 'sreeja.database.windows.net'. The connection strings are displayed. The database data storage is shown as 0.01% used space. The compute utilization is shown as a line graph.

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