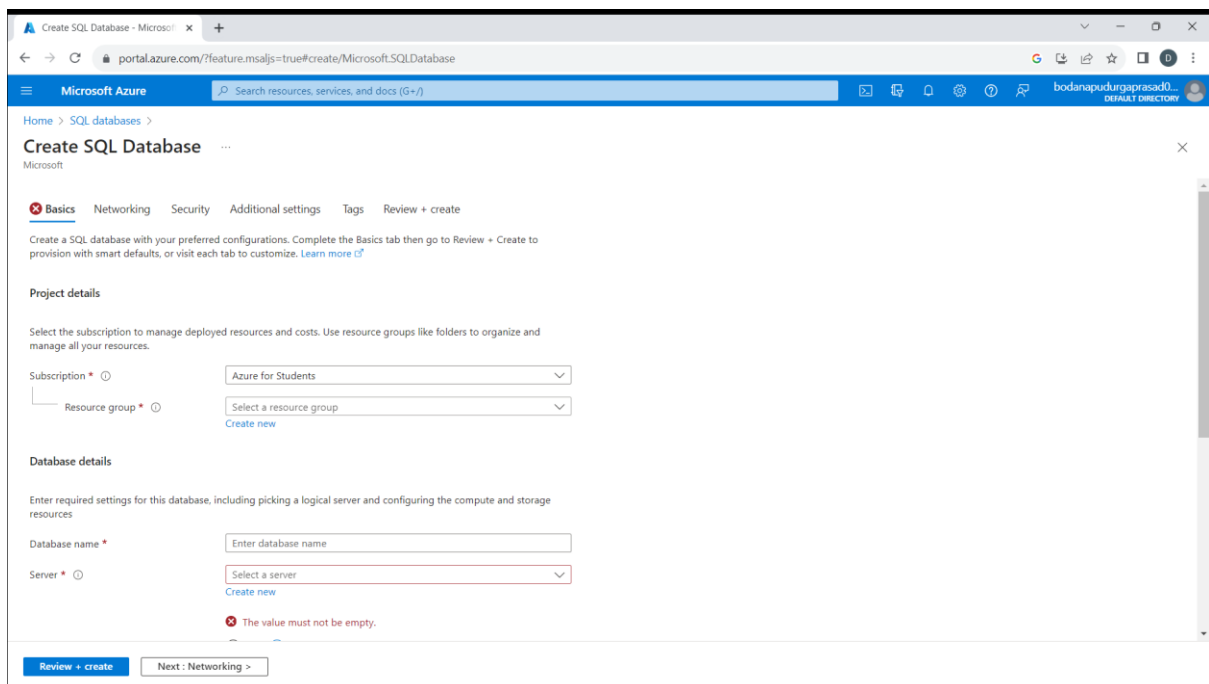
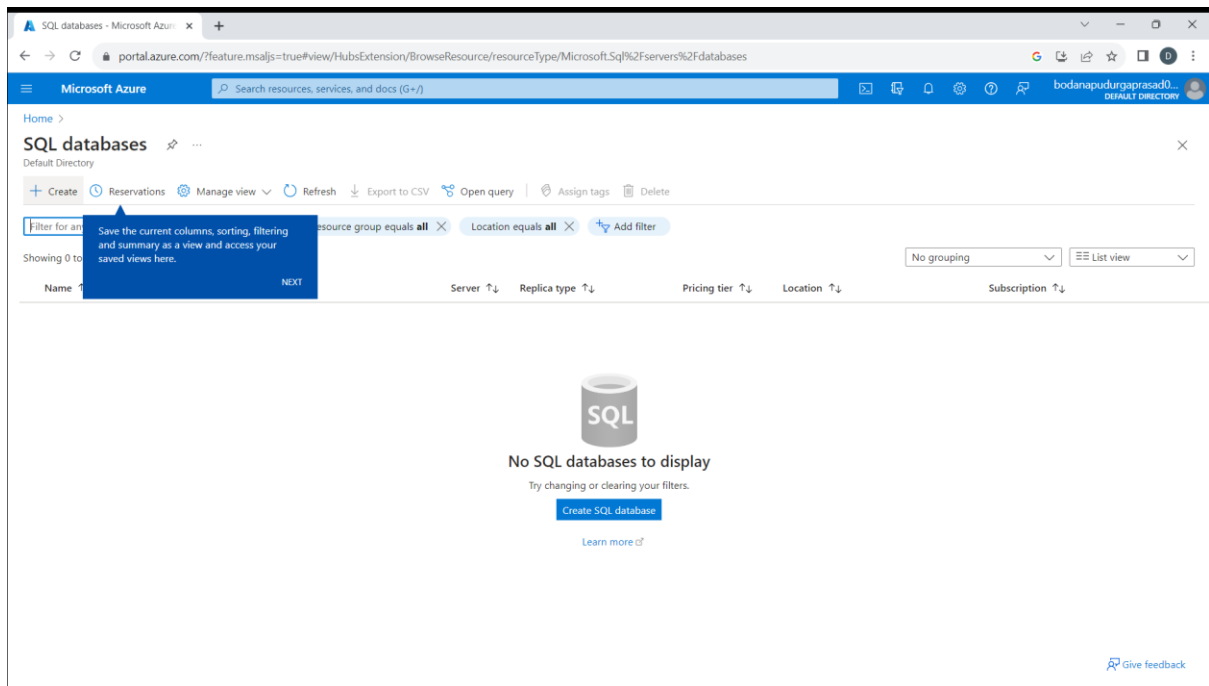


Experiment-20

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)



Create SQL Database - Microsoft

portal.azure.com/?feature.msals=true#create/Microsoft.SQLDatabase

Microsoft Azure

Home > SQL databases >

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Database details

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

Database name *

Server * [Create new](#)

Want to use SQL elastic pool? ☐ Yes ☒ No

Workload environment ☒ Development ☐ Production

Default settings provided for Development workloads. Configurations can be modified as needed.

Compute + storage * **General Purpose - Serverless**
Standard-series (Gen5), 1 vCore, 32 GB storage, zone redundant disabled
[Configure database](#)

Backup storage redundancy

Choose how your PITR and LTR backups are replicated. Geo restore or ability to recover from regional outage is only available when geo-redundant storage is selected.

[Review + create](#) [Next: Networking >](#)

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

Create SQL Database - Microsoft

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Microsoft Azure

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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 'luffyzoro' and all databases it manages. [Learn more](#)

Network connectivity

Choose an option for configuring connectivity to your server via public endpoint or private endpoint. Choosing no access creates with defaults and you can configure connection method after server creation. [Learn more](#)

Connectivity method * ☒ No access ☐ Public endpoint ☐ Private endpoint

Connection policy

Configure how clients communicate with your SQL database server. [Learn more](#)

Connection policy ☒ Default - Uses Redirect policy for all client connections originating inside of Azure (except Private Endpoint connections) and Proxy for all client connections originating outside Azure ☐ Proxy - All connections are proxied via the Azure SQL Database gateways ☐ Redirect - Clients establish connections directly to the node hosting the database

Encrypted connections

[Review + create](#) [< Previous](#) [Next: Security >](#)

SQL

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	428.31 INR
COMPUTE COST / VCORE SECOND¹	0.012520 INR

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

Create SQL Database - Microsoft

portal.azure.com/?feature.msals=true#create/Microsoft.SQLDatabase

Microsoft Azure

Search resources, services, and docs (G+)

Home > SQL databases >

Create SQL Database

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Additional settings

Tags

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Microsoft Defender for SQL

Protect your data using Microsoft Defender for SQL, a unified security package including vulnerability assessment and advanced threat protection for your server. [Learn more](#)

Get started with a 30 day free trial period, and then 1178.0175 INR/server/month.

Enable Microsoft Defender for SQL *

☐ Start free trial
 ☒ Not now

Ledger

Ledger cryptographically verifies the integrity of your data and detects any tampering that might have occurred. [Learn more](#)

Ledger

Not configured

[Configure ledger](#)

Server identity

Use system assigned and user assigned managed identities to enable central access management between this database and other Azure resources. [Learn more](#)

Server identity

Not enabled

[Configure identities](#)

Review + create

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SQL

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NOTES

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Create SQL Database - Microsoft

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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 DB instances offline for a short time to apply the maintenance updates. If the database is part of elastic pool, the maintenance configuration of elastic pool will be applied. [Learn more](#)

Maintenance window

System default (5pm to 8am)

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SQL

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COMPUTE COST / VCORE SECOND¹	0.012520 INR

NOTES

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Durga Prasad-192210417

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Create SQL Database - Microsoft

portal.azure.com/?feature.msalsjs=true#create/Microsoft.SQLDatabase

Microsoft Azure

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Tags

Review + create

Tags are name/value pairs that enable you to categorize and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name	Value	Resource
Isn	28	2 selected
	28	2 selected

SQL

Cost summary

General Purpose (GP_S_Gen5_1)	
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NOTES
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Product details

SQL database by Microsoft

Terms of use | Privacy policy

Estimated cost

Storage cost 428.31 INR / month + Compute cost 0.012520 INR / vCore second

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Basics

Subscription	Azure for Students
Resource group	prasad
Region	Central India
Database name	hinata
Server	(new) luffyzoro
Authentication method	Microsoft Entra-only authentication
Microsoft Entra Admin	Azure Advisor

SQL

Cost summary

General Purpose (GP_S_Gen5_1)	
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NOTES
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Create

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[Download a template for automation](#)

Microsoft Azure portal showing the deployment details for a Microsoft SQL Database. The deployment is in progress.

Deployment is in progress

Deployment name: Microsoft.SQLDatabase.newDatabaseNewServer_b5daa315fa33418fa1648
Subscription: Azure for Students
Resource group: prasad

Start time: 10/19/2023, 9:24:49 AM
Correlation ID: cbf26532-cc78-4377-94cf-d8ec298cf666

Deployment details

Resource	Type	Status	Operation details
luffyzero	SQL server	Accepted	Operation details

Give feedback
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Microsoft Azure portal showing the deployment details for a Microsoft SQL Database. The deployment is complete.

Your deployment is complete

Deployment name: Microsoft.SQLDatabase.newDatabaseNewServer_b5daa315fa33418fa1648
Subscription: Azure for Students
Resource group: prasad

Start time: 10/19/2023, 9:24:49 AM
Correlation ID: cbf26532-cc78-4377-94cf-d8ec298cf666

Next steps
[Go to resource](#)

Give feedback
[Tell us about your experience with deployment](#)

Deployment succeeded
Deployment
"Microsoft.SQLDatabase.newDatabaseNewServer_b5daa315fa33418fa1648" to resource group "prasad" was successful.
[Go to resource](#) [Pin to dashboard](#)

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