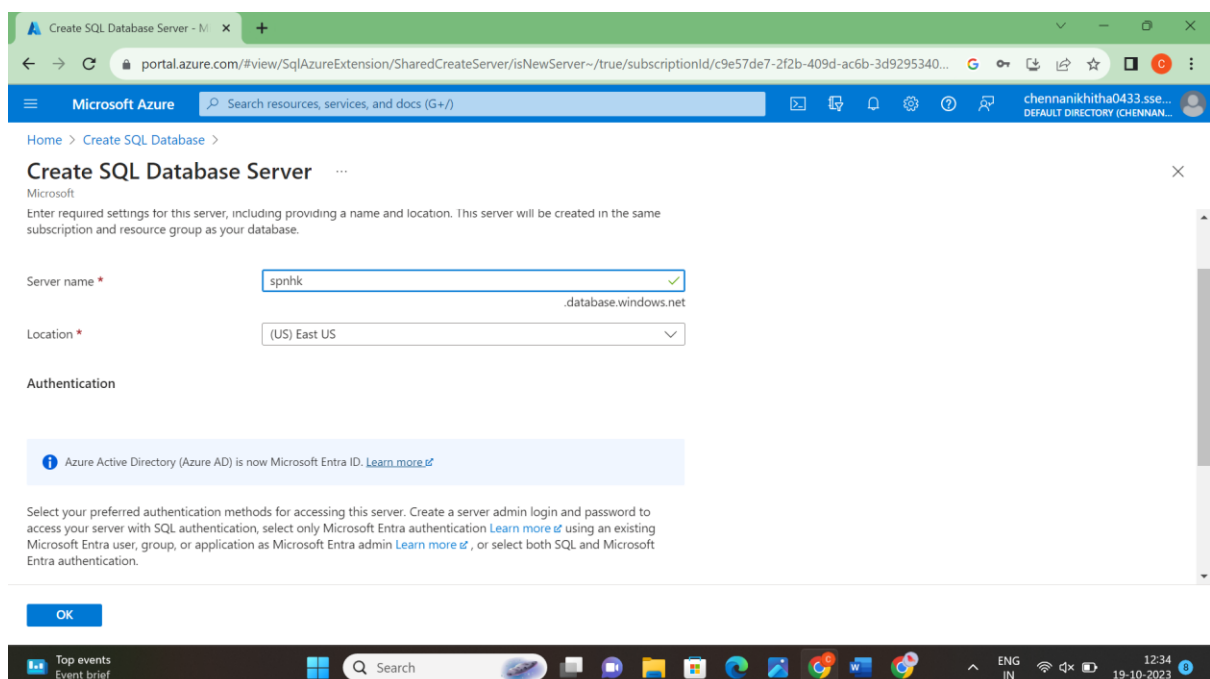
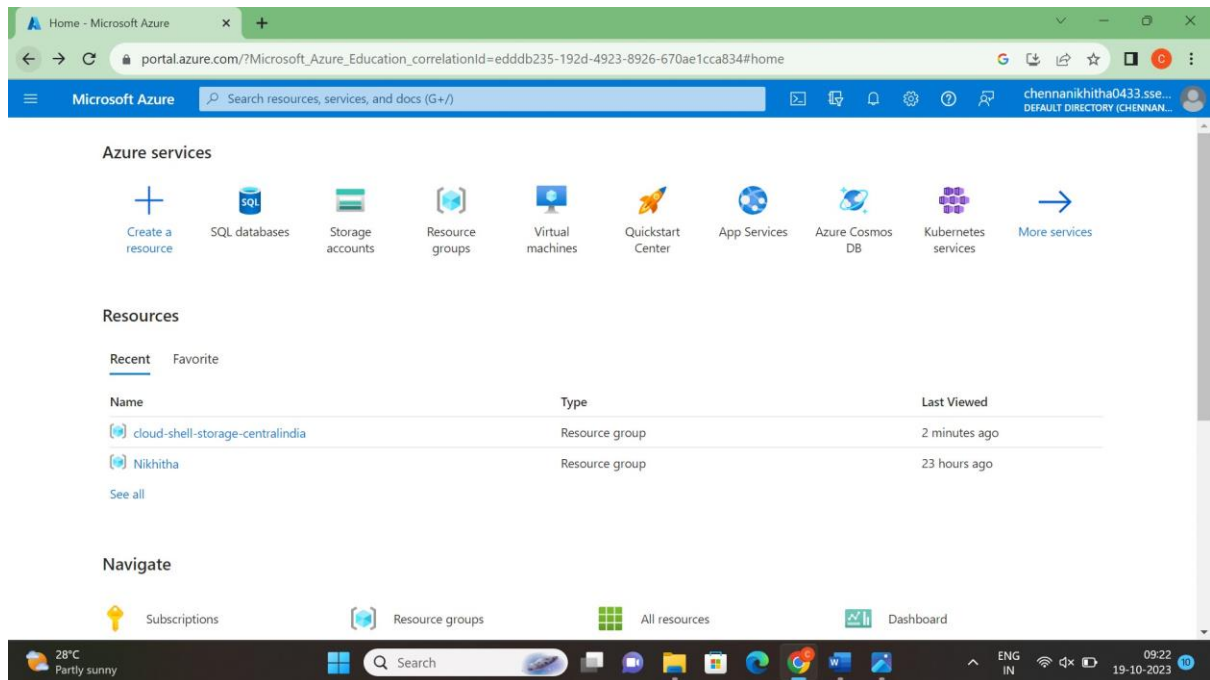


Experiment-20

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)



SQL databases - Microsoft Azure

portal.azure.com/?Microsoft_Azure_Education_correlationId=edddb235-192d-4923-8926-670ae1cca834#view/HubsExtension/BrowseResource/...

Microsoft Azure Search resources, services, and docs (G+)

Home >

SQL databases

Default Directory (chennanikhitha0433sseaveet.onmicrosoft.com)


+ Create Reservations 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 0 to 0 of 0 records.

No grouping List view

Name Server Replica type Pricing tier Location Subscription



No SQL databases to display

Try changing or clearing your filters.

Create SQL database

Give feedback

28°C Partly sunny Search 09:23 19-10-2023

Create SQL Database Server - Microsoft Azure

portal.azure.com/?Microsoft_Azure_Education_correlationId=edddb235-192d-4923-8926-670ae1cca834#view/SqlAzureExtension/SharedC...

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Home > SQL databases > Create SQL Database >

Create SQL Database Server

Microsoft

Azure Active Directory (Azure AD) is now Microsoft Entra ID. [Learn more](#)

Select your preferred authentication methods for accessing this server. Create a server admin login and password to access your server with SQL authentication, select only Microsoft Entra authentication [Learn more](#) using an existing Microsoft Entra user, group, or application as Microsoft Entra admin [Learn more](#), or select both SQL and Microsoft Entra authentication.

Authentication method

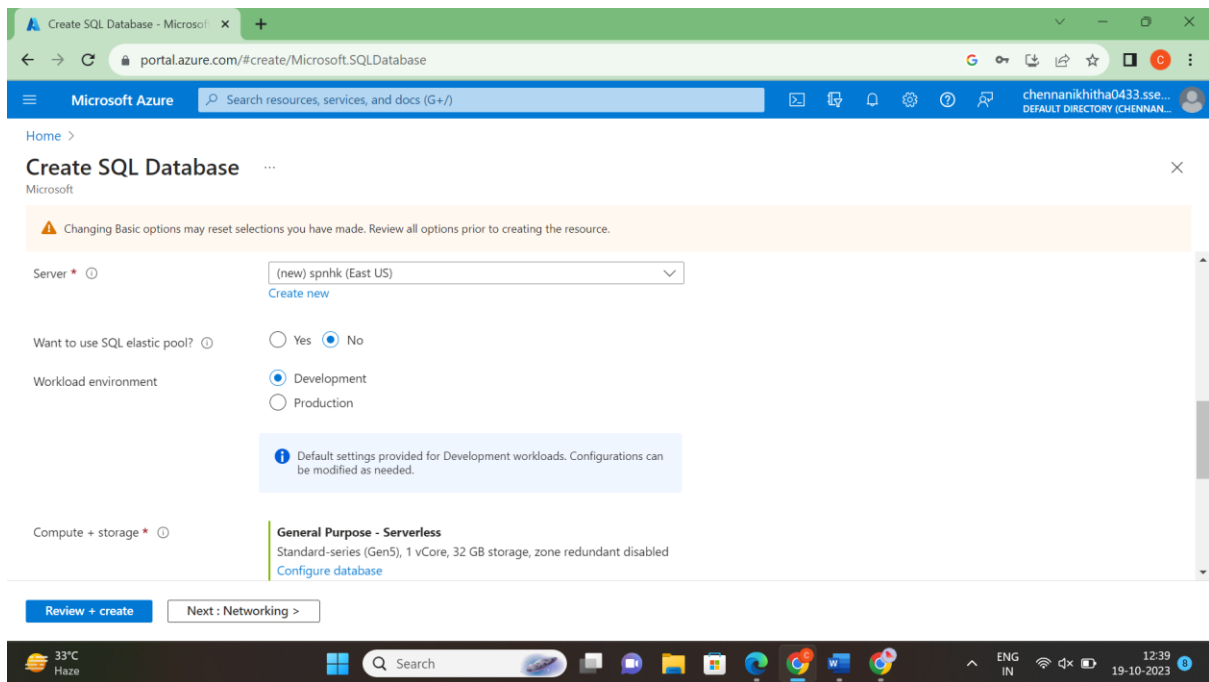
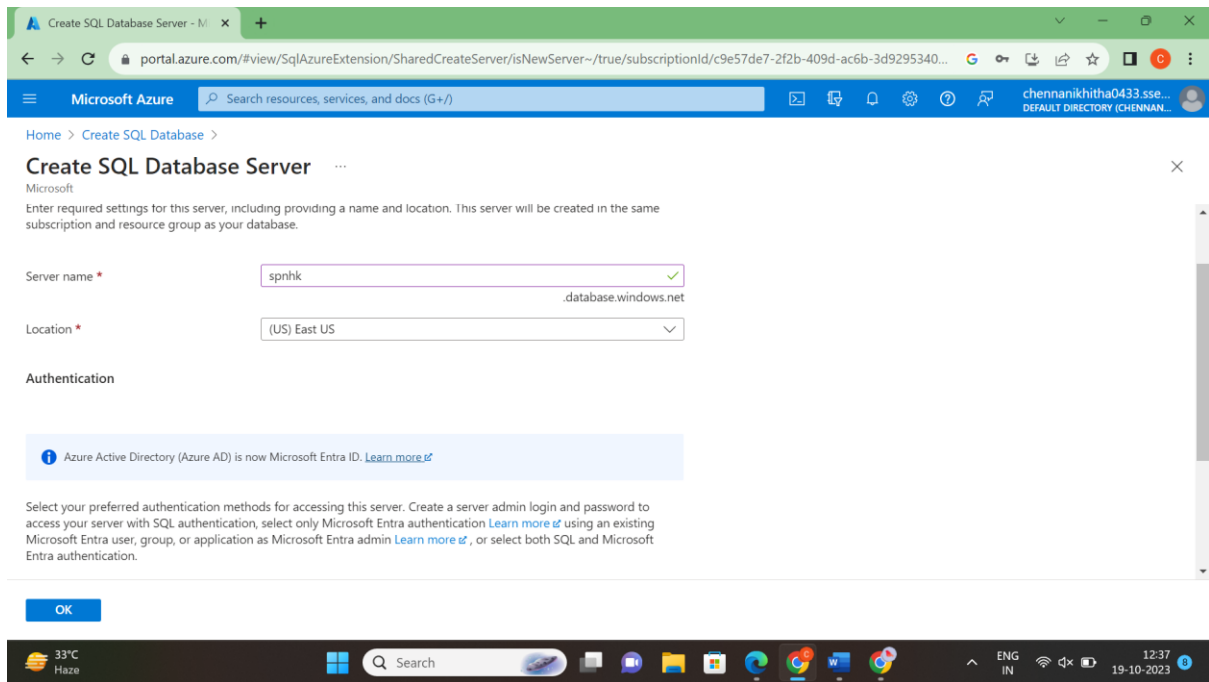
- ☒ Use Microsoft Entra-only authentication
- ☐ Use both SQL and Microsoft Entra authentication
- ☐ Use SQL authentication

Set Microsoft Entra admin

Azure Advisor
Admin Object/App ID: c39c9bac-9d1f-4dfb-aa29-27f6365e5cb7
[Set admin](#)

OK

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Create SQL Database - Microsoft | portal.azure.com/#create/Microsoft.SQLDatabase

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Create SQL Database

Microsoft

⚠ Changing Basic options may reset selections you have made. Review all options prior to creating the resource.

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.

Backup storage redundancy ⓘ

- ☐ Locally-redundant backup storage
- ☐ Zone-redundant backup storage
- ☒ Geo-redundant backup storage

⚠ Selected value for backup storage redundancy is Geo-redundant backup

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

33°C Haze Search ENG IN 12:40 19-10-2023

Create SQL Database - Microsoft | portal.azure.com/#create/Microsoft.SQLDatabase

Microsoft Azure Search resources, services, and docs (G+)

Create SQL Database

Microsoft

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

This server supports encrypted connections using Transport Layer Security (TLS). For information on TLS version and certificates, refer to connection with TLS (SSL). [Learn more](#)

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

Cost summary

General Purpose (GP_S_Gen5_1)	
Cost per GB (in INR)	9.03
Max storage selected (in GB)	x 41.6
ESTIMATED STORAGE COST / MONTH	375.71 INR
COMPUTE COST / VCORE SECOND ¹	0.011382 INR

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

33°C Haze Search ENG IN 12:40 19-10-2023

Create SQL Database - Microsoft | x +

portal.azure.com/#create/Microsoft.SQLDatabase

Microsoft Azure Search resources, services, and docs (G+/)

Home >

Create SQL Database

Microsoft

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](#)

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

Cost summary

General Purpose (GP_S_Gen5_1)

Cost per GB (in INR) 9.03

Max storage selected (in GB) x 41.6

ESTIMATED STORAGE COST / MONTH 375.71 INR

COMPUTE COST / VCORE SECOND ¹ 0.011382 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 | x +

portal.azure.com/#create/Microsoft.SQLDatabase

Microsoft Azure Search resources, services, and docs (G+/)

Home >

Create SQL Database

Microsoft

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 * [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

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

Cost summary

General Purpose (GP_S_Gen5_1)

Cost per GB (in INR) 9.03

Max storage selected (in GB) x 41.6

ESTIMATED STORAGE COST / MONTH 375.71 INR

COMPUTE COST / VCORE SECOND ¹ 0.011382 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 | x +

portal.azure.com/#create/Microsoft.SQLDatabase

Microsoft Azure Search resources, services, and docs (G+/)

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Create SQL Database


Microsoft

Basics Networking Security Additional settings **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
sdf	34	2 selected
		2 selected



Cost summary

General Purpose (GP_S_Gen5_1)

Cost per GB (in INR) 9.03

Max storage selected (in GB) x 41.6

ESTIMATED STORAGE COST / MONTH 375.71 INR

COMPUTE COST / VCORE SECOND 0.011382 INR

NOTES

Review + create < Previous Next : Review + create >

33°C Haze Search ENG IN 12:42 19-10-2023

Create SQL Database - Microsoft | x +

portal.azure.com/#create/Microsoft.SQLDatabase

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Home >

Create SQL Database

Microsoft

Product details

SQL database by Microsoft

[Terms of use](#) | [Privacy policy](#)

Estimated cost

Storage cost 375.71 INR / month + Compute cost 0.011382 INR / vCore second


Terms

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. For additional details see [Azure Marketplace Terms](#).

Basics

Subscription Azure for Students

Create < Previous [Download a template for automation](#)



Cost summary

General Purpose (GP_S_Gen5_1)

Cost per GB (in INR) 9.03

Max storage selected (in GB) x 41.6

ESTIMATED STORAGE COST / MONTH 375.71 INR

COMPUTE COST / VCORE SECOND 0.011382 INR

NOTES

¹ 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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Create SQL Database - Microsoft | x +

portal.azure.com/#create/Microsoft.SQLDatabase

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Create SQL Database

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Basics

Subscription	Azure for Students
Resource group	Harshi
Region	East US
Database name	kgf
Server	(new) spnhk
Authentication method	Microsoft Entra-only authentication
Microsoft Entra Admin	AzNet Security Guard
Compute + storage	General Purpose - Serverless: Standard-series (Gen5), 1 vCore, 32 GB storage, zone redundant disabled
Backup storage redundancy	Geo-redundant backup storage

COMPUTE COST / VCORE SECOND 0.011382 INR

NOTES

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

Networking

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33°C Haze Search ENG IN 12:43 19-10-2023

Microsoft.SQLDatabase.newDatabaseNewServer_2ad65950e4e64f76943e3 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Deployment is in progress

Deployment name : Microsoft.SQLDatabase.newDatabaseNewServer_2ad65950e4e64f76943e3 Start time : 10/19/2023, 12:43:18 PM
Subscription : Azure for Students Correlation ID : e7dda190-8ba6-4797-986e-73...
Resource group : Harshi

Deployment details

Resource	Type	Status	Operator
spnhk	SQL server	Accepted	Operation

Give feedback

Tell us about your experience with deployment

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Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.
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Microsoft SQL Database.newDatabaseNewServer_2ad65950e4e64f76943e3 | Overview

Deployment

Search

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name : Microsoft.SQLDatabase.newDatabaseNewServer_2ad65950e4e64f76943e3 Start time : 10/19/2023, 12:43:18 PM
Subscription : Azure for Students Correlation ID : e7dda190-8ba6-4797-986e-73...
Resource group : Harshi

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

Cost management

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Set up cost alerts >

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Search

12:45 19-10-2023

kgf (spnhk/kgf) - Microsoft Azure

portal.azure.com/#@chennanikhitha0433ssesaveet.onmicrosoft.com/resource/subscriptions/c9e57de7-2f2b-409d-ac6b-3d9295340d63/re...

Microsoft Azure

Search resources, services, and docs (G+)

chennanikhitha0433.sse... DEFAULT DIRECTORY (CHENNAN...)

Home > Microsoft.SQLDatabase.newDatabaseNewServer_2ad65950e4e64f76943e3 | Overview >

kgf (spnhk/kgf)

SQL database

Search

Copy

Restore

Export

Set server firewall

Delete

Connect with...

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Diagnose and solve problems

Query editor (preview)

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Replicas

Sync to other databases

Essentials

Resource group (move)

Harshi

Status

Online

Location

East US

Subscription (move)

Azure for Students

Subscription ID

c9e57de7-2f2b-409d-ac6b-3d9295340d63

Tags (edit)

sdf : 34

Server name

spnhk.database.windows.net

Connection strings

Show database connection strings

Pricing tier

General Purpose - Serverless: Gen5, 1 vCore

Auto-pause delay

1 hour

Earliest restore point

No restore point available

JSON View

Getting started

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33°C Haze

Search

12:46 19-10-2023

