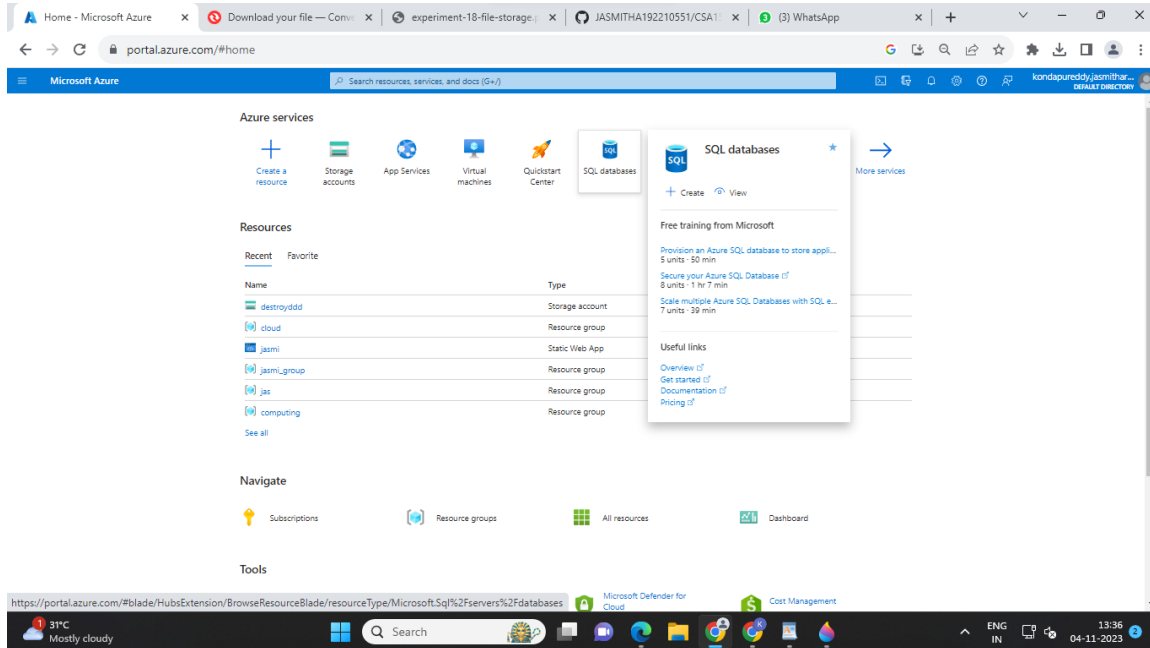


Experiment 19

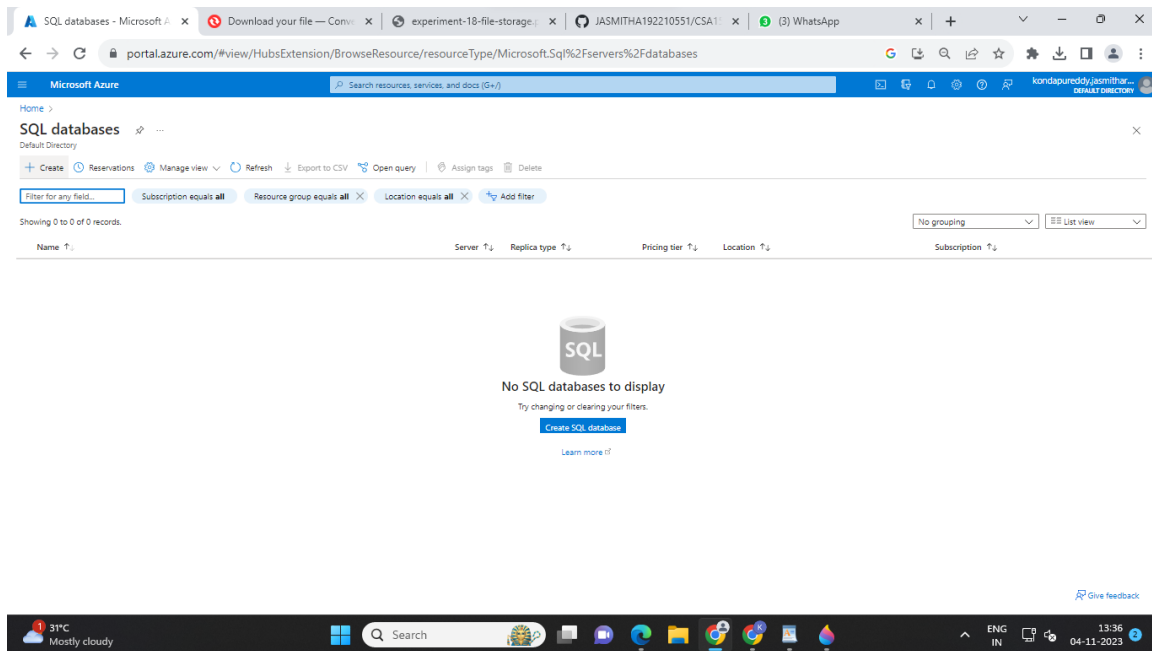
Database as a Service (DaaS) create and configure a new VM Image in any Public Cloud

Service Provider

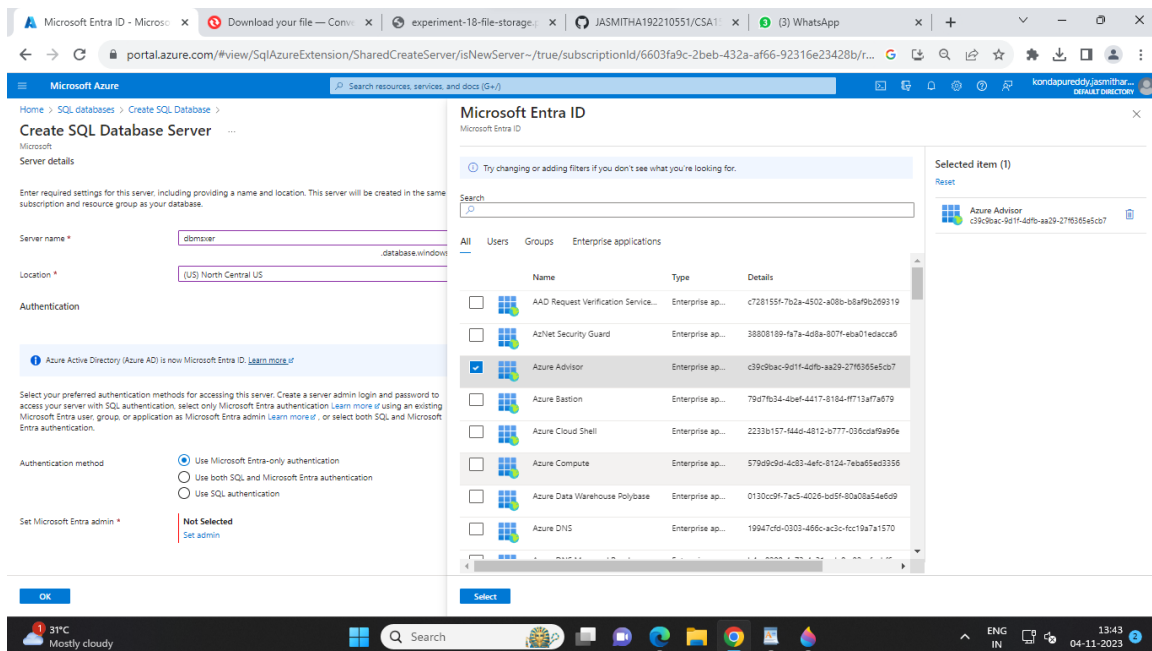
step 1: select sql database



step 2 : create



step 3 : enter server name and select admin and choose anything and click ok



step 4 : next networking select public endpoint

Create SQL Database - Microsoft Azure portal

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

Microsoft Azure

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's dbmover 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

Firewall rules

Setting: Allow Azure services and resources to access this server to Yes allows communications from all resources inside the Azure boundary, that may or may not be part of your subscription. [Learn more](#)

Setting: Add current client IP address to Yes will add an entry for your client IP address to the server firewall.

Allow Azure services and resources to access this server *

Add current client IP address *

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

31°C Mostly cloudy

Search

ENG IN 13:44 04-11-2023

SQL

Cost summary

| | |
|--------------------------------|--------------|
| General Purpose (GP S Gen5 1) | 9.03 |
| Cost per GB (in INR) | |
| Max storage selected (in GB) | x 41.6 |
| ESTIMATED STORAGE COST / MONTH | 375.71 INR |
| COMPUTE COST / VCORE SECOND | 0.011362 INR |

NOTES

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

step 5 : go to default security

Create SQL Database - Microsoft Azure portal

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

Microsoft Azure

Home > SQL databases >

Create SQL Database

Microsoft

Basics Networking Security Additional settings Tags Review - create

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](#)

Transparent data encryption key management

31°C Mostly cloudy

Search

ENG IN 13:46 04-11-2023

SQL

Cost summary

| | |
|--------------------------------|--------------|
| General Purpose (GP S Gen5 1) | 9.03 |
| Cost per GB (in INR) | |
| Max storage selected (in GB) | x 41.6 |
| ESTIMATED STORAGE COST / MONTH | 375.71 INR |
| COMPUTE COST / VCORE SECOND | 0.011362 INR |

NOTES

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

step 6 : add tags

Microsoft Azure portal showing the "Create SQL Database" wizard. The "Tags" tab is active, displaying a table for adding tags:

| Name | Value | Resource |
|------|-------|---------------|
| abc | 10 | All resources |
| def | 23 | All resources |
| ghi | 78 | 2 selected |
| | 789 | 2 selected |
| | 89 | |

Cost summary:

| General Purpose (GP 5 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 |

Buttons: Review + create, < Previous, Next: Review + create >

step 7 :overview and click create

Microsoft Azure portal showing the "Create SQL Database" wizard. The "Review + create" tab is active, displaying the "Product details" and "Estimated cost" section.

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 (x) 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. (f)

Basics:

| | |
|-----------------------|---|
| Subscription | Azure for Students |
| Resource group | cloud |
| Region | North Central US |
| Database name | database |
| Server | (new) dbmsvsvr |
| Authentication method | Microsoft Entra-only authentication |
| Microsoft Entra Admin | Azure Advisor |
| Compute + storage | General Purpose - Serverless: Standard-series (Gen5), 1 vCore, 32 GB storage, zone redundant disabled |

Buttons: Create, < Previous, Download a template for automation

step 8 : deployment and go for resource

