

EX. NO: 6

DATE:

PUBLIC CLOUD

CREATING AN INSTANCE IN MICROSOFT AZURE

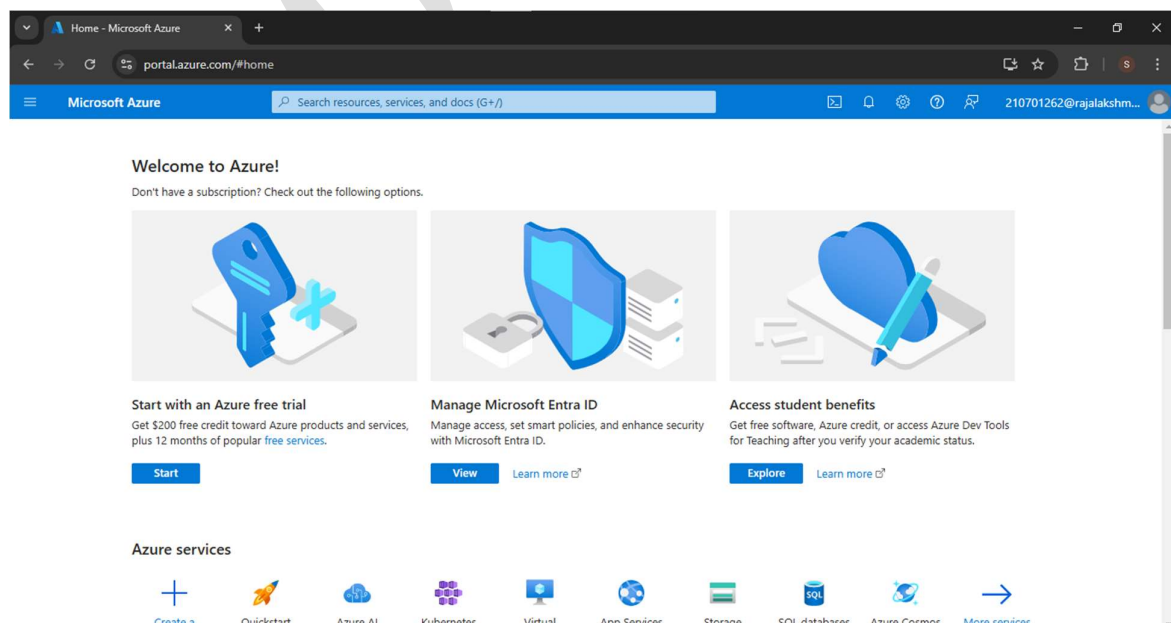
AIM:

Develop a simple application to understand the concept of PAAS using Microsoft Azure

PROCEDURE:

1. Sign in to the Azure portal
2. Select Azure SQL on the left menu of the Azure portal.
3. Select +Add to open the Select SQL deployment option page.
4. Select Create.

OUTPUT:



Home - Microsoft Azure

portal.azure.com/#home

Search resources, services, and docs (G+)

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Create a resource

Home

Dashboard

All services

FAVORITES

All resources

Resource groups

App Services

Function App

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Microsoft Entra ID

Monitor

Advisor

Welcome to Azure!

SQL databases

+ Create View

Description

Utilize a fully managed relational database service, perfect for accelerating application development and simplifying management tasks.

Free training from Microsoft

Provision an Azure SQL database to store a...

5 units - 50 min

Secure your Azure SQL Database

8 units - 1 hr 7 min

Scale multiple Azure SQL Databases with SQ...

7 units - 39 min

Useful links

Overview

Get started

Documentation

Microsoft Entra ID

Access, set smart policies, and enhance security with Microsoft Entra ID.

Learn more

Access student benefits

Get free software, Azure credit, or access Azure Dev Tools for Teaching after you verify your academic status.

Explore

Learn more

App Services

Storage

SQL databases

Azure Cosmos

More services

https://portal.azure.com/#blade/HubsExtension/BrowseResourceBlade/resourceType/Microsoft.Sql%2Fservers%2Fdatabases

Free services - Microsoft Azure

portal.azure.com/#view/Microsoft_Azure_Billing/FreeServicesBlade

Microsoft Azure

Search resources, services, and docs (G+)

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Dashboard

Free services

Create

Azure Files

STORAGE

100GB

of LRS transaction optimized, k hot, and cool files. 2 million read, list, and other file operations

Migrate to simple, distributed, cross-platform file storage without changing code. [Learn more](#)

Create

Create

Key Vault

SECURITY

10,000 transactions

RSA 2048-bit keys or secret operations, Standard tier.

Safeguard and maintain control of keys and other secrets. [Learn more](#)

Create

Create

Azure Media Services Encod...

MEDIA

20 output minutes

Standard encoder video or audio source file encoding.

Index, package, protect, and stream video and audio at scale. [Learn more](#)

Create

Create

Azure Database for MySQL

DATABASES

750 hours

of Flexible Server—Burstable B1MS Instance, 32 GB storage, and 32 GB backup storage

Host a fully managed, scalable MySQL database in Azure. [Learn more](#)

Create

Create

Azure Database for PostgreSQL

DATABASES

750 hours

Create

Azure Cosmos DB

DATABASES

400 RU/s provisioned throughput

Create

Bandwidth (Data Transfer)

NETWORKING

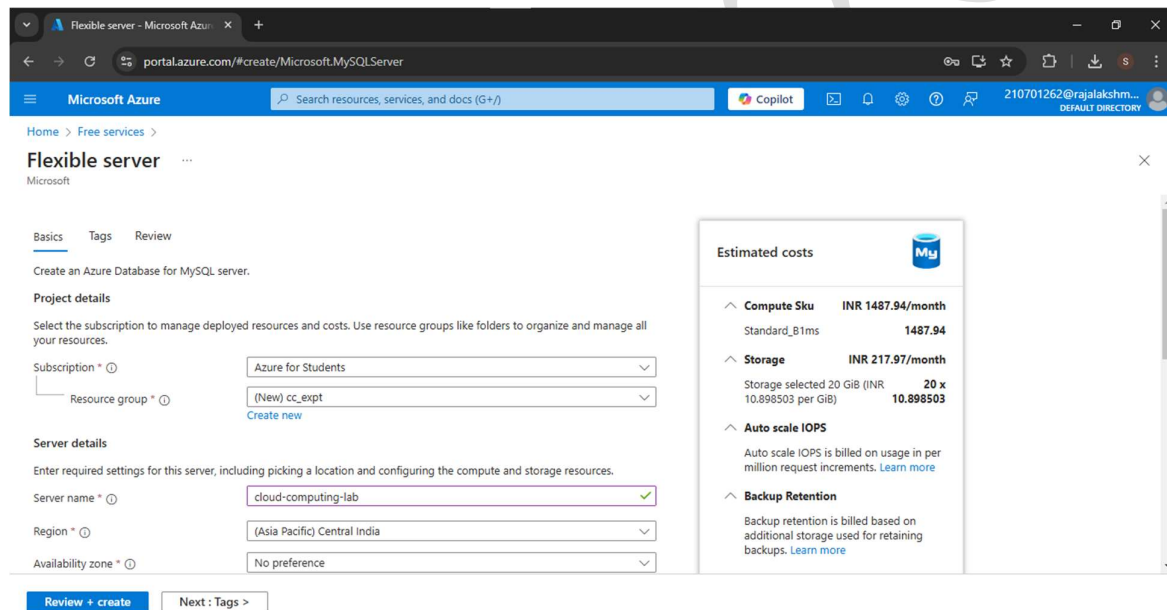
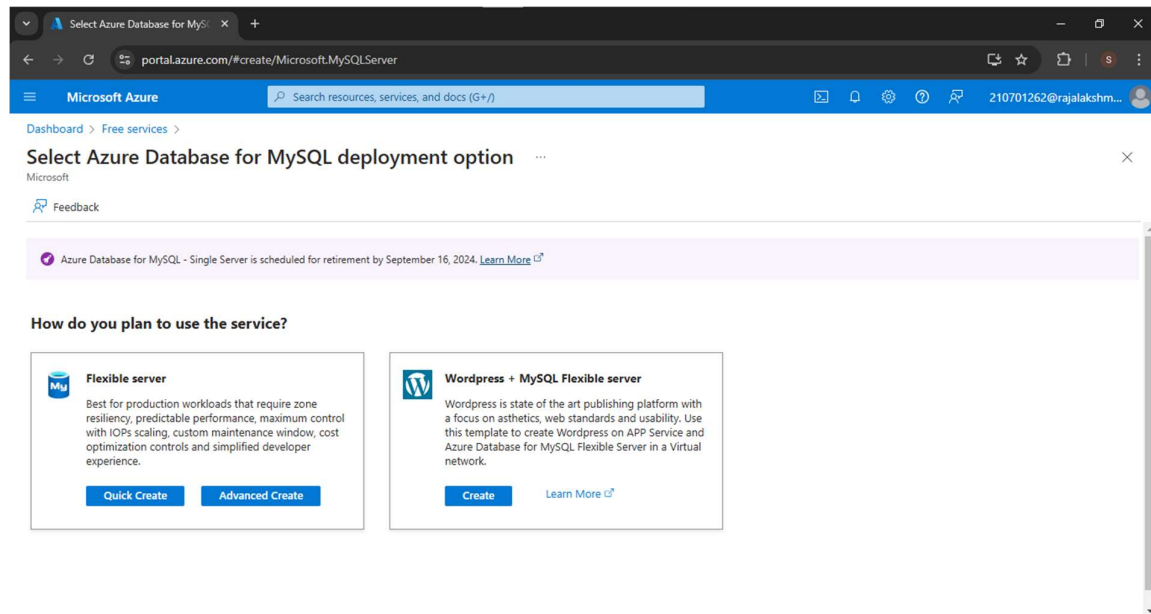
15 GB

Create

AI Vision

AI + MACHINE LEARNING

5,000



Flexible server - Microsoft Azure

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

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

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DEFAULT DIRECTORY

Home > Free services >

Flexible server

Microsoft

Server details

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

Server name *

cloud-computing-lab

Region *

(Asia Pacific) Central India

Availability zone *

No preference

Authentication

Admin username *

mysqladmin

Password *

Confirm password *

Workload details (Compare workload type)

Workload type *

Dev/Test

Standard

Enterprise

Choose one of these workload types to quickly configure the server based on your needs. You can modify the configuration after creation.

Review + create

Next: Tags >

Auto scale IOPS is billed on usage in per million request increments. [Learn more](#)

Backup Retention

Backup retention is billed based on additional storage used for retaining backups. [Learn more](#)

Bandwidth

For outbound data transfer across services in different regions will incur additional charges. Any inbound data transfer is free. [Learn more](#)

Estimated total

INR 1705.91/month

Prices reflects an estimates only. [View Azure pricing calculator](#). Final charges will appear in your local currency in cost analysis and billing views.

Flexible server - Microsoft Azure

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

Microsoft Azure

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Flexible server

Microsoft

Server name cannot be changed after server is created. Review these options carefully before provisioning.

Basics

Tags

Review

Creation time

Estimated Server Creation Time (in minutes) 5

Product details

Azure Database for MySQL by Microsoft

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

Basics

Subscription

Azure for Students

Resource group

cc_expt

Server name

cloud-computing-lab

Server admin login name

mysqladmin

Location

Central India

Availability zone

No preference

High availability

Disabled

MySQL version

8.0

Workload type

Dev/Test

Compute + storage

Burstable, 81ms, 1 vCores, 2 GiB RAM, 20 GiB storage, Auto scale IOPS

Estimated costs

Compute Sku

INR 1487.94/month

Standard, 81ms

1487.94

Storage

INR 217.97/month

Storage selected 20 GiB (INR 10.898503 per GiB)

20 x 10.898503

10.898503

Auto scale IOPS

Auto scale IOPS is billed on usage in per million request increments. [Learn more](#)

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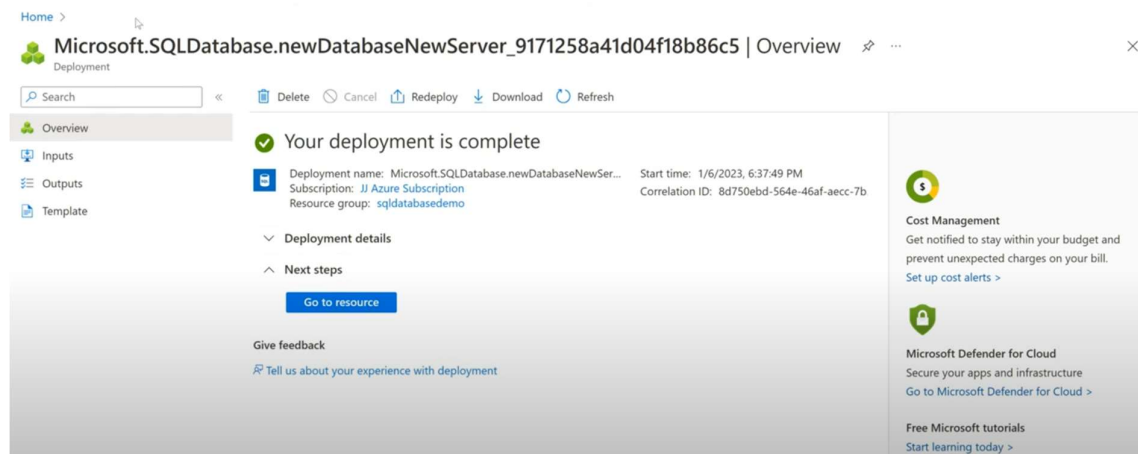
Bandwidth

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Create

< Previous: Tags

[Download a template for automation](#)



RESULT:

Thus a simple application to understand the concept of PAAS using Microsoft Azure is developed.