

EX. NO: 6

PUBLIC CLOUD

CREATING AN INSTANCE IN MICROSOFT AZURE

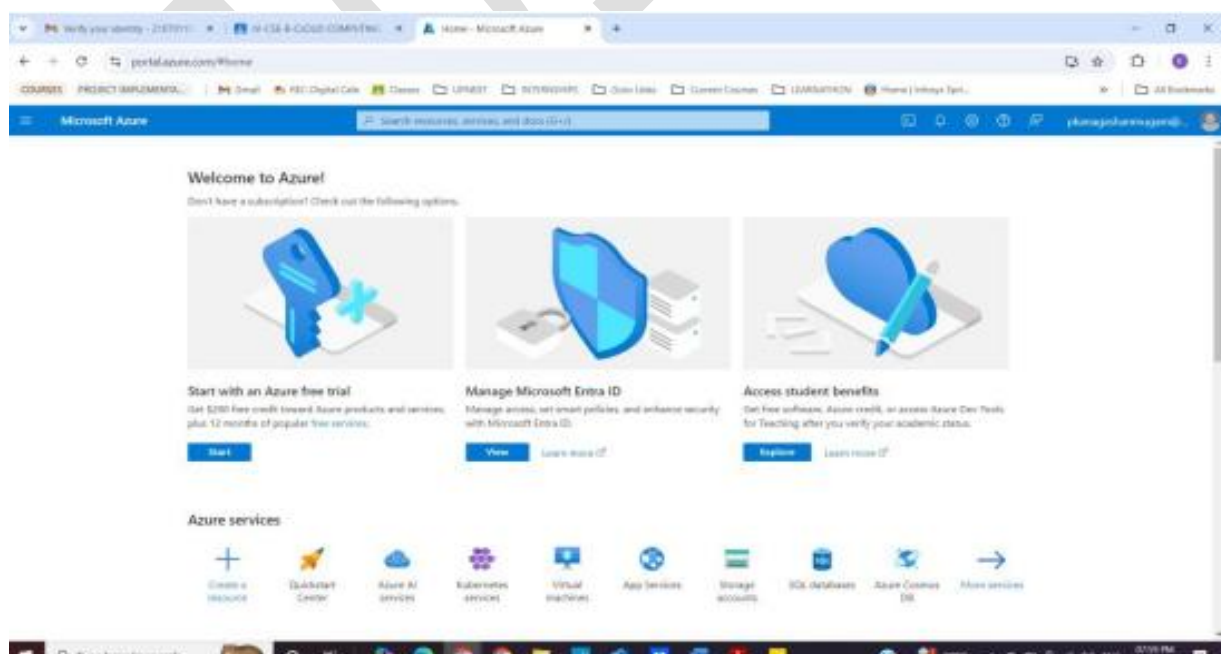
AIM:

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:



The screenshot shows the Microsoft Azure portal interface. At the top, there's a navigation bar with 'Home - Microsoft Azure' and a search bar. Below the navigation bar, the 'Free services' page is displayed, showing a grid of services with their free tier limits and 'Create' buttons. A 'SQL databases' modal is open, showing details for Azure SQL databases.

Free services grid:

Service	Free Tier Limit	Additional Info
Azure Files STORAGE	100GB	of LRS transaction optimized, 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
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
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
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
Azure Database for PostgreSQL DATABASES	750 hours	of Flexible Server—Burstable B1MS Instance, 32 GB storage, and 32 GB backup storage.
Azure Cosmos DB DATABASES	400 RU/s provisioned throughput	With 25 GB of storage
Bandwidth (Data Transfer) NETWORKING	15 GB	outbound
AI Vision AI + MACHINE LEARNING	5,000	transactions for each S1, S2, and S3 tier

SQL databases modal:

SQL databases

+ Create View

Description
 Azure SQL database is a fully managed relational database service, perfect for accelerating application development and simplifying management tasks.

Free training from Microsoft
 Provision an Azure SQL database for more a...
 5 units - 30 min
 Review your Azure SQL Database (D7)
 8 units - 1 hr 7 min
 Scale to multiple Azure SQL Databases with SQL...
 7 units - 19 min

Useful links
 Overview of...
 Get started with...

Manage Microsoft Entra ID
 Manage access, set smart policies, and enhance security with Microsoft Entra ID. [View](#) [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 >](#)

More services
 Kubernetes services Virtual machines App Services Storage accounts SQL databases Azure Cosmos DB

portal.azure.com/Windows/Microsoft/MySQLServer

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Microsoft Azure Search resources, services, and docs (0+)

Home > Free services >

Select Azure Database for MySQL deployment option

Microsoft

Feedback

Azure Database for MySQL - Single Server is scheduled for retirement by September 16, 2024. [Learn More](#)

How do you plan to use the service?

Flexible server

Best for production workloads that require more resilience, predictable performance, maximum control with IOPS scaling, custom maintenance windows, cost optimization controls and simplified developer experience.

[Quick Create](#) [Advanced Create](#)

Wordpress + MySQL Flexible server

Wordpress is state of the art publishing platform with a focus on semantics, web standards and usability. Use this template to create Wordpress on APM Service and Azure Database for MySQL Flexible Server in a Virtual network.

[Create](#) [Learn More](#)

portal.azure.com/7Microsoft_Azure_Education_correlationId=8acdb650-eb2b-413d-9db3-d97fb9559c4d&Microsoft_Azure_Education_newA4E=true&Microsoft_Azure_Education_asoSubG...

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Microsoft Azure Search resources, services, and docs (0+)

Copilot

pkaragashanmugam@... DEFAULT DIRECTORY

Flexible server

Microsoft

Basics Tags Review

Create an Azure Database for MySQL server.

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *

Resource group * [Create new](#)

Server details

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

Server name * ✓

Region * ✓

Availability zone * ✓

Authentication

Admin username * ✓

Estimated costs

Compute Sku INR 1487.94/month

Standard_B1ms **1487.94**

Storage INR 217.97/month

Storage selected 20 GiB (INR 10.898503 per GiB) **20 x 10.898503**

Auto scale IOPS

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...

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

Type here to search

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Flexible server

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

Server name: cloud-computing-experiment

Region: (Asia Pacific) South India

Availability zone: No preference

Authentication

Admin username: admin

Password: [REDACTED]

Confirm password: [REDACTED]

Workload details (Compare workload types)

Workload type: Dev/Test

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

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 sheet.

Estimated costs

Category	Configuration	Estimated Cost
Compute	Standard, 8 vCores	INR 1487.94/month
	Storage selected 20 GiB (INR 10.896503 per GiB)	INR 217.97/month
Auto scale IOPS	Auto scale IOPS is billed on usage in per million request increments. Learn more	INR 20 x 10.896503 = 217.97
	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	INR 1705.91/month
	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 sheet.

Basics

Subscription: Azure for Students

Resource group: cloud_computing_lab

Server name: cloud-computing-experiment

Server admin login name: admin

Location: South India

Availability zone: No preference

High availability: Disabled

MySQL version: 8.0

Workload type: Dev/Test

Compute + storage: Burstable, 8 vCores, 2 GiB RAM, 20 GiB storage, Auto scale IOPS

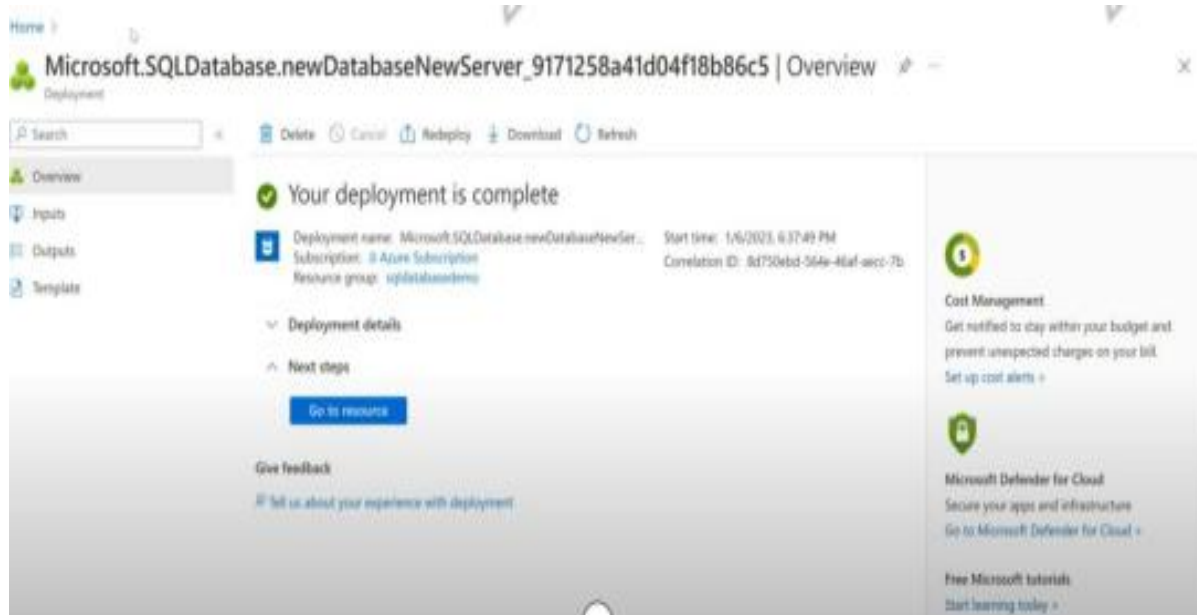
Backup redundancy: Locally redundant

Tags

Create

< Previous: Tags

Download a template for automation

**RESULT:**

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