

EX. NO: 6

DATE:

PUBLIC CLOUD

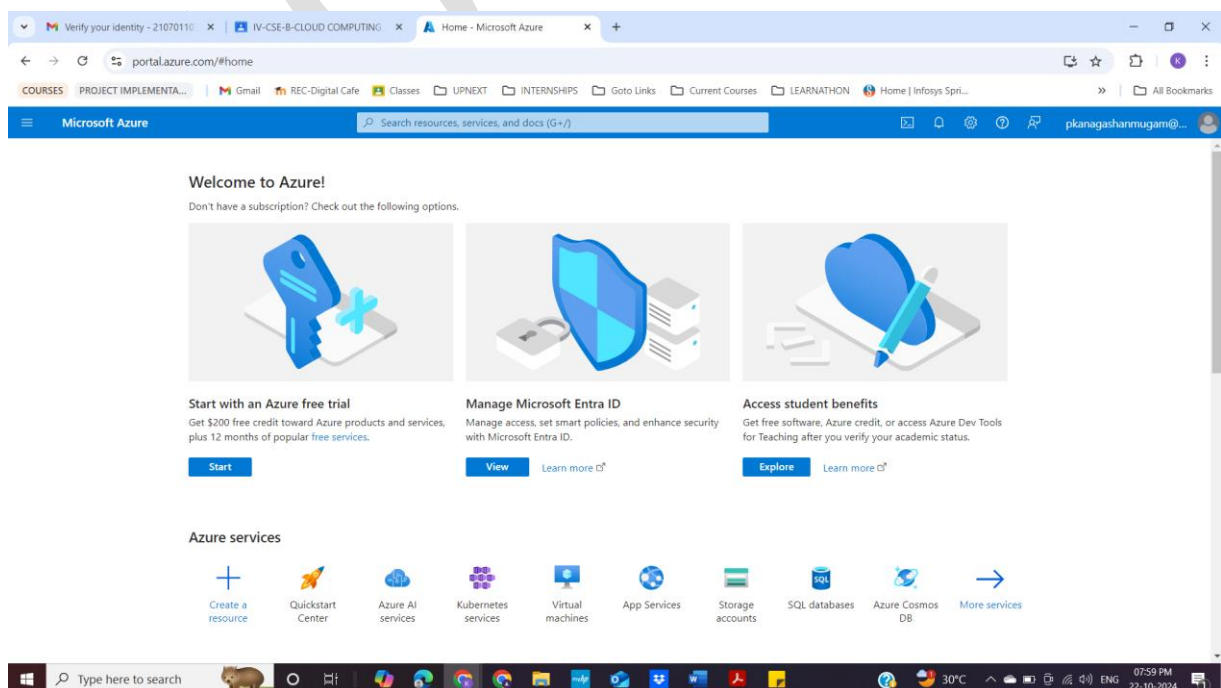
CREATING AN INSTANCE IN MICROSOFT AZURE

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:

portal.azure.com/#home

Don't have a subscription? Check out the following options.

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 [Get started](#)
 8 units - 1 hr 7 min
 Scale multiple Azure SQL Databases with SQL...
 7 units - 39 min

Useful links
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[Get started](#)
[Documentation](#)

Manage Microsoft Entra ID
 Manage access, set smart policies, and enhance security with Microsoft Entra ID.
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portal.azure.com/#view/Microsoft_Azure_Billing/FreeServicesBlade

Free services

[budget needs. Learn more](#) [Create](#)

[budget needs. Learn more](#) [Create](#)

[simplified management. Learn more](#) [Create](#)

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 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	Azure Media Services ENCODING 20 output minutes Standard encoder video or audio source file encoding. Index, package, protect, and stream video and audio at scale. Learn more 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
Azure Database for PostgreSQL DATABASES 750 hours of Flexible Server—Burstable B1MS Instance, 32 GB storage, and 32 GB backup storage Create	Azure Cosmos DB DATABASES 400 RU/s provisioned throughput With 25 GB of storage Create	Bandwidth (Data Transfer) NETWORKING 15 GB outbound Create	AI Vision AI + MACHINE LEARNING 5,000 transactions for each S1, S2, and S3 tier Create

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


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 zone resiliency, predictable performance, maximum control with IOPs scaling, custom maintenance window, 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 aesthetics, web standards and usability. Use this template to create Wordpress on APP Service and Azure Database for MySQL Flexible Server in a Virtual network.

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

The screenshot displays the Azure portal interface for configuring a 'Flexible server'. The top navigation bar includes the Azure logo, search bar, and user profile. The main content area is titled 'Flexible server' and includes a 'Project details' section with dropdowns for 'Subscription' (Azure for Students) and 'Resource group' ((New) cloud_computing_lab). Below this is the 'Server details' section with fields for 'Server name' (cloud-computing-experiment), 'Region' (Asia Pacific South India), and 'Availability zone' (No preference). The 'Authentication' section shows the 'Admin username' (admin). To the right, the 'Estimated costs' section provides a breakdown of charges for the 'Compute Sku' (Standard_B1ms) and 'Storage' (20 x 10.898503 per GiB). The 'Backup Retention' and 'Bandwidth' sections provide additional information about billing. At the bottom, the 'Review + create' button is prominently displayed.

Microsoft Azure

Flexible server

Microsoft

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 *

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.

☐ Add firewall rule for current IP address

High availability

Same zone and zone redundant high availability provide additional server resilience in the event of a failure.

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

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 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.

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 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

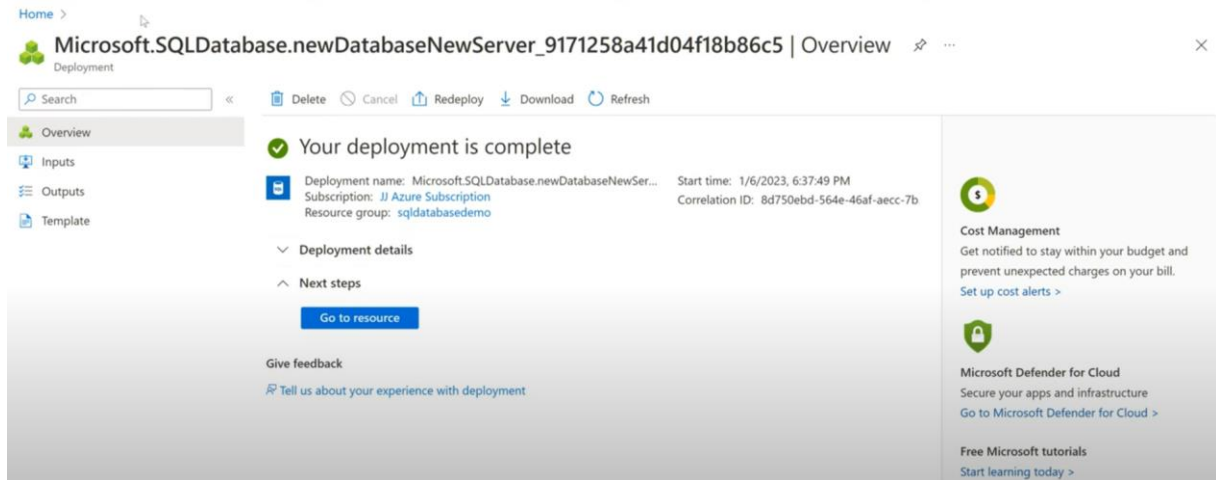
Workload type Dev/Test

Compute + storage Burstable, B1ms, 1 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.