

EX. NO: 6

DATE:

PUBLIC CLOUD

CREATING AN INSTANCE IN MICROSOFT AZURE

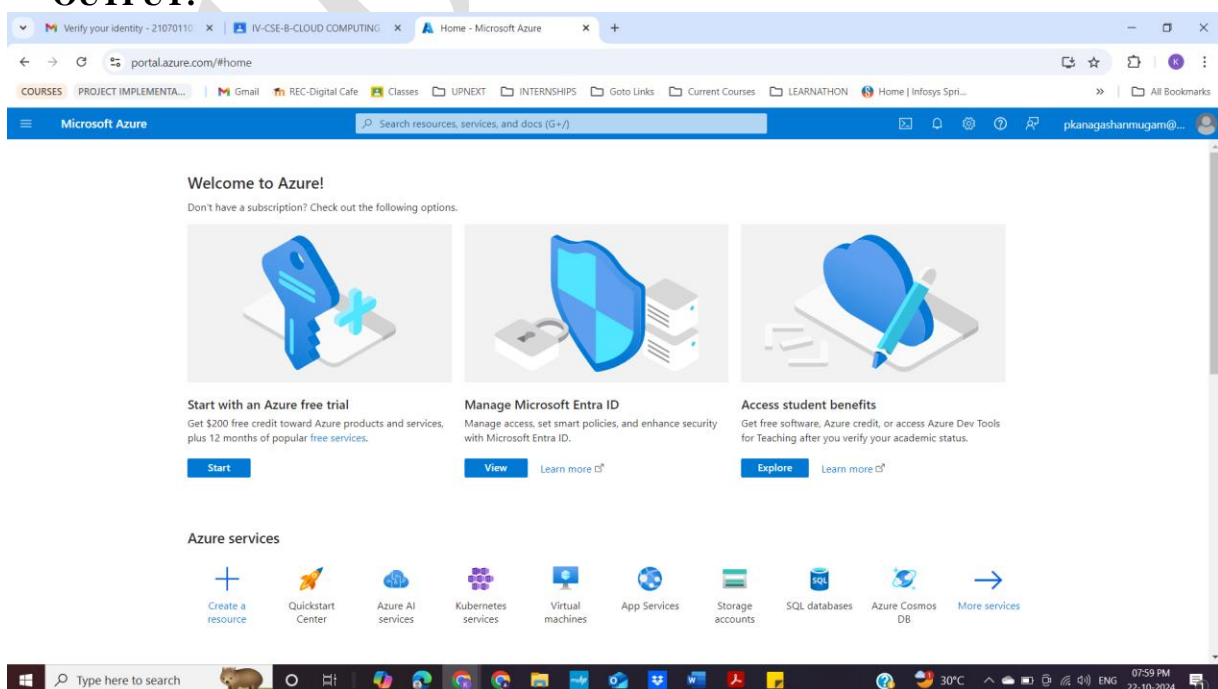
AIM:

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

Search resources, services, and docs (G+)

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
8 units - 1 hr 7 min

Scale multiple Azure SQL Databases with SQ...
7 units - 39 min

Useful links

Overview
Get started
Documentation

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

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

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

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

Microsoft Azure

Search resources, services, and docs (G+)

Home > 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 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

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

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

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

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

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

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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](#)

portal.azure.com/?Microsoft_Azure_Education_correlationId=8acdb650-eb2b-413d-9db3-d97fb9559c4d&Microsoft_Azure_Education_new4AE=true&Microsoft_Azure_Education_asoSubG...

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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 * Azure for Students

Resource group * (New) cloud_computing_lab [Create new](#)

Server details

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

Estimated costs

Compute Sku INR 1487.94/month
Standard_B1ms 1487.94

Storage INR 217.97/month
Storage selected 20 GiB (INR 20 x 10.898503 per GiB) 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 >](#)

Microsoft Azure

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Flexible server

Microsoft

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

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Region * (Asia Pacific) South India

Availability zone * No preference

Authentication

Admin username * admin

Password *

Confirm password *

Workload details (Compare workload type)

Workload type * Dev/Test Standard Enterprise

☐ 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 >

million request increments. [Learn more](#)

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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.

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

Backup redundancy Locally redundant

Tags

Create < Previous: Tags Download a template for automation

Estimated costs

Compute Sku INR 1487.94/month

Standard, 81ms 1487.94

Storage INR 217.97/month

Storage selected 20 GiB (INR 10.896503 per GiB) 20 x 10.896503

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Prices reflects an estimator only. [View Azure pricing calculator](#). Final charges will appear in

Home > Microsoft.SQLDatabase.newDatabaseNewServer_9171258a41d04f18b86c5 | Overview

Deployment

Search << Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: Microsoft.SQLDatabase.newDatabaseNewSer... Start time: 1/6/2023, 6:37:49 PM
Subscription: JJ Azure Subscription Correlation ID: 8d750ebd-564e-46af-aecc-7b
Resource group: sqldatabasedemo

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

Cost Management

Get notified to stay within your budget and prevent unexpected charges on your bill.
Set up cost alerts >

Microsoft Defender for Cloud

Secure your apps and infrastructure
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

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RESULT:

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