

EX. NO: 6

DATE:

PUBLIC CLOUD

CREATING AN INSTANCE IN MICROSOFT AZURE

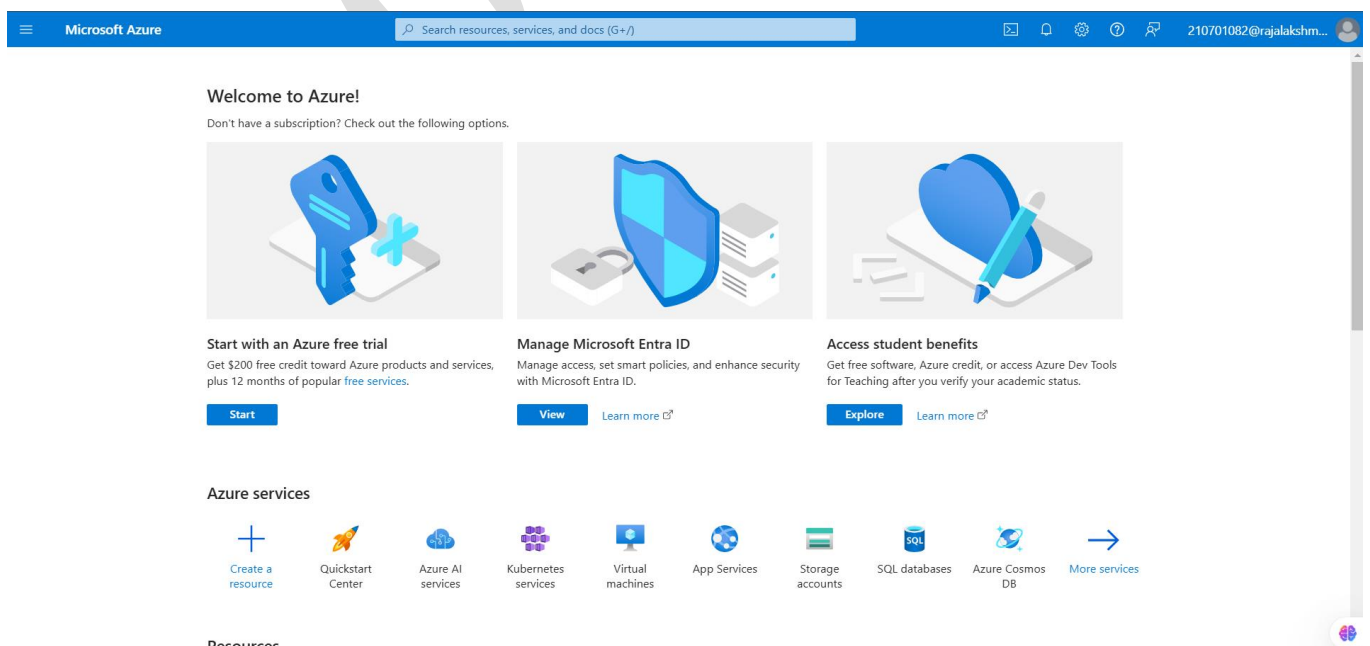
AIM:

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:



Create a resource

Home

Dashboard

All services

FAVORITES

All resources

Resource groups

App Services

Function App

SQL databases

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Microsoft Entra ID

Monitor

Advisor

Microsoft Defender for Cloud

Cost Management + Billing

SQL databases

CreateView

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

Welcome to Azure!


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



Manage Microsoft Entra ID

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

ViewLearn more



Access student benefits

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

ExploreLearn more

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

Microsoft Azure

Search resources, services, and docs (G+)

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Home

Free services

Services that include monthly free amounts for 12 months

For 12 months after signup, new customers can use up to the specified monthly free amount of each of these services without getting charged. Service usage is billed at the pay-as-you-go rate after you reach the monthly limit. To learn more, see the Azure free account FAQ

Windows Virtual Machine

COMPUTE

750 hours

each of B1s and B2ats v2 (AMD-based) burstable VMs.

Create Windows virtual machines (VMs) in seconds to meet your workload and budget needs. [Learn more](#)

Create

Linux Virtual Machine

COMPUTE

750 hours

each of B1s and B2ats v2 (AMD-based) burstable VMs.

Create Linux virtual machines (VMs) in seconds to meet your workload and budget needs. [Learn more](#)

Create

Azure Managed Disks

STORAGE

64 GB x 2

(P6) solid state drives SSD storage, plus 1 GB snapshot and 2 million I/O operations

Get high performance, durable block storage for Azure Virtual Machines with simplified management. [Learn more](#)

Create

Azure Blob Storage

STORAGE

5 GB

locally redundant storage (LRS) hot block with 20,000 read and 10,000 write operations

Use massively-scalable object storage for any type of unstructured data. [Learn more](#)

Create

Azure Files

STORAGE

100GB

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

Create

Key Vault

SECURITY

10,000 transactions

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

Create

Azure Media Services Encodin...

MEDIA

20 output minutes

Standard encoder video or audio source file encoding.

Create

Azure Database for MySQL

DATABASES


750 hours

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


Create

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](#)

Microsoft Azure

Search resources, services, and docs (G+J)



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Home > Free services >

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 *

Select existing item...

Resource group *

Select existing item...

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

Enter server name

Region *

(US) East US

Availability zone *

No preference

Authentication
Admin username *

Enter server admin login name

Password *

Enter password

Estimated costs

Compute Sku USD -/month
-

Storage USD -/month
Storage selected - GiB (USD - per GiB) -

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](#)

Review + create

Next : Tags >

Microsoft Azure

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Home > Free services >

Flexible server

Microsoft

Subscription

Resource group * ①

Select existing item...

Server details

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

Server name * ①

cloud-computing-expirement

Server name must be available.

Region * ①

(US) East US

Availability zone * ①

No preference

Authentication

Admin username * ①

admin

Password * ①

Confirm password *

Workload details (Compare workload type)

Workload type * ①

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 >

Storage selected - GiB (USD - per GiB) -

Auto scale IOPS

Auto scale IOPS is billed on usage in per 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

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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Home > Free services >

Flexible server

Microsoft

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

Resource group

Server name

cloud-computing-expirement

Server admin login name

admin

Location

East US

Availability zone

No preference

High availability

Disabled

MySQL version

8.0

Workload type

Dev/Test

Compute + storage

Dev/Test

Estimated costs

Compute Sku

USD -/month

Storage

USD -/month

Storage selected - GiB (USD - per GiB) -

Auto scale IOPS

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Backup Retention

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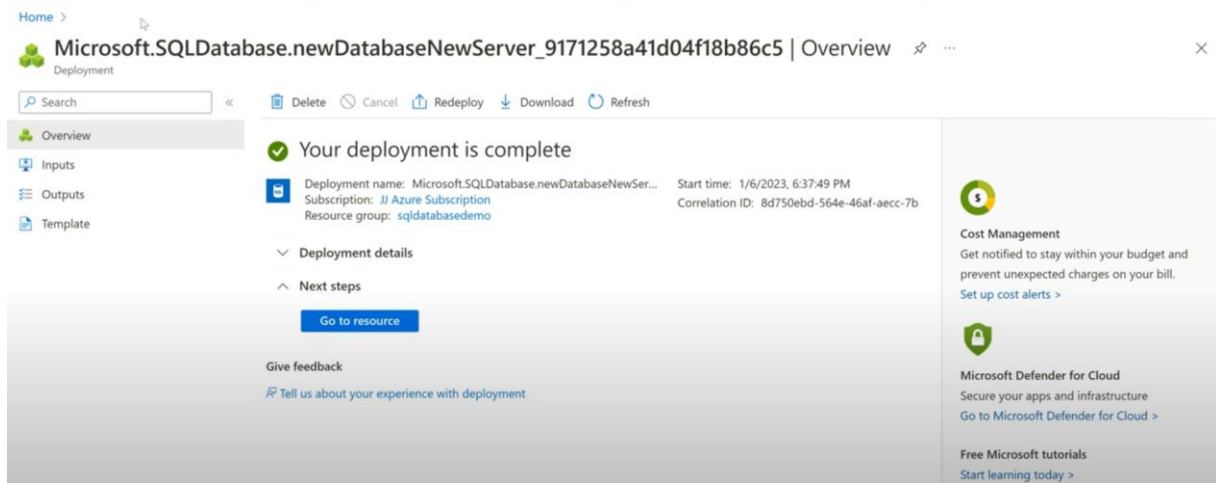
Bandwidth

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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.