

# Day 49

## Assignmen-1:

1.Create a VM in any location with any configuration and connect to the same.

The screenshot displays the Microsoft Azure portal interface for a virtual machine named 'Pavani-Vm'. The top navigation bar includes the 'Microsoft Azure' logo, a search bar, and user information. The left sidebar shows the 'Overview' tab selected, with a list of navigation options including Activity log, Access control (IAM), Tags, Diagnose and solve problems, Connect, Networking, Settings, Availability + scale, Security, Backup + disaster recovery, Operations, Monitoring, Automation, and Help.

The main content area is divided into two sections: 'Essentials' and 'Properties'. The 'Essentials' section provides a summary of the VM's configuration:

- Resource group: [wipro-rg](#)
- Status: Running
- Location: East US (Zone 3)
- Subscription: [Azure Pass - Sponsorship](#)
- Subscription ID: 3bc58997-0031-4e62-bdf3-222123d95146
- Availability zone: 3
- Operating system: Windows (Windows 11 Pro)
- Size: Standard DC1ds v3 (1 vcpu, 8 GiB memory)
- Public IP address: [20.51.210.48](#)
- Virtual network/subnet: [Pavani-Vm-vnet/default](#)
- DNS name: [Not configured](#)
- Health state: -
- Time created: 10/14/2024, 3:39 AM UTC

The 'Properties' section provides more detailed information about the VM:

- Computer name: Pavani-Vm
- Operating system: Windows (Windows 11 Pro)
- VM generation: V2
- VM architecture: x64
- Agent status: Ready
- Agent version: 2.7.41491.1139

The 'Networking' section shows the network configuration:

- Public IP address: [20.51.210.48](#) (Network interface [pavani-vm57\\_23](#))
- Public IP address (IPv6): -
- Private IP address: 10.1.0.4
- Private IP address (IPv6): -
- Virtual network/subnet: [Pavani-Vm-vnet/default](#)
- DNS name: [Configure](#)

Below the configuration details, a preview of the VM's desktop environment is shown. The desktop features a blue background with a large, stylized blue rose. The taskbar at the bottom includes the Start button, Search, and several application icons. The system tray shows the time as 3:46 AM on 10/14/2024.

Fig-1: Created a VM

## 2. Create a App Service --- Web APP with any config

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information. The main content area displays a deployment completion message: "Your deployment is complete". Below this, there are sections for "Deployment details" and "Next steps". The "Deployment details" section shows the deployment name, subscription, and resource group. The "Next steps" section provides links to manage deployments and protect the app with authentication. On the right side, there are recommendations for "Cost Management", "Microsoft Defender for Cloud", and "Free Microsoft tutorials".

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

Home >

Microsoft.Web-WebApp-Portal-08847d3b-85ca | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: Microsoft.Web-WebApp-Portal-08847d3b-85ca Start time: 10/14/2024, 9:26:18 AM  
Subscription: Azure Pass - Sponsorship Correlation ID: fda0d6e6-6edf-4c48-b117-8a2724a3f4bf

Resource group: wipro-rg

Deployment details

Next steps

Manage deployments for your app. Recommended

Protect your app with authentication. Recommended

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

Start learning today

Work with an expert

Microsoft Azure

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Copilot

Home >

WebApp-Service

Web App

Search

Browse Stop Swap Restart Delete Refresh Download publish profile Reset publish profile Share to mobile Send us your feedback

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Microsoft Defender for Cloud

Events (preview)

Better Together (preview)

Log stream

Deployment

Settings

Performance

App Service plan

Development Tools

API

Monitoring

Automation

Essentials

Resource group (move) : wipro-rg

Status : Running

Location (move) : East US

Subscription (move) : Azure Pass - Sponsorship

Subscription ID : 3bc58997-0031-4e62-bd3-222123d95146

Tags (edit) : Add tags

Default domain : webapp-service-bwhyapdkfsa8e5hc.eastus-01.azurewebsites.net

App Service Plan : ASP-wipro-9c5a (\$1: 1)

Operating System : Windows

Health Check : Not Configured

Properties Monitoring Logs Capabilities Notifications Recommendations

Web app

Name : WebApp-Service

Publishing model : Code

Runtime Stack : Dotnet - v8.0

Deployment Center

Deployment logs : View logs

Last deployment : Loading deployments...

Deployment provider : None

Domains

Default domain : webapp-service-bwhyapdkfsa8e5hc.eastus-01.azurewebsites.net

Custom domain : Add custom domain

Application Insights

Name : WebApp-Service

Region : East US Show More

Fig-2: Created WebApp-Service

### 3. Create a Container Service

Microsoft Azure

Search resources, services, and docs (G+)

[Home](#) > [Container instances](#) >

## Create container instance

Validation passed

BasicsNetworkingMonitoringAdvancedTagsReview + create

Basics

Subscription	Azure Pass - Sponsorship
Resource group	wipro-rg
Region	East US
Container name	wiprocontainer-1
SKU	Standard
Image type	Public
Image	mcr.microsoft.com/windows/servercore:10.0.17763.1158-amd64
OS type	Windows
Memory (GiB)	2.5
Number of CPU cores	2
GPU type (preview)	None
GPU count	0

Networking

Networking type	Public
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Create

< Previous

Next >

[Download a template for automation](#)

Microsoft Azure

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[Home](#) >

Microsoft.ContainerInstances-20241014093113 | Overview

Deployment

Search

DeleteCancelRedeployDownloadRefresh

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name : Microsoft.ContainerInstances-20241014093113

Subscription : Azure Pass - Sponsorship

Resource group : wipro-rg

Start time : 10/14/2024, 9:34:16 AM

Correlation ID : f7323e28-c198-4599-a7f3-42bfd3a5e10

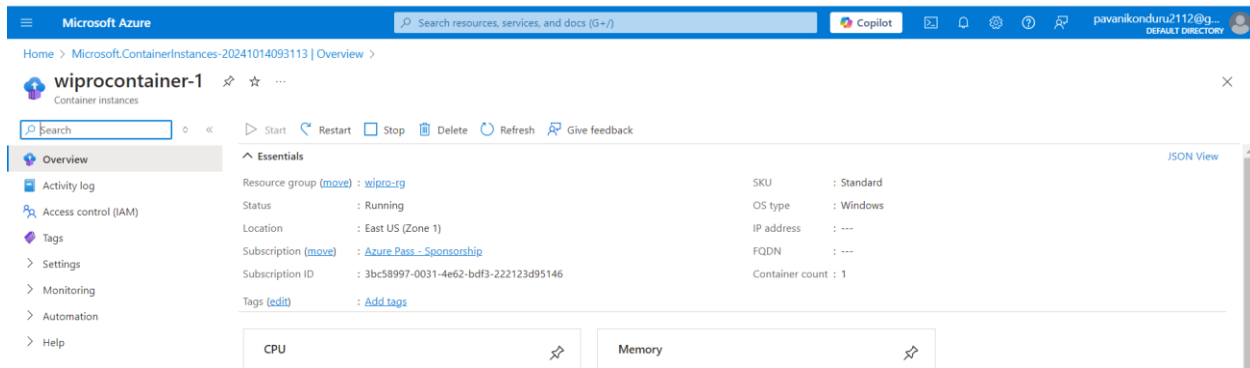
> Deployment details

< Next steps

Go to resource

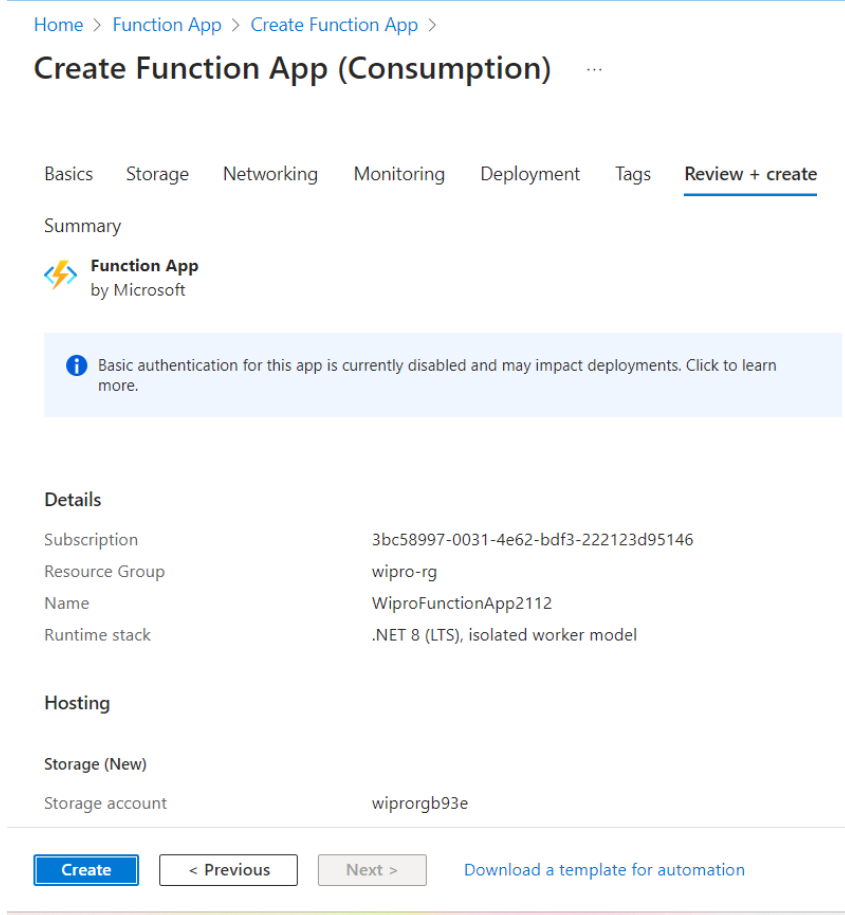
Give feedback

Tell us about your experience with deployment



**Fig-3: Created WiproContainer-1**

## 4.Create a simple Function App



**Microsoft Azure** | Search resources, services, and docs (G+J) | Copilot

Home > **Microsoft.Web-FunctionApp-Portal-4be9938e-8be9** | Overview

Deployment

Search [ ] x << [Delete] [Cancel] [Redeploy] [Download] [Refresh]

**Overview**

- Inputs
- Outputs
- Template

**Your deployment is complete**

Deployment name : Microsoft.Web-FunctionApp-Portal-4be9938e-8be9 Start time : 10/14/2024, 9:40:44 AM  
 Subscription : Azure Pass - Sponsorship Correlation ID : cbc8cab5-5919-420d-aab1-bee0ba633717  
 Resource group : wipro-rg

> Deployment details

Next steps

[Go to resource](#)

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**Microsoft Azure** | Search resources, services, and docs (G+J) | Copilot | pavanikonduruz2112@g... | DEFAULT DIRECTORY

Home > Microsoft.Web-FunctionApp-Portal-4be9938e-8be9 | Overview >

**WiproFunctionApp2112** | Function App

Search [ ] x << [Browse] [Refresh] [Stop] [Restart] [Swap] [Get publish profile] [Reset publish profile] [Download app content] [Delete] [Send us your feedback]

**Overview**

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Microsoft Defender for Cloud
- Events (review)

**Essentials**

Resource group (move) : [wipro-rg](#)  
 Status : Running  
 Location (move) : East US  
 Subscription (move) : [Azure Pass - Sponsorship](#)  
 Subscription ID : 3bc58997-0031-4e62-bdf3-222123d95146  
 Tags (edit) : Add tags

Default domain : [wiprofunctionapp2112.azurewebsites.net](#)  
 Operating System : Windows  
 App Service Plan : [ASP-wipro-rg-8ed2 \(v1.0\)](#)  
 Runtime version : 4.36.0.23246

[JSON View](#)

**Fig-4: Created WiproFunctionApp2112**

Recent Favorite

Name	Type	Last Viewed
WiproFunctionApp2112	Function App	a few seconds ago
wipro-rg	Resource group	2 minutes ago
wiprocontainer-1	Container instances	6 minutes ago
WebApp-Service	App Service	14 minutes ago
Pavani-Vm	Virtual machine	23 minutes ago

## Assignment-1

## Assignment-2:

## 5.Create a Storage Account

Home >

## blobstorage2112\_1728885283847 | Overview

Deployment

Search [ ] x << [ ] Delete [ ] Cancel [ ] Redeploy [ ] Download [ ] Refresh [ ]

**Overview**

- Inputs
- Outputs
- Template

**✓ Your deployment is complete**

Deployment name: blobstorage2112\_1728885283847  
Subscription: [Azure Pass - Sponsorship](#)  
Resource group: [wiprorg](#)

Start time: 10/14/2024, 11:25:08 AM  
Correlation ID: 97491f21-535f-463d-b553-5ef8b0b8ffeb [ ]

Deployment details

Next steps

[Go to resource](#)

Give feedback

[Tell us about your experience with deployment](#)

**Fig-5: Created a storage account**

Home > blobstorage2112

## blobstorage2112 | Containers

Storage account

Search [ ] << [ ] Container [ ] Change access level [ ] Restore containers [ ] Refresh [ ] Delete [ ] Give feedback [ ]

Search containers by prefix [ ] Show deleted containers [ ]

Name	Last modified	Anonymous access level	Lease state	
<input type="checkbox"/> \$logs	10/14/2024, 11:25:38 AM	Private	Available	...
<input type="checkbox"/> practice-container	10/14/2024, 11:29:43 AM	Private	Available	...

**Fig-6: Created a container and uploaded an image**

Microsoft Azure

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

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pavanikonduru2112@g...  
DEFAULT DIRECTORY

Home > blobstorage2112

## blobstorage2112 | File shares

Storage account

Search [ ] << [ ] File share [ ] Refresh [ ] Give feedback [ ]

**File share settings**

Identity-based access: [Not configured](#) Default share-level permissions: [Disabled](#) Soft delete: [14 days](#) Maximum capacity: [100 TiB](#) Security: [Maximum compatibility](#)

Search file shares by prefix (case-sensitive) [ ] Show deleted shares [ ]

Name	Modified	Access tier	Quota	
amazon	10/14/2024, 11:36:24 AM	Transaction optimized	100 TiB	...

**Fig-7: Created a File storage to upload a file**

Microsoft Azure

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DEFAULT DIRECTORY

Home > blobstorage2112

blobstorage2112 | Queues

Storage account

Search

Queue Refresh Delete Give feedback

Search queues by prefix

Queue	Url
<input type="checkbox"/> azure-practice-containers	https://blobstorage2112.queue.core.windows.net/azure-practice-containers

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Refresh Add message Dequeue message Clear queue Give feedback

Authentication method: Access key (Switch to Microsoft Entra user account)

Search to filter items...

Id	Message text	Insertion time	Expiration time	Dequeue count
c49cd36c-97b2-42cd...	Hi hello everyone	10/14/2024, 11:38:06 AM	10/21/2024, 11:38:06 AM	0

Fig-8: Created a Queue with text message

Microsoft Azure

Search resources, services, and docs (G+)

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pavanikonduru2112@g...  
DEFAULT DIRECTORY

Home > blobstorage2112

blobstorage2112 | Tables

Storage account

Search

Table Refresh Delete Give feedback

Search tables by prefix

Table	Url
<input type="checkbox"/> employee	https://blobstorage2112.table.core.windows.net/employee
<input type="checkbox"/> employeeprac	https://blobstorage2112.table.core.windows.net/employeeprac
<input type="checkbox"/> wiprotatable	https://blobstorage2112.table.core.windows.net/wiprotatable

+ Add entity Refresh Delete Edit columns

Tables > employee

Authentication method: Access key (Switch to Microsoft Entra user account)

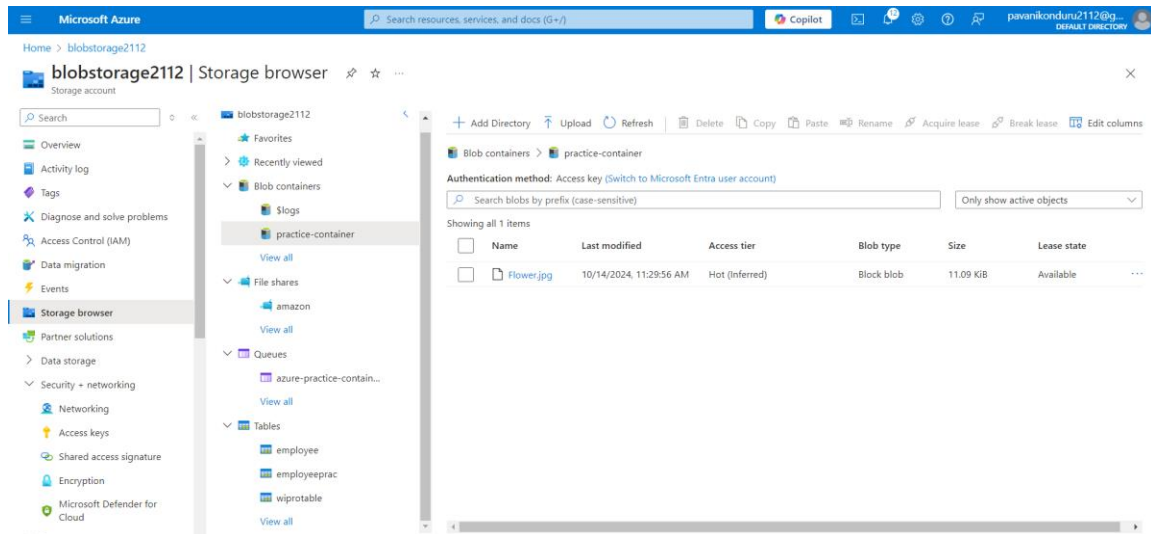
Add filter

Advanced filters

Showing all 1 items

FirstName	LastName	Gender	Age	PhoneNumber
74... Tom	K	Female	24	9875643124

Fig-9: Created a Employee Table and inserted data



## Assignment-2

### What is Jenkins

Jenkins is an open source continuous integration/continuous delivery and deployment (CI/CD) automation software DevOps tool written in the Java programming language. It is used to implement CI/CD workflows called pipelines.

CI/CD pipelines automate testing and reporting on isolated changes in a larger [codebase](#) in real time. They also facilitate the integration of disparate branches of the code into a main branch. Pipelines rapidly detect defects in a codebase, build the software, [automate\\_testing](#) of builds, prepare the codebase for deployment and delivery, and ultimately deploy code to containers and virtual machines (VMs), as well as to bare-metal and cloud servers.