

**Name: Muhammad Osama**

**Registration no: 2280151**

**Program: BSSE**

**Section: B**

## Lab 04: Create a Web App

### Task 1: Create a Web App

The screenshot shows the Microsoft Azure App Services dashboard. The top navigation bar includes 'Microsoft Azure', a search bar, 'Copilot', and user information 'bsse2280151@szabist.pk'. The main area is titled 'App Services' with a sub-section 'Web App'. A message 'No app services to display' is centered. Below it, a brief description reads: 'Create, build, deploy, and manage powerful web, mobile, and API apps for employees or customers using a single back-end. Build standards-based web apps and APIs using .NET, Java, Node.js, PHP, and Python.' A 'Learn more about App Service' link is present. The bottom of the page shows pagination controls: 'Showing 1 - 0 of 0. Display count: auto' and 'Give feedback'.

The screenshot shows the 'Create Web App' wizard, step 1: Basics. The top navigation bar is identical to the previous screenshot. The main area has a title 'Create Web App'. It features tabs for 'Basics', 'Database', 'Container', 'Networking', 'Monitor + secure', 'Tags', and 'Review + create'. Under 'Basics', a paragraph explains that App Service Web Apps let you quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform. It includes a 'Learn more' link. The 'Project Details' section asks to select a subscription to manage deployed resources and costs. It shows 'Subscription' set to 'Azure for Students' and 'Resource Group' set to '(New) Lab04-RG'. A 'Create new' button is available. The 'Instance Details' section shows 'Name' set to 'mydockerwebapposama00'. At the bottom are buttons for 'Review + create', '< Previous', and 'Next : Database >'.

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

All services > App Services > Create Web App ...

Name: mydockwerwebapposama00 -fjcbemesdxbjhgbcentralindia-01.azurewebsites.net

Secure unique default hostname on. [More about this update](#)

Publish:  Code  Container

Operating System:  Linux  Windows

Region: Central India

Not finding your App Service Plan? Try a different region or select your App Service Environment.

**Pricing plans**

App Service plan pricing tier determines the location, features, cost and compute resources associated with your app. [Learn more](#)

Linux Plan (Central India): (New) ASP-Lab04RG-ac36

[Review + create](#) [< Previous](#) [Next : Database >](#)

bsse2280151@szabist.pk DEFAULT DIRECTORY Sign out

Microsoft bsse2280151@szabist... bsse2280151@szabist.pk My Microsoft account Switch directory ...

Sign in with a different account

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

All services > App Services > Create Web App ...

Linux Plan (Central India): (New) ASP-Lab04RG-ac36

[Create new](#)

Pricing plan: Basic B1 (100 total ACU, 1.75 GB memory, 1 vCPU)

[Explore pricing plans](#)

**Zone redundancy**

An App Service plan can be deployed as a zone redundant service in the regions that support it. Your initial instance count will be set based on your zone redundancy configuration. To ensure you'll be able to enable zone redundancy at any point in the lifecycle of your app, enable zone redundancy now. You can decrease the instance count after the App Service plan is created. [Learn more](#)

Zone redundancy:  Enabled: Your App Service plan and the apps in it will be zone redundant. The minimum App Service plan instance count will be two.  Disabled: Your App Service plan and the apps in it will not be zone redundant. The minimum App Service plan instance count will be one.

[Review + create](#) [< Previous](#) [Next : Database >](#)

bsse2280151@szabist.pk DEFAULT DIRECTORY Sign out

Microsoft bsse2280151@szabist... bsse2280151@szabist.pk My Microsoft account Switch directory ...

Sign in with a different account

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

All services > App Services > Create Web App ...

Basics Database Container Networking Monitor + secure Tags Review + create

Select your preferred source for container images. You can change these settings and other dependencies after creating the app. [Learn more](#)

Sidecar support  Enhanced configuration with sidecar support on [Learn More](#)

Image Source \*  Quickstart  Azure Container Registry  Other container registries

Name \* main

Docker hub options Access Type \*  Public  Private

[Review + create](#) [< Previous](#) [Next : Networking >](#)

bsse2280151@szabist.pk DEFAULT DIRECTORY Sign out Microsoft bsse2280151@szabist... bsse2280151@szabist.pk My Microsoft account Switch directory ... Sign in with a different account

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

All services > App Services > Create Web App ...

Other container registries

Name \* main

Docker hub options Access Type \*  Public  Private

Registry server URL \* https://mcr.microsoft.com ✓

Image and tag \* azuredocs/aci-helloworld:latest ✓

Port 80 ✓

Startup Command ⓘ Example: /bin/bash; -c; echo hello; sleep 10000

[Review + create](#) [< Previous](#) [Next : Networking >](#)

bsse2280151@szabist.pk DEFAULT DIRECTORY Sign out Microsoft bsse2280151@szabist... bsse2280151@szabist.pk My Microsoft account Switch directory ... Sign in with a different account

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

Copilot

All services > App Services >

## Create Web App ...

Basics Database Container Networking Monitor + secure Tags Review + create

**Summary**

**Web App** by Microsoft **Basic (B1) sku** Estimated price - 13.14 USD/Month

**Basic authentication for this app is currently disabled and may impact deployments. Click to learn more.**

**Details**

Subscription: 861d493b-12a4-4267-b9db-f579840afab9  
Resource Group: Lab04-RG  
Name: mydockerwebapposama00

**Create** < Previous Next > Download a template for automation

Sign in with a different account

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

Copilot

All services >

## Microsoft.Web-WebApp-Portal-3afe2c17-9f7a | Overview

Deployment

Search X < Delete Cancel Redeploy Download Refresh

**Overview**

**Your deployment is complete**

Deployment name : Microsoft.Web-WebApp-Portal-3afe2c17-9f7a  
Subscription : Azure for Students  
Resource group : Lab04-RG  
Start time : 10/30/2025, 2:18:57 PM  
Correlation ID : d8efa343-555a-4325-a3e7-be1c73070ca3

Deployment details  
Next steps

Go to resource

Notifications

More events in the activity log → Dismiss all

**Deployment succeeded**  
Deployment 'Microsoft.Web-WebApp-Portal-3afe2c17-9f7a' to resource group 'Lab04-RG' was successful.

Go to res... Go to resource ... a few seconds ago

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

Copilot

All services >

## Microsoft.Web-WebApp-Portal-3afe2c17-9f7a | Overview

Deployment

Search X < Delete Cancel Redeploy Download Refresh

**Overview**

**Your deployment is complete**

Deployment name : Microsoft.Web-WebApp-Portal-3afe2c17-9f7a  
Subscription : Azure for Students  
Resource group : Lab04-RG  
Start time : 10/30/2025, 2:18:57 PM  
Correlation ID : d8efa343-555a-4325-a3e7-be1c73070ca3

Deployment details  
Next steps

Go to resource

Sign out

bsse2280151@szabist.pk DEFAULT DIRECTORY

bsse2280151@szabist...  
bsse2280151@szabist.pk  
My Microsoft account  
Switch directory

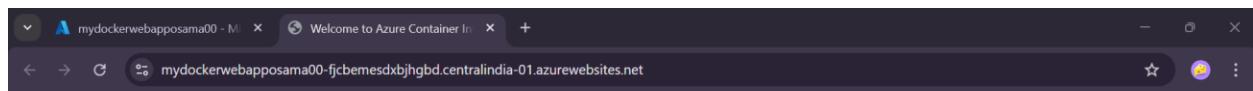
Sign in with a different account

a few seconds ago

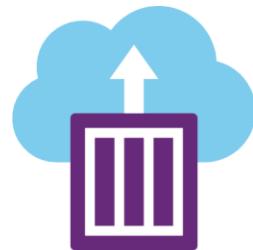
## Task 2: Test the Web App

The screenshot shows the Microsoft Azure portal interface. At the top, there's a navigation bar with 'Microsoft Azure', a search bar, and various icons. On the right, a user profile is shown with the email 'bsse2280151@szabist.pk' and a 'Sign out' button. Below the navigation bar, the main content area shows a 'Web App' named 'mydockerwebapposama00'. The 'Overview' tab is selected, displaying basic information like the resource group ('Lab04-RG'), status ('Running'), location ('Central India'), and subscription ('Azure for Students'). Other tabs include 'Monitoring', 'Logs', 'Capabilities', 'Notifications (0)', and 'Recommendations'. On the left, a sidebar provides links to 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Microsoft Defender for Cloud', 'Events (preview)', 'Log stream', 'Resource visualizer', 'Deployment slots', and 'Deployment Center'. A 'Properties' tab is also visible.

The screenshot shows a web browser window with two tabs. The active tab is 'Welcome to Azure Container Instances!', which displays a message and a cloud icon with an upward arrow. The URL in the address bar is 'mydockerwebapposama00-fjcbemesdxbjhgbd.centralindia-01.azurewebsites.net'. To the left of the browser, a vertical toolbar is visible with icons for file operations, navigation, and other browser functions. On the right, the same Microsoft Azure user profile and navigation bar from the previous screenshot are present.



## Welcome to Azure Container Instances!



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

bsse2280151@szabist.pk DEFAULT DIRECTORY Sign out

Home > mydockerwebapposama00 Web App

Overview

Activity log, Access control (IAM), Tags, Diagnose and solve problems, Microsoft Defender for Cloud, Events (preview), Log stream, Resource visualizer, Deployment, Settings, Environment variables

Key Metrics See all metrics

Show data for the last : 1 hour

Http 5xx

Value
100
90
80
70
60
50
40
30
20
10
0

1:45 2 PM UTC+05:00

Http Server Errors (Sum) | 0

Data In

Value
100
90
80
70
60
50
40
30
20
10
0

1:45 2 PM UTC+05:00

BytesReceived (Sum), ... |

Error retrieving data.  
For more information, please visit <https://aka.ms/metricstroubles...>

Data Out

Value
100
90
80
70
60
50
40
30
20
10
0

1:45 2 PM UTC+05:00

BytesSent (Sum), mydo... |

Error retrieving data.  
For more information, please visit <https://aka.ms/metricstroubles...>

Sign in with a different account

bsse2280151@szabist...  
bsse2280151@szabist.pk  
My Microsoft account  
Switch directory

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

mydockerwebapposama00 Web App

Home >

Overview

Browse Stop Swap Restart Delete Refresh Download publish profile

Search

Requests

Error retrieving data.

For more information, please visit <https://aka.ms/metricstroubles...>

Response Time

Error retrieving data.

For more information, please visit <https://aka.ms/metricstroubles...>

File System St

Error retrieving data.

For more information, please visit <https://aka.ms/metricstroubles...>

Sign out

bsse2280151@szabist.pk DEFAULT DIRECTORY

Microsoft

bsse2280151@szabist.pk My Microsoft account Switch directory

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Microsoft Defender for Cloud

Events (preview)

Log stream

Resource visualizer

Deployment

Settings

[x] Environment variables

Add or remove favorites by pressing Ctrl+Shift+F