

Introduction to Cloud Computing

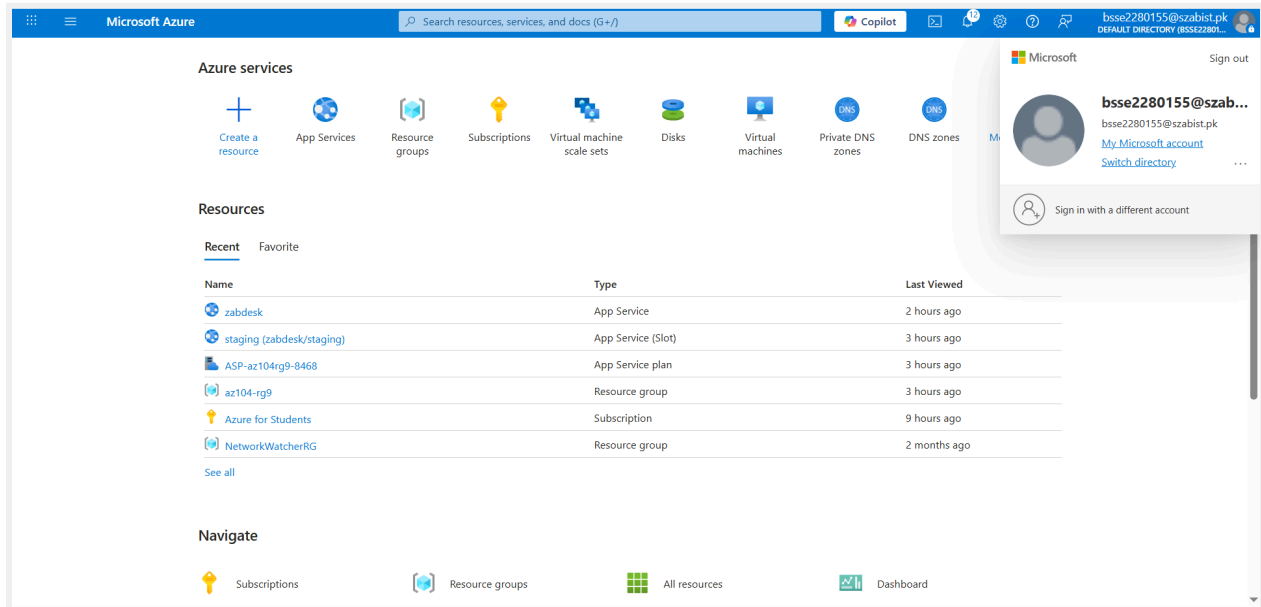
LAB 09b

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BS-SE 7B

Task 1: Deploy an Azure Container Instance using a Docker image



- search for and select **Container instances** and then, on the **Container instances** blade, click **Create**.

The screenshot shows the 'Create container instance' form in the Azure portal. The form is divided into several sections: 'Project details', 'Container details', and 'Review + create'. The 'Project details' section shows the subscription 'Azure for Students' and resource group '(New) az104-rg9'. The 'Container details' section shows the container name 'az104-ct1', region '(Asia Pacific) Central India', availability zones 'None', and SKU 'Standard'. A tooltip is visible over the container name field, stating: 'The value is in between 1 and 63 characters long.', 'Match found.', and 'Container instance name must be unique in the current resource group.' The 'Review + create' button is at the bottom left, and the 'Next: Networking >' button is at the bottom right.

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

bss2280155@szabist.pk
DEFAULT DIRECTORY (BSS22801...

Home >

Create container instance ...

BasicsNetworkingMonitoringAdvancedTagsReview + create

Choose between three networking options for your container instance:

- **Public** will create a public IP address for your container instance.
- **Private** will allow you to choose a new or existing virtual network for your container instance.
- **None** will not create either a public IP or virtual network. You will still be able to access your container logs using the command line.

Networking type

☒ Public☐ Private☐ None

DNS name label

szabist

DNS name label scope reuse

Tenant

Ports

Ports	Ports protocol
80	TCP
<input type="text"/>	<div><div></div></div>

Review + create

< Previous

Next : Monitoring >

Give feedback

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Home > Container instances >

Create container instance ...

BasicsNetworkingMonitoringAdvancedTagsReview + create

Configure monitoring options for your container instance.

Insights

Enable container instance logs

☐

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Home >

NoMarketplace-20260109114002 | Overview ...

Deployment

Search

DeleteCancelRedeployDownloadRefresh

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name : NoMarketplace-20260109114002

Subscription : Azure for Students

Resource group : az104-rg9

Start time : 1/9/2026, 11:48:53 AM

Correlation ID : 3af6c761-6410-4ace-b941-fad7a6a0482c

> Deployment details

> Next steps

Go to resource

Deployment succeeded

Deployment 'NoMarketplace-20260109114002' to resource group 'az104-rg9' was successful.

Go to resourceGo to resource group

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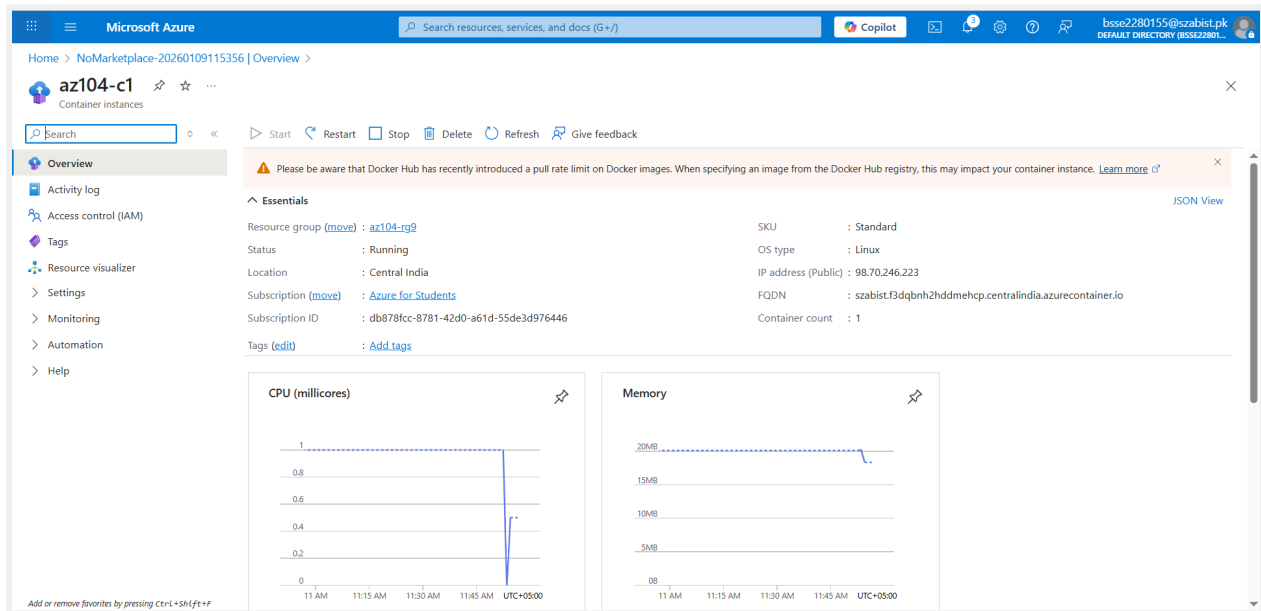
Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

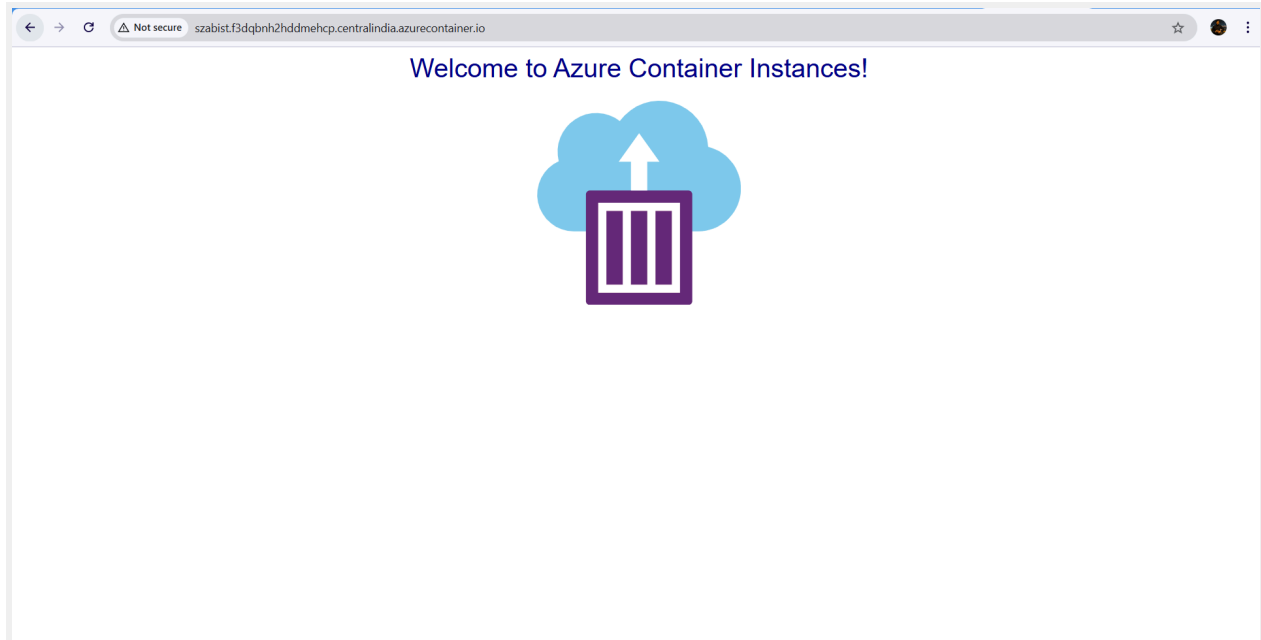
Find an Azure expert >

Task 2: Test and verify deployment of an Azure Container Instance

- When the deployment completes, select **Go to resource** link.
- On the **Overview** blade of the container instance, verify that **Status** is reported as **Running**.



- Copy the value of the container instance **FQDN**, open a new browser tab, and navigate to the corresponding URL.



- In the **Settings** section of the container instance blade, click **Containers**, and then click **Logs**.

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and various icons. The main content area is titled 'az104-c1 | Containers' and shows a table with one container instance. The table has columns for Name, Image, State, Previous state, Start time, and Restart count. The container instance 'az104-c1' is in the 'Running' state. Below the table, there is a 'Logs' tab selected, showing a log stream with HTTP requests. The log stream includes timestamps and details of incoming requests, such as 'GET / HTTP/1.1' and 'GET /favicon.ico'.

Name	Image	State	Previous state	Start time	Restart count
az104-c1	mcr.microsoft.com/azuredocs/aci-hell...	Running	-	2026-01-09T06:55:49.592Z	0

Events Properties **Logs** Connect

To troubleshoot your container further, please [navigate to Logs](#). [Learn more](#) >

```

listening on port 80
::ffff:10.92.0.11 - - [09/Jan/2026:07:00:26 +0000] "GET / HTTP/1.1" 200 1696 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/143.0.0 Safari/537.36"
::ffff:10.92.0.11 - - [09/Jan/2026:07:00:26 +0000] "GET /favicon.ico HTTP/1.1" 404 150 "http://szabist.f3dqbnh2hddmehcp.centralindia.azurecontainer.io/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/143.0.0 Safari/537.36"
::ffff:10.92.0.11 - - [09/Jan/2026:07:01:37 +0000] "GET / HTTP/1.1" 304 - "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/143.0.0 Safari/537.36"
::ffff:10.92.0.11 - - [09/Jan/2026:07:01:39 +0000] "GET / HTTP/1.1" 304 - "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/143.0.0 Safari/537.36"
::ffff:10.92.0.11 - - [09/Jan/2026:07:01:44 +0000] "GET / HTTP/1.1" 304 - "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/143.0.0 Safari/537.36"
::ffff:10.92.0.11 - - [09/Jan/2026:07:01:47 +0000] "GET / HTTP/1.1" 304 - "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/143.0.0 Safari/537.36"

```

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