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BSSE – 7A

Lab: 09 B

Implement Azure Container Instances

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

In this task, you will create a simple web application using a Docker image. Docker is a platform that provides the ability to package and run applications in isolated environments called containers. Azure Container Instances provides the compute environment for the container image.

Microsoft Azure

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

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Home > Container instances >

Create container instance

Validation passed

Basics Networking Monitoring Advanced Tags Review + create

Basics

Subscription	Azure for Students
Resource group	(new) az104-rg9
Region	Central India
Container name	az104-c1
SKU	Standard
Image type	Public
Image	mcr.microsoft.com/azuredocs/aci-helloworld:latest
OS type	Linux
Memory (GiB)	1.5
Number of CPU cores	1
GPU type (preview)	None
GPU count	0

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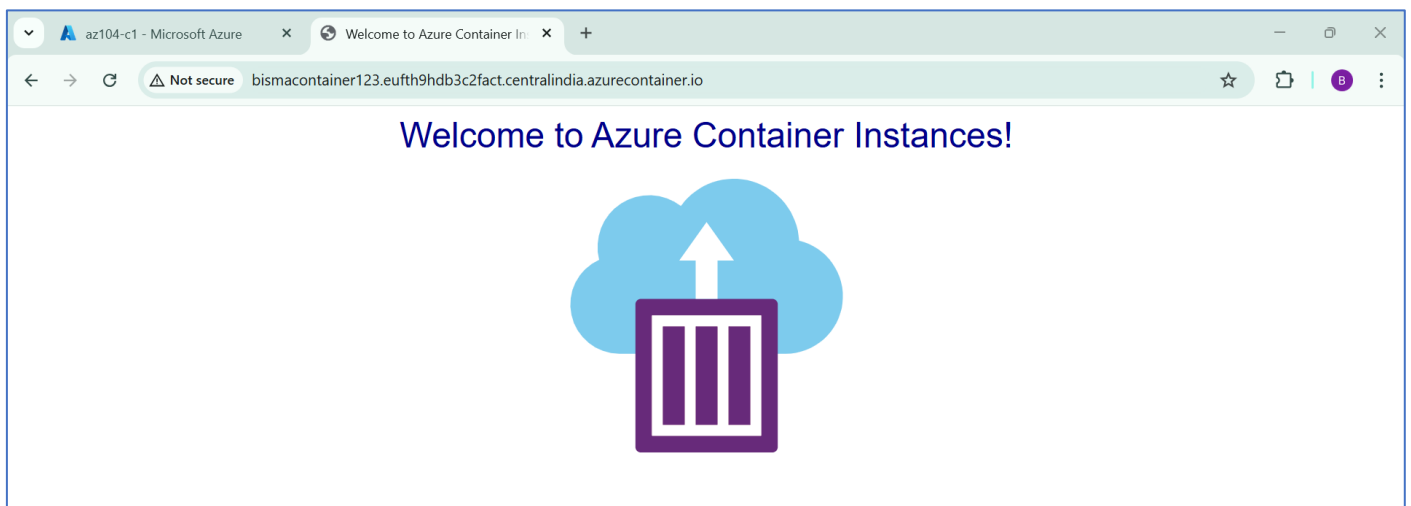
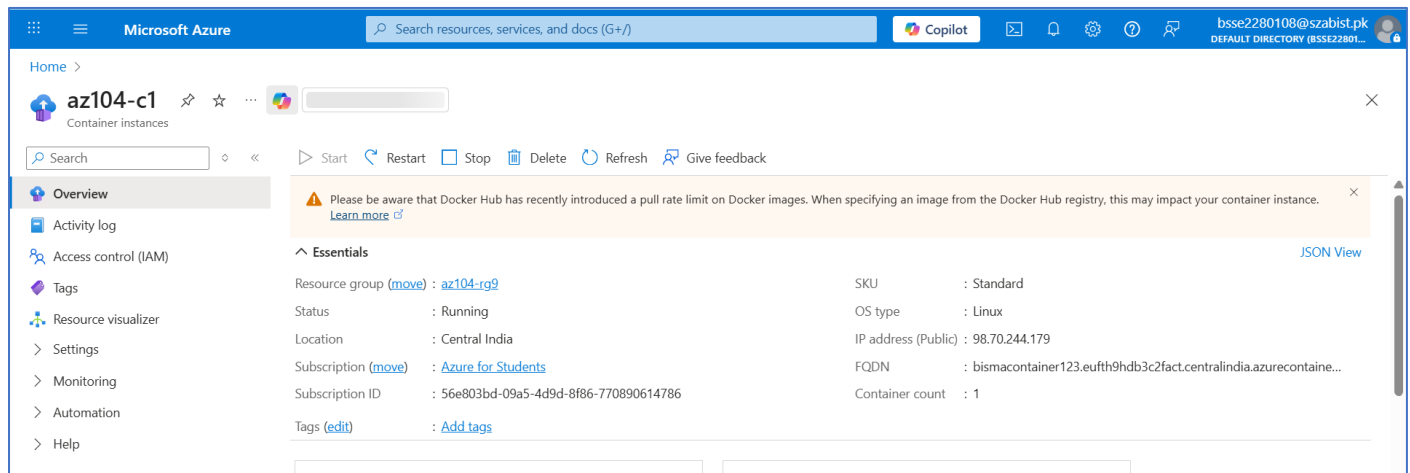
Deployment succeeded

Deployment 'NoMarketplace-20251214182110' to resource group 'az104-rg9' was successful.

Go to resource Go to resource group

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

In this task, you review the deployment of the container instance. By default, the Azure Container Instance is accessible over port 80. After the instance has been deployed, you can navigate to the container using the DNS name that you provided in the previous task.



Key takeaways

Congratulations on completing the lab. Here are the main takeaways for this lab.

- + Azure Container Instances (ACI) is a service that enables you to deploy containers on the Microsoft Azure public cloud.
- + ACI doesn't require you to provision or manage any underlying infrastructure.
- + ACI supports both Linux containers and Windows containers.
- + Workloads on ACI are usually started and stopped by some kind of process or trigger and are usually short-lived.