

Lab:- 6

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Reg no :230913003
23-02-2024


Cloud Infrastructure Management


Carry out experiment to demonstrate the Docker working in cloud and compare its performance with VM


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Create container instance:

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Create container instance

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Azure Container Instances (ACI) allows you to quickly and easily run containers on Azure without managing servers or having to learn new tools. ACI offers per-second billing to minimize the cost of running containers on the cloud.
[Learn more about Azure Container Instances](#)

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * Azure for Students

Resource group * Testing1
[Create new](#)

Container details

Container name * vpccloudcontainer

Region * (US) Central US

Availability zones (Preview) None

- ✓ The value is in between 1 and 63 characters long.
- ✓ Match found.
- ✓ Container instance name must be unique in the current resource group.

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Create container instance

SKU Standard

Image source * ☒ Quickstart images
☐ Azure Container Registry
☐ Other registry

Run with Azure Spot discount ☐

Image * mcr.microsoft.com/azuredocs/aci-helloworld:latest (Linux)

Size * 1 vcpu, 1.5 GiB memory, 0 gpus
[Change size](#)

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Create container instance ...

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

vpcloudcontainer

DNS name label scope reuse

Tenant

Ports

80

TCP

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Create container instance ...

Validation passed

BasicsNetworkingAdvancedTagsReview + create

Basics

Subscription

Azure for Students

Resource group

Testing1

Region

Central US

Container name

vpcloudcontainer

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

Create

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Deployment of Container Instances:

Home >

Microsoft.ContainerInstances-20240225140107 | Overview

Deployment

Search

DeleteCancelRedeployDownloadRefresh

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name : Microsoft.ContainerInstances-20240225140107... Start time : 2/25/2024, 2:05:34 PM

Subscription : Azure for Students Correlation ID : 7697b9d9-2d9a-415a-a1a9-a398718...

Resource group : Testing1

Deployment details

Next steps

Go to resource

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Tell us about your experience with deployment

Deployment succeeded

Deployment 'Microsoft.ContainerInstances-20240225140107' to resource group 'Testing1' was successful.

Go to resourcePin to dashboard

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Vpcloudcontainer:

