

INTRODUCTION TO CLOUD COMPUTING

Lab Task 05 (C) (Implement Azure Container Apps)

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Section: SE 7-B

Task 1: Create and configure an Azure Container App and environment.

The screenshot shows the 'Create Container app' page in the Microsoft Azure portal. The page is for creating a new container app. The subscription is 'Azure for Students'. The resource group is '(new) az104-rg9'. The container app name is 'my-app'. The deployment source is 'Container image'. The region is 'East Asia'. The container app environment is '(new) my-environment (az104-rg9)'. The page has a 'Next: Container >' button.

Microsoft Azure

Home > Container Apps >

Create Container app

Subscription * Azure for Students

Resource group * (new) az104-rg9

Container app name * my-app

Optimize for Azure Functions

Deployment source *

Container image

Source code or artifact

Container Apps environment

Environment name * my-environment

Region * East Asia

Container App environment * (new) my-environment (az104-rg9)

Review + create

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Next: Container >

The screenshot shows the 'Create Container Apps environment' page in the Microsoft Azure portal. The page is for creating a new container app environment. The environment name is 'my-environment'. The zone redundancy is 'Disabled'. The page has a 'Create' button.

Microsoft Azure

Home > Container Apps > Create Container app >

Create Container Apps environment

Environment details

Environment name * my-environment

Zone redundancy

Zone redundancy *

Disabled: Your Container App Environment and the apps in it will not be zone redundant.

Enabled: Your Container App Environment and the apps in it will be zone redundant. This requires vNet integration.

Create

Cancel

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Microsoft Azure

Home > Container Apps >

Create Container app

Basics Container Tags Review + create

Select a quickstart image for your container, or select quickstart image to use an existing container.

Use quickstart image ☒

Container details

You can change these settings after creating the Container app.

Quickstart image * Simple hello world container

Container resource allocation

Workload profile type Consumption

Number of CPU cores 0.25

Memory size (Gi) 0.5

Application ingress settings

Enable ingress for applications that need an HTTP or TCP endpoint.

Ingress ☐ Enabled

Ingress traffic Accepting traffic from anywhere

Target port 80

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

Task 2: Test and verify deployment of the Azure Container App.

my-app.mangocean-ff024f37.eastasia.azurecontainerapps.io

Microsoft Azure

Your container app is running with a Hello World image

Azure Container Apps is a serverless container solution for apps and microservices that helps you:

- Simplify your container deployments
- Manage less infrastructure
- Scale automatically on demand

[Learn more.](#)

Next steps

Explore sample templates you can leverage for your container apps.

[Sample apps](#)

Follow our Quickstart guide and deploy your own app.

[Quickstart](#)

