

INTRODUCTION TO CLOUD COMPUTING

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

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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 container apps environment is '(new) my-environment (az104-rg9)'. The region is 'East Asia'. The page has a 'Review + create' button and a 'Next: Container >' button.

Microsoft Azure

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

Copilot

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DEFAULT DIRECTORY (BSSE22801...

Home > Container Apps >

Create Container app

Subscription * Azure for Students

Resource group * (new) az104-rg9
[Create new resource group](#)

Container app name * my-app

Optimize for Azure Functions ☐

☒ Built-in support and autoscaling for Azure Functions (requires image compatible with Functions). [How to run functions with your container app](#)

Deployment source * ☒ Container image
Bring your own container registry or build a container from a Dockerfile.

☐ Source code or artifact
Build and deploy your code without using a Dockerfile.

Container Apps environment

An environment is a secure boundary around a group of container apps. [Container Apps Pricing](#)

Show environments in all regions ☐

Region * East Asia

Container Apps environment * (new) my-environment (az104-rg9)
[Create new environment](#)

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

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

Microsoft Azure

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

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Home > Container Apps > Create Container app >

Create Container Apps environment

Environment details

The environment is a secure boundary around one or more container apps that can communicate with each other and share a virtual network, logging, and Dapr configuration. [Learn more](#)

Environment name * my-environment

Zone redundancy

A Container App Environment can be deployed as a zone redundant service in the regions that support it. This is a deployment time only decision. You can't make Container App Environment zone redundant after it has been deployed. [Learn more](#)

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](#)

