

Introduction to Cloud Computing

LAB 09c

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BS-SE 7B

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

- Search for and select **Container Apps**. Select **Create**, from drop-down menu, **Container App**.

Microsoft Azure

Home > Container Apps > Create Container app

Basics Container Ingress Tags Review + create

Create a containerized app and run it on a serverless platform—without managing cloud infrastructure. [Quickstart guide](#)

Project details

Select a subscription to manage resource creation and costs, and a resource group to organize all your resources for this deployment.

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.

Review + create < Previous Next : Container >

Microsoft Azure

Home > Container Apps > Create Container app > Create Container Apps environment

Basics Workload profiles Monitoring Networking

GPU enabled workload profiles are now available. Please note GPU enabled workload profiles can only be added at the time of Azure Container Apps Environment creation.

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](#)

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

- Click **Next: Container** tab and ensure that **Use quickstart image** is checked.

Create Container app

Basics Container Tags Review + create

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

Use quickstart image

Container details
You can change these settings after creating the Container app.

Quickstart image *

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

Review + create < Previous Next : Tags >

- Select the **Review and create** and then **Create**.

Microsoft.App-ContainerApp-Portal-37508bb0-81d9 | Overview

Deployment succeeded
Deployment 'Microsoft.App-ContainerApp-Portal-37508bb0-81d9' to resource group 'az104-rg9' was successful.

Overview Deployment succeeded Go to resource Go to resource group

Inputs
Outputs
Template

Your deployment is complete

Deployment name : Microsoft.App-ContainerApp-Portal-37508bb0-81d9 Start time : 1/9/2026, 2:16:48 PM
Subscription : Azure for Students Correlation ID : 5a8cdb39-e503-4c25-8085-de16b68d6f1d

Deployment details
Next steps
Go to resource

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

- Select **Go to resource** to view your new container app.

Microsoft Azure

Home > MicrosoftApp-ContainerApp-Portal-37508bb0-81d9 | Overview >

my-app Container App

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

> Application

> Settings

> Networking

> Security

> Monitoring

> Automation

> Help

Search Stop Refresh Delete Send us your feedback

Resource group (move) : az104-rg9 Status : Running Location (move) : Central India Subscription (move) : Azure for Students Subscription ID : db878fcc-8781-42d0-a61d-55de3d976446 Aspire Dashboard : Not yet active (set up) Tags (edit) : Add tags

Application Url : <https://my-app.victoriousbeach-72711327.centralindia.azurecontainerapps.io> Container Apps Environ... : my-environment Environment type : Workload profiles Log Analytics : workspaceaz104rg9ad9f Development stack : Generic (manage)

Discover Azure Container Apps Features

Upload artifact

Manage your app with revisions

Set up continuous deployment

- Select the link next to **Application URL** to view your application.

my-app.victoriousbeach-72711327.centralindia.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.

Follow our Quickstart guide and deploy your own app.

Sample apps Quickstart