

Міністерство освіти і науки України
Карпатський національний університет
імені В.Стефаника

Факультет математики та інформатики
Кафедра інформаційних технологій

Інформатика і програмування

Лабораторна робота № 9с

Тема: Implement Azure Container Apps

Виконав: Прокутко В.В
Група ІПЗ-43
Дата: 13 грудня 2025
Викладач: Поварчук Д.Д

Івано-Франківськ – 2025

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

Azure Container Apps take the concept of a managed Kubernetes cluster a step further and manages the cluster environment as well as provides other managed services on top of the cluster. Unlike an Azure Kubernetes cluster, where you must still manage the cluster, an Azure Container Apps instance removes some of the complexity to setting up a Kubernetes cluster.

The screenshot shows the Microsoft Azure portal interface for a Container App named "my-app". The left sidebar lists various management options: Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, Application, Settings, Networking, Security, Monitoring, Automation, and Help. The main content area is titled "Overview" and contains the following details:

Essentials	Value
Resource group (move)	az104-rg9
Status	Running
Location (move)	East US
Subscription (move)	Azure subscription 1
Subscription ID	9889ebc0-ca1f-4e0d-8116-0764f6dbd196
Aspire Dashboard	Not yet active (set up)
Tags (edit)	Add tags

Below the essentials section, there are three tabs: Get started (selected), Properties, and Monitoring.

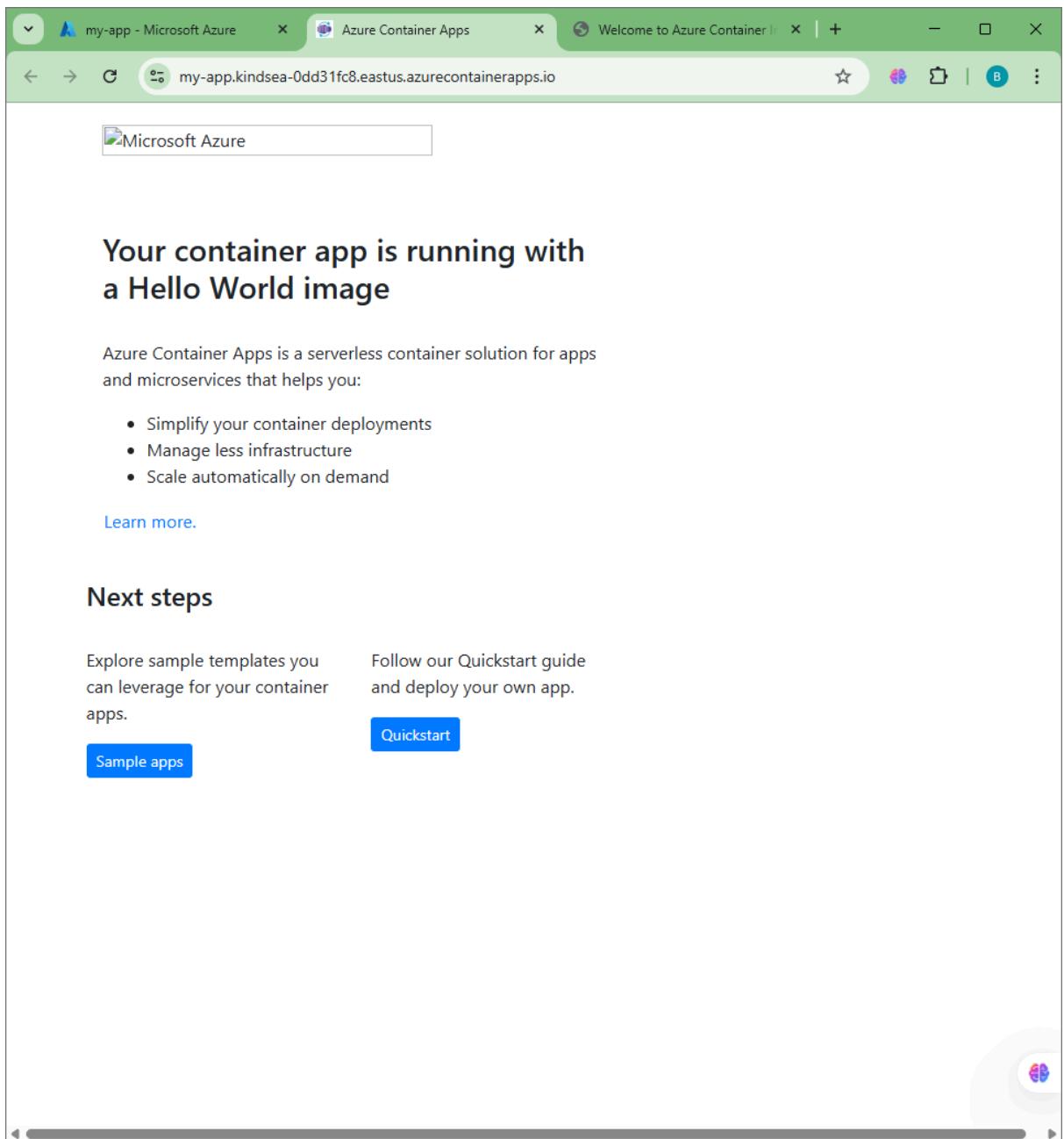
Discover Azure Container Apps Features

- Upload artifact**: Upload an executable JAR file from your computer, then Container Apps will build it into a container image and deploy it as a new app. [Upload](#)
- Manage your app with revisions**: Use revisions for immutable snapshots of your app to manage versions, split and direct traffic, support blue-green deployments, and more. [Learn more](#)
- Set up continuous deployment**: Set up GitHub Actions for automatic deployment of the container image and the application code. [Learn more](#)

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

By default, the Azure container app that you create will accept traffic on port 80 using the sample Hello World application. Azure Container Apps will provide a DNS name for the application. Copy and navigate to this URL to ensure that the application is up and running.



The screenshot shows a web browser window with three tabs:

- my-app - Microsoft Azure
- Azure Container Apps
- Welcome to Azure Container ...

The active tab is "my-app - Microsoft Azure". The address bar shows the URL: my-app.kindsea-0dd31fc8.eastus.azurecontainerapps.io. The main content area displays the following message:

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](#)

1.

overall

az104-rg9 - Microsoft Azure Azure Container Apps Welcome to Azure Container... - X

portal.azure.com/#@vladkeeksgmail.onmicrosoft.com/resource/subscriptions/9889ebc...

Microsoft Azure Search resources, services, and docs (G+) Copilot

Home > Resource Manager | Resource groups >

az104-rg9 Resource group

Help me generate Terraform for this resource group configuration. +2

Search Create Manage view Delete resource group Refresh Group by none

Overview Essentials JSON View

Activity log Subscription (move) Deployments
Access control (IAM) Azure subscription 1 2 Succeeded
Tags Subscription ID Location
Resource visualizer 9889ebc0-ca1f-4e0d-8116-0764f6dbd196 East US
Events Tags (edit)
Add tags

Settings

Deployments Resources Recommendations

Filter for any field... Type equals all Location equals all Add filter

	Name ↑	Type	Location
<input type="checkbox"/>	ASP-az104rg9-a859	App Service plan	Canada Central
<input type="checkbox"/>	az104-c1	Container instances	East US
<input type="checkbox"/>	coolname	App Service	Canada Central
<input type="checkbox"/>	staging (coolname/staging)	App Service (Slot)	Canada Central
<input type="checkbox"/>	my-app	Container App	East US
<input type="checkbox"/>	my-environment	Container Apps Env...	East US
<input type="checkbox"/>	test-01unique	Azure Load Testing	East US
<input type="checkbox"/>	workspaceaz104rg9b904	Log Analytics work...	East US

Showing 1 - 8 of 8. Display count: auto

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