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Інформатика і програмування

Лабораторна робота No 9с

Тема: Implement Azure Container Apps

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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 displays the Microsoft Azure portal interface for a Container App named 'my-app'. The browser address bar shows the URL: `portal.azure.com/#@vladkeeksgmail.onmicrosoft.com/resource/subscriptions/9889ebc...`. The page title is 'my-app - Microsoft Azure'. The main navigation bar includes the 'Microsoft Azure' logo, a search bar, and a 'Copilot' button. The breadcrumb trail indicates the path: Home > Microsoft.App-ContainerApp-Portal-be981944-a45b | Overview >.

The 'my-app' Container App overview page is shown. It includes a search bar, action buttons (Stop, Refresh, Delete, Send us your feedback), and a left-hand navigation menu with the following items: Overview (selected), Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, Application, Settings, Networking, Security, Monitoring, Automation, and Help.

The 'Essentials' section displays key information about the app:

- 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](#)
- Application Url: <https://my-app.kindsea-0dd31fc8.eastus.azurecontainerapps.io/>
- Container Apps Environment: [my-environment](#)
- Environment type: Workload profiles
- Log Analytics: [workspaceaz104rg9b904](#)
- Development stack: Generic ([manage](#))

Below the Essentials section, there are tabs for 'Get started' (selected), 'Properties', and 'Monitoring'.

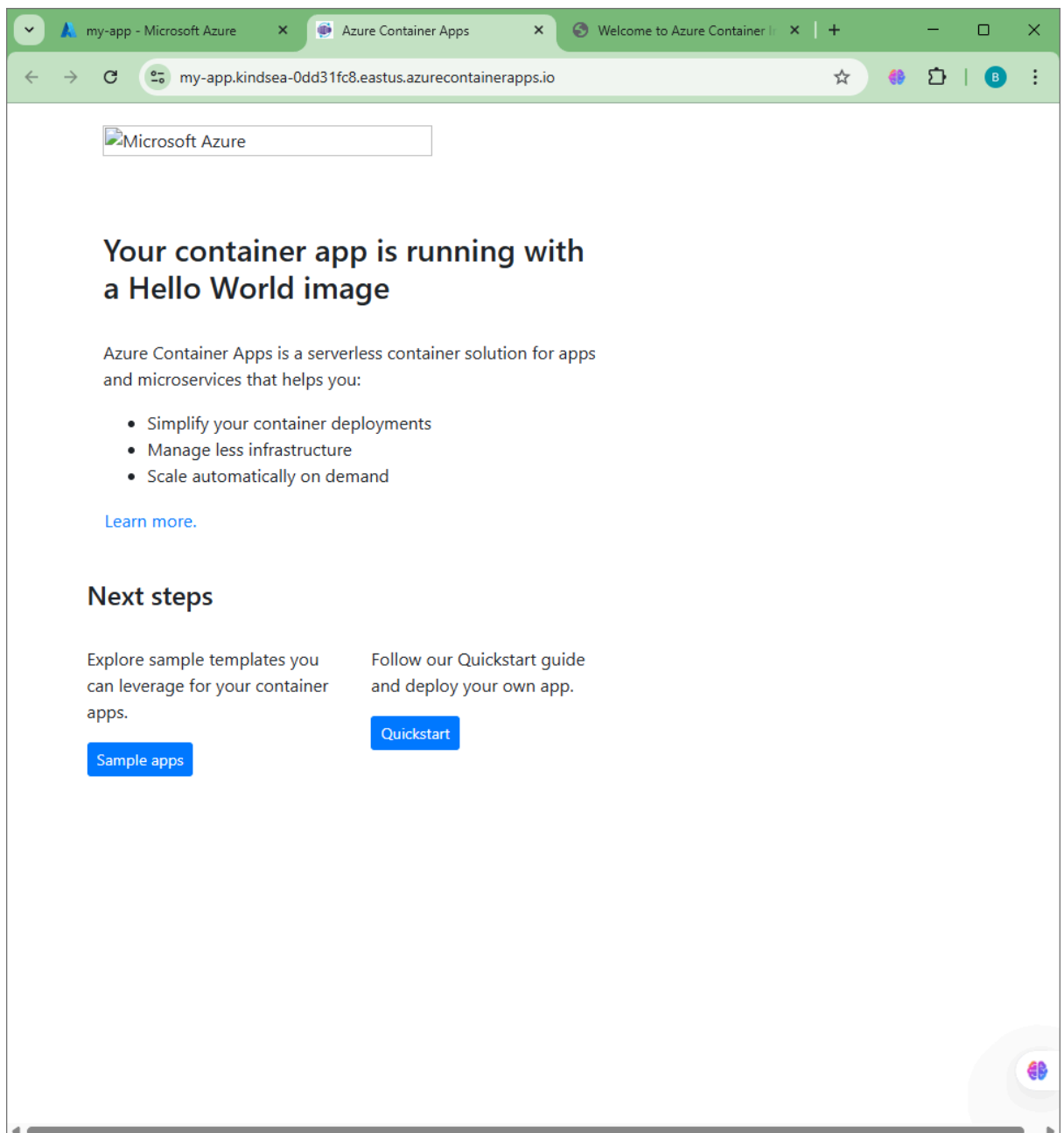
The 'Discover Azure Container Apps Features' section highlights three key capabilities:

- 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](#)

At the bottom left, a small note reads: 'Add or remove favorites by pressing Ctrl+Shift+F'.

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.



1.

overall

az104-rg9 - Microsoft Azure

Azure Container Apps

Welcome to Azure Container I

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

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Settings

Deployments

Security

Deployment stacks

Policies

Properties

Locks

Cost Management

Monitoring

Automation

Help

Essentials

Subscription (move)

Azure subscription 1

Subscription ID

9889ebc0-ca1f-4e0d-8116-0764f6dbd196

Deployments

2 Succeeded

Location

East US

Tags (edit)

Add tags

JSON View

Resources

Recommendations

Filter for any field...

Type equals all

Location equals all

Add filter

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

Showing 1 - 8 of 8. Display count: auto

Give feedback

Add or remove favorites by pressing Ctrl+Shift+F