

Chapter 1: Get started with cloud native apps and containerized deployments

Introduction

Examine cloud-native apps

Examine deployment options for cloud-native apps

Review an Azure Container Apps solution architecture and resources

Knowledge check

Summary

Chapter 2: Configure Azure Container Registry for container app deployments

Introduction

Review the Azure Container Registry service

Create a container registry instance in the Azure portal

Examine registry operations for image management

Examine authentication with managed ident

Examine Azure Container Registry roles and permissions

Examine secure communications using virtual networks

Knowledge check

Summary

Chapter 3: Configure a container app in Azure Container Apps

Introduction

Review the Azure Container Apps service

Examine Azure Container Apps containers and containers registries

Create a container app and container app environment

Examine managed identities in Azure Container Apps

Examine ingress in Azure Container Apps

Examine the management of secrets in Azure Container Apps

Examine the storage mounts in Azure Container Apps

Examine cloud service connections in Azure Container Apps

Knowledge check

Summary

Chapter 4: Configure continuous deployment for container apps

Introduction

Review continuous deployment options for container apps

Examine Azure DevOps and Azure Pipelines

Examine Azure Pipeline configuration and deployment tasks

Examine agents and agent pools for pipelines

Examine environment and secret variables for pipelines

Knowledge check

Summary

Chapter 5: Scale and manage deployed container apps

Introduction

Examine revisions in Azure Container Apps

Examine application lifecycle management in Azure Container Apps

Examine scaling options in Azure Container Apps

Examine ingress settings for traffic-splitting and blue-green deployments

Knowledge check

Summary

Chapter 6: Guided project - Deploy and manage a container app using Azure Container Apps

Introduction

Prepare your app deployment tools and resources

Exercise - Configure Azure Container Registry for a secure connection with Azure Container Apps

Exercise - Create and configure a container app in Azure Container Apps

Exercise - Configure continuous integration by using Azure Pipelines

Exercise - Manage revisions in Azure Container Apps

Knowledge check

Summary