

AZ - 2003 : Deploy cloud-native apps using Azure Container Apps

Course Outline

Module 1: Get Started with Cloud-Native Apps and Containerized Deployments

Lessons:

- Examine the concept of cloud-native applications
- Explore the benefits and challenges of containerized deployments
- Explore different deployment options and strategies for cloud-native applications
- Examine best practices for managing and scaling containerized deployments in Azure

Module 2: Configure Azure Container Registry for Container App Deployments

Lessons:

- Examine Azure Container Registry and its role in container app deployments
- Learn how to create and configure an Azure Container Registry
- Examine the process of pushing container images to Azure Container Registry
- Explore different authentication methods and security features for Azure Container Registry

Module 3: Configure a Container App in Azure Container Apps

Lessons:

- Examine the features and capabilities of Azure Container Apps
- Learn how to create and configure an Azure Container App and Container Apps Environment using the Azure portal
- Examine how to define and manage environment variables for Azure Container Apps
- Learn how to configure ingress options for Azure Container Apps
- Explore the process of scaling and managing instances of Azure Container Apps
- Understand the security considerations and best practices for configuring Azure Container Apps

Module 4: Configure Continuous Deployment for Container Apps

Lessons:

- Examine deployment options and strategies for containerized applications
- Examine the features and capabilities of Azure DevOps and Azure Pipelines
- Learn how to set up automated build and deployment pipelines for container apps using Azure DevOps
- Examine how to configure agent pools and secret variables for pipelines

Module 5: Scale and Manage Deployed Container Apps

Lessons:

- Examine the concept of revisions in Azure Container Apps
- Examine the options for application lifecycle management in Azure Container Apps
- Learn about the scaling options available for Azure Container Apps
- Learn about the ingress settings and traffic-splitting for Azure Container Apps

Module 6: Guided Project - Deploy and Manage a Container App Using Azure Container Apps

Lessons:

- Configure Azure Container Registry, Azure Container Apps, and other resources required for an app deployment scenario
- Configure Azure Pipelines for a continuous integration scenario
- Configure Azure Container Apps for scaling and revision management

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