

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

### Content

#### **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
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#### **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
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#### **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
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#### **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
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## **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
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## **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