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

Category: Cloud Platforms | **Vendor:** Microsoft Technical

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Applied Skills: Deploy cloud-native apps using Azure Container Apps
Related Exam:	AZ-2003

Course Overview

Develop the skills necessary to configure a secure deployment solution for cloud-native apps. Learn how to build, deploy, scale, and manage containerized cloud-native apps using Azure Container Apps, Azure Container Registry, and Azure Pipelines.

About This Course

Develop the skills necessary to configure a secure deployment solution for cloud-native apps. Learn how to build, deploy, scale, and manage containerized cloud-native apps using Azure Container Apps, Azure Container Registry, and Azure Pipelines.

Who Should Attend

Basic understanding of cloud computing concepts: Familiarity with cloud computing fundamentals, such as virtualization, scalability, and on-demand resource provisioning., Knowledge of containers: Understanding the concept of containers, their benefits, and how they differ from traditional apps and virtual machines., Familiarity with container orchestration: Basic understanding of container orchestration platforms like Kubernetes and their role in managing containerized applications., Experience with Azure: Some familiarity with Microsoft Azure and its core container services, such as Azure Container Registry, Azure Kubernetes Service, and Azure Container Apps., Experience with deployments: Some familiarity with Azure DevOps or similar CI/CD tools for application deployment., Experience with networks: Some familiarity with networking concepts and Azure Virtual Networks.

Prerequisites & Entry Requirements

General Prerequisites:

- Basic understanding of cloud computing concepts: Familiarity with cloud computing fundamentals, such as virtualization, scalability, and on-demand resource provisioning.
- Knowledge of containers: Understanding the concept of containers, their benefits, and how they differ from traditional apps and virtual machines.
- Familiarity with container orchestration: Basic understanding of container orchestration platforms like Kubernetes and their role in managing containerized applications.
- Experience with Azure: Some familiarity with Microsoft Azure and its core container services, such as Azure Container Registry, Azure Kubernetes Service, and Azure Container Apps.
- Experience with deployments: Some familiarity with Azure DevOps or similar CI/CD tools for application deployment.
- Experience with networks: Some familiarity with networking concepts and Azure Virtual Networks.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Course ObjectivesGet started with cloud native apps and containerized deploymentsConfigure Azure Container Registry for container app deploymentsConfigure a container app in Azure Container AppsConfigure continuous deployment for container appsScale and manage deployed container appsGuided project - Deploy and manage a container app using Azure Container Apps, Course ObjectivesGet started with cloud native apps and containerized deploymentsConfigure Azure Container Registry for container app deploymentsConfigure a container app in Azure Container AppsConfigure continuous deployment for container appsScale and manage deployed container appsGuided project - Deploy and manage a container app using Azure Container Apps, Course ObjectivesGet started with cloud native apps and containerized deploymentsConfigure Azure Container Registry for container app deploymentsConfigure a container app in Azure Container AppsConfigure continuous deployment for container appsScale and manage deployed container appsGuided project - Deploy and manage a container app using Azure Container Apps, Course ObjectivesGet started with cloud native apps and containerized deploymentsConfigure Azure Container Registry for container app deploymentsConfigure a container app in Azure Container AppsConfigure continuous deployment for container appsScale and manage deployed container appsGuided project - Deploy and manage a container app using Azure Container Apps, Course ObjectivesGet started with cloud native apps and containerized deploymentsConfigure Azure Container Registry for container app deploymentsConfigure a container app in Azure Container AppsConfigure continuous deployment for container appsScale and manage deployed container appsGuided project - Deploy and manage a container app using Azure Container Apps, Course ObjectivesGet started with cloud native apps and containerized deploymentsConfigure Azure Container Registry for container app deploymentsConfigure a container app in Azure Container AppsConfigure continuous deployment for container appsScale and manage deployed container appsGuided project - Deploy and manage a container app using Azure Container Apps, Course ObjectivesGet started with cloud native apps and containerized deploymentsConfigure Azure Container Registry for container app deploymentsConfigure a container app in Azure Container AppsConfigure continuous deployment for container appsScale and manage deployed container appsGuided project - Deploy and manage a container app using Azure Container Apps

Detailed Course Outline

1 - Get started with cloud native apps and containerized deployments

- Examine cloud-native apps
- Examine deployment options for cloud-native apps
- Review an Azure Container Apps solution architecture and resources
- Module assessment

2 - Configure Azure Container Registry for container app deployments

- 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 identity
- Examine Azure Container Registry roles and permissions
- Examine secure communications using virtual networks
- Module assessment

3 - Configure a container app in Azure Container Apps

- 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
- Module assessment

4 - Configure continuous deployment for container apps

- 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
- Module assessment

5 - Scale and manage deployed container apps

- 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
- Module assessment

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

- Prepare your app deployment tools and resources
- Module assessment

, Get started with cloud native apps and containerized deployments, Configure Azure Container Registry for container app deployments, Configure a container app in Azure Container Apps, Configure continuous deployment for container apps, Scale and manage deployed container apps, Guided project - Deploy and manage a container app using Azure Container Apps

□□ Certification Path

Microsoft Applied Skills: Deploy cloud-native apps using Azure Container Apps

Exam: AZ-2003

Upcoming Schedule

Available training dates for AZ-2003 Deploy cloud-native apps using Azure Container Apps:

Start Date	End Date	Location	Delivery	Price
15 Jan 2027	15 Jan 2027	Online	Virtual	€695.00

Frequently Asked Questions

Q: What delivery options are available for AZ-2003 Deploy cloud-native apps using Azure Container Apps?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The AZ-2003 Deploy cloud-native apps using Azure Container Apps course helps prepare you for the Microsoft Applied Skills: Deploy cloud-native apps using Azure Container Apps certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AZ-2003 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 1-day AZ-2003 Deploy cloud-native apps using Azure Container Apps course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AZ-2003 Deploy cloud-native apps using Azure Container Apps training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AZ-2003 Deploy cloud-native apps using Azure Container Apps?

Yes, we provide corporate training, dedicated training, and closed classes for AZ-2003 Deploy cloud-native apps using Azure Container Apps. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: AZ-2003: Deploy Cloud-Native Apps Using Azure Container Apps, Microsoft, vILT, AZ-2003

Q: Why choose Nexus Human for AZ-2003 Deploy cloud-native apps using Azure Container Apps?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AZ-2003 Deploy cloud-native apps using Azure Container Apps training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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