

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

Duration: 1 day

Audience: Professionnel TI

Who is this training for?

This course is designed for students who are planning to take the Deploy cloud-native apps using Azure Container Apps assessment, or students who are managing containerized app deployments using Azure Pipelines and Azure Container Apps in their day-to-day job.

This course helps learners progress in the Azure DevOps role.

Training objectives

By the end of this course, students will be able to:

- Develop the skills necessary to configure a secure deployment solution for cloud native apps
- Build, deploy, scale, and manage containerized cloud native apps using Azure Container Apps.
- Configure Azure Container Registry for container app deployments
- Create, configure, scale, and manage container apps in Azure Container Apps
- Automate deployments using Azure Pipelines for container apps

Summary

Applied Skills training courses are designed to validate specific skills by being oriented towards real-world scenarios. They offer a targeted alternative to traditional role-based certifications, with a focus on applying technical skills in real-world business situations. Develop the skills to set up a secure deployment solution for cloud-native applications. Learn how to build, deploy, scale, and manage containerized cloud-native applications using Azure Container Apps, Azure Container Registry, and Azure Pipelines.

Course outline

Learning Path — Deploy cloudbnative apps using Azure Container Apps

- Module 1 — Get started with cloud native apps and containerized deployments
- Module 2 — Configure Azure Container Registry for container app deployments
- Module 3 — Configure a container app in Azure Container Apps
- Module 4 — Configure continuous deployment for container apps
- Module 5 — Scale and manage deployed container apps
- Module 6 — Guided project: Deploy and manage a container app using Azure Container Apps

Approach and methodology

Practical and structured approach combining focused theory and guided workshops. Participants gradually deploy and manage cloud-native applications using Azure Container Apps through real-world exercises inspired by real-world scenarios, promoting immediate application of learnings.

They learn how to orchestrate, secure, and scale containerized applications in a modern cloud environment.

Led by a Microsoft-certified trainer, the training focuses on interactivity and the development of directly transferable technical skills to design and operate cloud-native solutions in a professional context.

Prerequisites

Students should have the Following knowledge and experience before attending this course:

- Practical experience completing Azure administration tasks is recommended.
- Some experience performing the deployment tasks typically assigned to a DevOps Engineer.
- Some experience using Azure Container Registry and Azure Container Apps is beneficial.

Recommendations

- Basics in application development (APIs, microservices)
- Knowledge of containers (Docker)

- Understanding of cloud and Azure concepts Notions of cloud-native architecture (scalability, resiliency)
- Familiarity with DevOps principles (CI/CD)