



MICROSOFT TRAINING

40512: Microsoft Cloud Workshop: App Modernization Course Overview

Master app modernization techniques in this Microsoft Cloud Workshop. Transform legacy applications into scalable, high-performing cloud solutions.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The "40512: Microsoft Cloud Workshop: App Modernization Course Overview" provides a concise yet comprehensive introduction to the strategies and technologies involved in transforming legacy applications for the cloud. In just two hours, participants will gain a strategic understanding of why app modernization is crucial for business agility, scalability, and innovation in today's digital landscape. This workshop focuses on conceptual frameworks, demonstrating how Microsoft Azure's extensive suite of services can facilitate the journey from monolithic applications to agile, cloud-native architectures.

This course demystifies the various approaches to modernizing applications, including containerization with Azure Kubernetes Service (AKS), leveraging serverless functions with Azure Functions, and optimizing web applications using Azure App Service. Attendees will also explore how integrating Azure DevOps practices can accelerate development cycles and ensure continuous delivery. The primary benefit of this overview is to equip IT professionals with the foundational knowledge to articulate modernization strategies, identify suitable Azure services for different scenarios, and confidently plan the initial phases of their organization's app transformation journey.

By completing this workshop, you will be better prepared to contribute to or lead discussions around migrating and enhancing applications, ensuring they are resilient, performant, and cost-effective in the Microsoft Azure cloud ecosystem. It's an essential starting point for anyone looking to understand the breadth of opportunities presented by modernizing applications with Microsoft technologies.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Understanding Application Modernization and its Value

- Defining application modernization: Drivers and benefits
- Challenges of traditional applications in a cloud-first world
- Introduction to cloud-native principles and architecture
- Overview of Microsoft's vision for app modernization

02 Module 2: Core Strategies for Modernizing Applications on Azure

- Common modernization patterns: Rehost, Refactor, Rearchitect, Rebuild
- Leveraging Azure App Service for existing web applications
- Containerization with Azure Kubernetes Service (AKS) for microservices
- Serverless computing with Azure Functions and Logic Apps

03 Module 3: Accelerating Modernization with Azure DevOps

- Introduction to CI/CD pipelines for modern applications
- Automating deployments and infrastructure as code (IaC)
- Monitoring and observability for modernized applications with Azure Monitor
- Security considerations in cloud-native applications

04 Module 4: Workshop Recap and Strategic Next Steps

- Summary of key modernization concepts and Azure services

- Identifying appropriate modernization paths for various business scenarios
- Resources for deeper learning and hands-on implementation
- Planning your organization's app modernization journey

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Cloud Solutions Architect (focused on application modernization)**
- > **DevOps Engineer (specializing in cloud-native deployments)**
- > **Application Development Lead (guiding teams through modernization initiatives)**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge or prerequisites are recommended before attending this App Modernization Overview workshop?

While this is an overview, a basic understanding of cloud computing concepts and general application architecture is beneficial. Familiarity with Microsoft Azure services is helpful but not strictly required, as the workshop covers key Azure technologies relevant to app modernization at a high level.

Q: How will this 2-hour overview workshop help me initiate actual application modernization projects within my organization?

This workshop provides a strategic framework and introduces the core Microsoft Azure services essential for app modernization. You will learn the different approaches (e.g., rehost, refactor) and gain a clear understanding of which Azure tools (like AKS, App Service, Functions) are applicable to various modernization scenarios. This equips you to make informed decisions and begin outlining a modernization roadmap for your projects.

Q: Does this workshop cover specific coding techniques for refactoring applications, or is its focus more strategic and architectural?

The '40512: Microsoft Cloud Workshop: App Modernization Course Overview' is primarily strategic and architectural. It focuses on understanding the 'why' and 'what' of app modernization, and the 'how' in terms of Azure services and deployment strategies. It does not delve into specific coding techniques or hands-on code refactoring, but rather sets the stage for where those technical skills would be applied in a modernization effort.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

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Take the next step in your technology career.

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