

Microsoft Copilot for Azure

Course Objective: To teach participants how to use Microsoft Copilot for Azure to enhance cloud computing tasks, automate processes, and improve efficiency in Azure environments through AI-driven tools and applications.

Course Vendor: Microsoft (Unofficial)

Course Duration: 04 hours

Lab/Exercise: Yes

Lab Requirements:

Client needs to have their own Azure Copilot access on top of Azure OpenAI access via their organization subscription

Azure OpenAI access: <https://aka.ms/oai/access>

Azure Copilot access: <https://aka.ms/MSCopilotforAzurePreviewRequest>

If the participants do not have the access, trainer will demonstrate the use cases.

Why Choose Microsoft Copilot for Azure?

- **Intelligent Automation** - Automate repetitive tasks and manage your cloud infrastructure effortlessly with AI-driven insights and recommendations. Microsoft Copilot for Azure leverages advanced machine learning algorithms to help you optimize resource allocation, enhance performance, and reduce costs.

- **Proactive Security** - Stay ahead of potential threats with proactive security measures. Copilot continuously monitors your environment, detects vulnerabilities, and provides actionable insights to fortify your defenses. With built-in compliance checks, you can ensure your operations meet industry standards.
- **Enhanced Productivity** - Boost your team's productivity by automating routine tasks and providing instant access to relevant information. Copilot integrates seamlessly with your existing Azure tools and services, enabling you to focus on strategic initiatives and innovation.
- **Expert Guidance** - Receive expert guidance tailored to your unique needs. Copilot offers personalized recommendations based on your specific usage patterns, helping you make informed decisions and optimize your cloud strategy.

Key Features

- **AI-Powered Insights:** Get real-time analytics and actionable insights to improve efficiency and performance.
- **Automated Resource Management:** Automatically scale resources to meet demand and minimize costs.
- **Comprehensive Security Monitoring:** Detect and respond to security threats before they impact your operations.
- **Customizable Dashboards:** Create personalized dashboards to monitor and manage your cloud environment effectively.
- **Seamless Integration:** Easily integrate with existing Azure services and third-party applications.

Who Can Benefit?

- **IT Professionals:** Simplify complex cloud management tasks and enhance operational efficiency.
- **Developers:** Focus on building innovative solutions while Copilot handles infrastructure management.
- **Business Leaders:** Make data-driven decisions with comprehensive insights into your cloud operations.

Tech Stack To Be Covered



Copilot



Azure

Introduction to Microsoft Copilot for Azure

Module 01: Azure Copilot Overview

- Capabilities of Azure Copilot
- Responsible AI

Module 02: Scenario based Azure Copilot Use Cases

- Cloud Knowledge Extraction using NLP
- Deploying VMs
- Build Infrastructure and deploy workloads
- Get monitoring information
- Code optimization
- Work smarter with Azure Stack HCI
- Secure and protect storage accounts
- Troubleshoot deployed web apps
- Generate Azure CLI scripts
- Author API Management policies
- Generate Kubernetes YAML files

- Understand service health
- Analyze costs