

# Microsoft Copilot for Azure Training

**Course Duration: 04 Hours**

**Course Code: AZ-COP-101**

## 1. Course Overview

Microsoft Copilot for Azure Training is designed to help professionals leverage AI-powered assistance within Azure services. This course focuses on using Microsoft Copilot to simplify cloud operations, automate tasks, enhance productivity, and optimize resource management in Azure environments. Participants will gain hands-on experience in integrating AI with cloud workflows for faster and smarter decision-making.

## 2. What You'll Learn

- Introduction to Microsoft Copilot in Azure
- How AI enhances cloud productivity and automation
- Using Copilot for Azure resource management
- Writing prompts to manage Azure services efficiently
- Automating deployments and configurations
- Monitoring, troubleshooting, and optimization using AI
- Security and compliance with Copilot in Azure
- Real-world use cases and practical implementation

## 3. Target Audience

- Cloud Engineers & Azure Administrators
- DevOps Engineers
- IT Professionals managing Azure environments
- Solution Architects

- Developers working on Azure-based applications
- Beginners interested in AI-powered cloud tools

## 4. Pre-Requisites

- Basic understanding of cloud computing
- Familiarity with Microsoft Azure fundamentals
- Knowledge of Azure portal and services (recommended)
- Basic scripting knowledge (PowerShell or CLI is a plus)
- No prior AI experience required

## 5. Course Content

### **Module 1: Introduction to Microsoft Copilot**

- What is Microsoft Copilot?
- Overview of AI in Azure
- Benefits and use cases

### **Module 2: Getting Started with Copilot in Azure**

- Accessing Copilot in Azure portal
- Understanding interface and features
- Writing effective prompts

### **Module 3: Azure Resource Management with Copilot**

- Creating and managing resources
- Automating configurations
- Cost optimization strategies

### **Module 4: Deployment & Automation**

- Infrastructure as Code with Copilot

- Automating deployments
- CI/CD integration basics

### **Module 5: Monitoring & Troubleshooting**

- Using Copilot for diagnostics
- Log analysis and performance monitoring
- Issue resolution using AI insights

### **Module 6: Security & Compliance**

- Security best practices
- Managing identities and access
- Compliance monitoring with Copilot

### **Module 7: Real-World Use Cases**

- Business automation scenarios
- Productivity enhancement examples
- Case studies

### **Module 8: Hands-on Projects**

- Deploying resources using Copilot
- Automating workflows
- Monitoring and optimization tasks