



MICROSOFT TRAINING

Azure Copilot Training Course

Master Azure Copilot to revolutionize cloud management. Automate tasks, optimize resources, and enhance productivity in your Azure environment.

DURATION

24 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The Azure Copilot Training Course is an intermediate-level program designed to empower IT professionals with the skills to leverage Microsoft's cutting-edge AI assistant for enhanced productivity and innovation within the Azure cloud ecosystem. This intensive 24-hour course delves into the core functionalities of Azure Copilot, showcasing how generative AI and large language models (LLMs) can revolutionize the way you manage, develop, and optimize cloud resources. Participants will gain hands-on experience in interacting with Copilot to streamline complex tasks, generate code, troubleshoot issues, and derive actionable insights, making cloud operations more efficient and less prone to errors.

This course covers the practical application of Azure Copilot across various Azure services, emphasizing best practices for prompt engineering and integrating AI assistance into daily workflows. You will learn to navigate Copilot's capabilities for resource provisioning, cost optimization, security analysis, and accelerating development cycles within Azure DevOps and other tools. By mastering Azure Copilot, you will not only elevate your technical proficiency but also position yourself as a forward-thinking professional capable of harnessing the power of AI to drive strategic advantages and foster innovation in your organization's cloud strategy.

Upon completion, you will be equipped to significantly enhance your productivity, reduce operational overhead, and contribute to more agile and resilient cloud environments. This certification will be a testament to your ability to adapt to and lead in the rapidly evolving landscape of AI-driven cloud management and development.

Duration	24 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Foundations of Azure Copilot and AI in the Cloud

- Introduction to Generative AI and Large Language Models (LLMs)
- Understanding Azure Copilot: Vision, Architecture, and Core Capabilities
- The Role of AI in enhancing Azure management and development workflows
- Ethical AI principles and responsible use of Copilot in enterprise environments
- Setting up your environment for Azure Copilot interactions

02 Module 2: Mastering Azure Copilot for Cloud Administration

- Navigating Azure Copilot in the Azure Portal and Azure CLI
- Leveraging Copilot for resource provisioning, configuration, and governance
- AI-driven troubleshooting, diagnostics, and performance analysis of Azure services
- Optimizing cloud costs and security posture with Copilot insights and recommendations
- Managing Azure policies and compliance with AI assistance

03 Module 3: Accelerating Development with Azure Copilot

- Integrating Copilot with development workflows (e.g., Azure DevOps, Visual Studio Code)
- AI-assisted code generation, refactoring, and debugging for various languages
- Generating comprehensive documentation and robust test cases with Copilot
- Best practices for prompt engineering to maximize development efficiency
- Collaborative coding and code review enhancements using Copilot

04 Module 4: Extending and Customizing Azure Copilot

- Understanding Copilot extensibility models (e.g., plugins, custom connectors)
- Connecting Copilot to enterprise data sources and internal services
- Building custom prompts and scenarios for specific business needs and industry verticals
- Governance, security, and management of Copilot deployments and customizations
- Future trends and advanced applications of AI in cloud operations

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Solutions Architect (AI-Enhanced)**
- > **Cloud DevOps Engineer (with AI Automation)**
- > **Azure AI Engineer/Developer**

FREQUENTLY ASKED QUESTIONS

Q: What specific Azure services will I learn to manage and optimize more efficiently using Azure Copilot after completing this course?

Upon completing this course, you will be proficient in using Azure Copilot to enhance management and optimization across a broad spectrum of Azure services. This includes infrastructure services like Virtual Machines and Virtual Networks, platform services such as Azure App Service, Azure SQL Database, and Azure Kubernetes Service, as well as core services like Azure Storage, Azure Monitor, and Azure Active Directory. You'll gain skills in AI-assisted provisioning, configuration, troubleshooting, cost analysis, and security insights for these services, enabling more efficient and intelligent cloud operations.

Q: What foundational knowledge or prerequisites are recommended to maximize my learning experience in the Azure Copilot Training Course?

To get the most out of this Azure Copilot Training Course, it is highly recommended that participants possess an intermediate understanding of Azure administration and/or development concepts. Familiarity with the Azure Portal, basic Azure CLI commands, and general cloud computing principles will be beneficial. While direct AI/ML experience is not strictly required, a conceptual understanding of what AI and machine learning entail will help you grasp Copilot's underlying mechanisms more quickly.

Q: Beyond administrative tasks, how will this course equip me to leverage Azure Copilot for strategic decision-making and innovation within my organization?

This course goes beyond basic task automation by empowering you to use Azure Copilot for strategic insights and fostering innovation. You will learn to use Copilot to analyze trends, predict potential operational issues, identify optimization opportunities for cost and performance, and generate innovative architectural solutions. By harnessing AI-driven analytics and insights, you will be able to make more informed strategic decisions, contribute to developing cutting-edge cloud solutions, and proactively drive a culture of AI-assisted innovation within your organization.

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+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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