



MICROSOFT TRAINING

# MS-4010: Build Plugins and Connectors for Microsoft Copilot for Microsoft 365

*Build powerful plugins and connectors for Microsoft Copilot for Microsoft 365. Master MS-4010 skills to extend Copilot's capabilities.*

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DURATION

**2 hours**

LEVEL

**Intermediate**

FORMAT

**Instructor-Led**

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- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | [www.computer-pride.co.ke](http://www.computer-pride.co.ke)

## COURSE OVERVIEW

This intermediate-level course, MS-4010, is meticulously designed for developers and IT professionals seeking to harness the full power of Microsoft Copilot for Microsoft 365 by building custom plugins and connectors. Participants will delve into the core architectural components of Copilot's extensibility model, learning to integrate enterprise data, automate workflows, and create intelligent agents that seamlessly interact with various Microsoft 365 applications like Teams, SharePoint, and the Power Platform. The curriculum focuses on practical, hands-on development using technologies such as the Microsoft Graph API, Adaptive Cards, and the Teams Toolkit to construct sophisticated extensions that enhance Copilot's analytical and generative AI capabilities.

By mastering the creation and deployment of tailored Copilot plugins and connectors, students will unlock significant professional benefits. This specialization allows IT professionals to empower their organizations with bespoke AI solutions, significantly boosting productivity, streamlining complex business processes, and ensuring data accuracy and compliance within the Microsoft 365 ecosystem. Graduates will be equipped to transform how users interact with information and applications, driving innovation and solidifying their role as indispensable experts in the rapidly evolving landscape of AI-powered workplace solutions.

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|-----------|--------------|
| Duration  | 2 hours      |
| Level     | Intermediate |
| Vendor    | Microsoft    |
| Exam Code | MS-4010      |

## COURSE CURRICULUM

### 01 Module 1: Introduction to Microsoft Copilot Extensibility

- Understanding Microsoft Copilot's architecture and capabilities
- Overview of the Copilot extensibility model (plugins, connectors)
- Identifying use cases for custom Copilot extensions
- Setting up your development environment for Copilot plugins

### 02 Module 2: Developing with Microsoft Graph Connectors

- Introduction to Microsoft Graph Connectors for data ingestion
- Designing and implementing custom Graph Connectors
- Ingesting external data into Microsoft 365 for Copilot indexing
- Managing schema and content for effective search and AI interaction

### 03 Module 3: Building Copilot Plugins with Message Extensions

- Deep dive into Microsoft Teams Message Extensions as Copilot plugins
- Creating intelligent message extensions using Adaptive Cards
- Integrating existing APIs and services into Copilot plugins
- Handling user input and responses within the Copilot interface

### 04 Module 4: Leveraging Power Platform for Copilot Extensibility

- Extending Copilot capabilities with Power Platform connectors
- Building custom connectors for Power Automate and Power Apps
- Orchestrating complex workflows and data operations for Copilot
- Utilizing Dataverse for robust data storage and retrieval

## 05 Module 5: Security, Testing, and Deployment

- Implementing security best practices for Copilot plugins and connectors
- Authentication and authorization with Azure Active Directory
- Strategies for testing and debugging Copilot extensions
- Deployment and lifecycle management of Copilot solutions

## 06 Module 6: Advanced Scenarios and Best Practices

- Optimizing plugin performance and user experience
- Ethical considerations and responsible AI development for Copilot
- Monitoring and troubleshooting deployed Copilot extensions
- Exploring future trends in Copilot and M365 extensibility

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Microsoft 365 AI Solutions Architect**
- > **Enterprise AI Integration Developer**
- > **Intelligent Automation Engineer (Microsoft 365 focus)**

## FREQUENTLY ASKED QUESTIONS

### **Q: What are the prerequisites for this MS-4010 course, particularly regarding development experience or knowledge of Microsoft 365 services?**

This course is designed for individuals with an intermediate understanding of software development principles, including experience with C# or JavaScript/TypeScript. Prior familiarity with Microsoft 365 administration, Microsoft Graph API, and basic concepts of Azure Active Directory (Azure AD) is highly recommended. While not strictly mandatory, a foundational understanding of Power Platform (Power Automate, Power Apps) will also be beneficial.

### **Q: How does mastering Copilot plugin and connector development specifically enhance my career prospects in the realm of AI and enterprise productivity?**

Successfully completing this MS-4010 course positions you as a specialist in a rapidly growing and high-demand area: integrating advanced AI with enterprise applications. You will gain unique skills in building custom AI-driven solutions that directly improve business processes, automate tasks, and surface critical information within Microsoft 365. This expertise is crucial for roles focused on digital transformation, AI adoption, and maximizing productivity in modern workplaces, making you an invaluable asset to organizations leveraging Microsoft's AI capabilities.

### **Q: Beyond basic integration, what advanced techniques or unique solutions will I learn to implement for Copilot using the skills from this course?**

This course goes beyond basic integrations by teaching you to build intelligent, context-aware plugins that respond dynamically to user queries. You will learn to leverage Adaptive Cards for rich, interactive user experiences within Copilot, integrate complex LOB (Line-of-Business) applications through custom Graph Connectors, and orchestrate sophisticated multi-step workflows using Power Platform connectors. Furthermore, you'll gain expertise in securing these extensions, ensuring data privacy and compliance while delivering truly transformative AI-driven solutions.

## 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.

#### Location

1st Flr, ICEA Building  
Kenyatta Ave, Nairobi

#### Email

[info@computer-pride.co.ke](mailto:info@computer-pride.co.ke)

#### Phone

+254 705 900 900

[www.computer-pride.co.ke](http://www.computer-pride.co.ke)