

Workshop - GitHub - Copilot for Developers Intermediate



Workshop

Duration: 1 Day [Remote | Onsite]

Difficulty Level: 200 - Intermediate

Description

GitHub Copilot is an AI-powered tool that assists developers in writing code. It analyzes the context in the file you are editing, as well as related files, and offers suggestions from within your Integrated Development Environment (IDE). GitHub Copilot also offers additional features such as Copilot Chat, which can be used to ask and receive answers to coding-related questions.

In this course, GitHub's experts will equip your team with the knowledge of GitHub Copilot's core features, best practices, prompt/context engineering, Copilot Spaces, Copilot coding agent, Model Context Protocol (MCP), and advanced use cases. This course is workshop-driven to ensure that participants get hands-on experience applying the different capabilities of GitHub Copilot.

Key Features and Benefits

Some of the benefits of adopting GitHub Copilot are:

- Increase efficiency: With the help of GitHub Copilot, developers can write code more quickly and efficiently.
- Improve code quality: GitHub Copilot can suggest code snippets and offer guidance on best practices.
- Reduce repetitive tasks: GitHub Copilot can help developers spend less time on creating boilerplate, freeing up time to work on more important tasks.
- Improve developer onboarding: GitHub Copilot can help developers quickly get up-to-speed on a new codebase

Objectives

- Build the digital skills you need for successful digital transformation
- Establish a skilling plan to best leverage developers in your organization
- Enable developers to address Cloud Challenges via DevSecOps maturity and new ways of working

Outcomes

After completing this training, developers will be able to:

- Integrate key features of GitHub Copilot in their daily work
- Write code faster and with less context switching
- Improve the developer experience and reduce context switching
- Focus more time on important tasks instead of boilerplate
- Apply context/prompt engineering best practices for better suggestions
- Leverage Copilot coding agent with MCP (Model Content Protocol)
- Onboard onto a new, unfamiliar codebase with less effort

Methodology

Instructor-led delivery

Training for this offering will cover various aspects related to using GitHub Copilot Artificial Intelligence-powered tool to assist developers in writing code.

Target Audience

- Developers
- Team Leads
- Development Leaders
- Project Managers

Agenda

This engagement will consist of one session covering the following topics:

- GitHub Copilot Introduction
- GitHub Copilot Features
- GitHub Copilot Prompt/Context engineering
- Customizing GitHub Copilot
- Model Context Protocol (MCP)
- GitHub Copilot Spaces
- GitHub Copilot coding agent
- Coding agent with MCP
- Hands-on workshops

The session includes demos throughout.

Prerequisites

- GitHub Enterprise Cloud Account
- GitHub Copilot Business or Enterprise license
- Visual Studio Code, Visual Studio, JetBrains, Neovim, Eclipse, Xcode, or a supported integrated development environment (IDE).
- GitHub Copilot extension/plugin installed on participants' IDE(s)

If you are interested in this engagement for your organization, contact your Microsoft Account Representative.