

# Workshop - Agentic DevOps & GitHub Copilot Deep Dive



## Workshop

**Duration:** 1-2 Days [ Remote | Onsite ]

**Difficulty Level:** 300 - Advanced

### Description

GitHub Copilot pairs AI-assisted code completion and AI agent with practical, hands-on instruction to help developers write better code faster. This workshop focuses on "Agentic DevOps" — the practice of safely using autonomous agents and AI-driven workflows to automate tasks across the software delivery lifecycle — and a deep dive into GitHub Copilot's advanced capabilities, integrations, and prompt-engineering techniques. Attendees will learn how to apply agentic patterns to SDLC including code review, code enhancement and security implications.

### Objectives

- Understand new advanced features that improve or impact GitHub Copilot
- Incorporate those features into their developer experience
- How to better use Agent in the SDLC workflow

### Outcomes

- Enhanced digital cloud capabilities and digital skills that enable developers to write software with the assistance of AI-powered tools.
- Gain knowledge of GitHub Copilot advanced features to improve the developer experience.

### Methodology

#### Learn by example

You will participate in group discussions and learn through presentations and demonstrations.

#### Scope

The offering will help the customers learn on GitHub Copilot agentic features and advance topics.

#### Out of Scope

While the offering will be applicable to the GitHub Copilot Individual SKU, it is not intended for this product SKU.

### Agenda

- Gain efficiency with GitHub Copilot's advanced features and agentic patterns.
- Incorporate those features into their developer experience
- Understand the prompt engineering techniques to get the most out of GitHub Copilot and agents.

### Requirements

#### Participants

- Developers
- Team Leads
- Development Leaders
- Administrators
- DevOps team

#### Skill Requirements

- Basic understanding of the GitHub platform.
- Intermediate knowledge of GitHub Copilot and its features.
- Basic DevOps concepts familiarity
- Familiarity with at least one supported programming language and IDE.

#### Delivery Requirements

- Microsoft Teams for remote delivery.
- GitHub Enterprise Cloud Account.
- GitHub Copilot enabled.
- Visual Studio Code, Visual Studio, or other GitHub Copilot supported development environments (IDEs).
- GitHub Copilot extension installed on participants' IDE(s).

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