**Percipio: Introduction to Github Copilor – Microsoft Learn**

https://learn.microsoft.com/en-us/training/modules/introduction-to-github-copilot

**// 101 Introduction**

GitHub Copilot uses the OpenAI Codex to suggest code and entire functions in real-time, right from your editor.

OpenAI created GitHub Copilot's generative pretrained language model, powered by OpenAI Codex.

**Prerequisites >>**

*Awareness that when you sign up for the free trial of GitHub Copilot, you're asked to submit a form of payment even though you aren't charged until the free trial is over. Ensure you cancel before the 30 days is over to avoid payment.*

**// 102 GitHub Copilot, your AI pair programmer**

**GitHub Copilot Features**

1. **A ChatGPT-like experience in your editor with GitHub Copilot Chat**

GitHub Copilot brings a chat interface to the editor that’s focused on developer scenarios and natively integrates with VS Code and Visual Studio. It recognizes what code a developer has typed, what error messages are shown, and it’s deeply embedded into the IDE. A developer can get in-depth analysis and explanations of what code blocks are intended to do, generate unit tests, and even get proposed fixes to bugs.

1. **Copilot for Pull Requests**

This new functionality is powered by OpenAI’s new GPT-4 model and adds support for AI-powered tags in pull-request descriptions through a GitHub app that organization admins and individual repository owners can install. These tags are automatically filled out by GitHub Copilot based on the changed code. Developers can then review or modify the suggested description.

1. **AI-generated answers about documentation**

A chat interface to provide users with AI-generated responses to questions about documentation, including questions developers have about the languages, frameworks, and technologies they're using

1. **Copilot for the command line interface (CLI)**

GitHub Copilot CLI can compose commands and loops, and throw around obscure find flags to satisfy your query.

**GitHub Copilot Business**

With features like code completions, chat in IDE and mobile, security vulnerabilities filter, code referencing, public code filter, IP indemnity, and enterprise-grade security, safety, and privacy, GitHub Copilot Business is focused on making organizations more productive, secure, and fulfilled.

**GitHub Copilot Enterprise**

GitHub Copilot Enterprise is available for organizations through GitHub Enterprise Cloud.

Copilot Enterprise allows your teams of developers to quickly get up to speed on your codebase, search through and build documentation, get suggestions based on internal and private code, and quickly review pull requests.

GitHub Copilot Enterprise includes everything in GitHub Copilot Business as well as an additional layer of personalization for organizations and integration into GitHub as a chat interface to allow developers to converse about their codebase and action buttons throughout the platform. GitHub Copilot Enterprise can index an organization’s codebase for a deeper understanding of the customer’s knowledge for more tailored suggestions and will offer customers access to GitHub Copilot Customization to fine-tune custom, private models for code completion.

**// 103 Set up, configure, and troubleshoot GitHub Copilot**

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