GitHub Copilot Training C/C++ Focus

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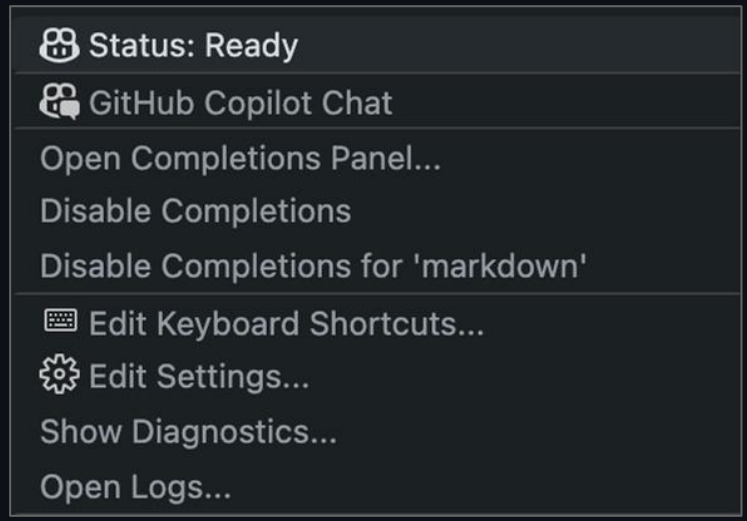
GitHub Copilot Fundamentals

VS Code Settings

Configuration Options



Configuring GitHub Copilot in your environment

Let’s start with a high-level overview of GitHub Copilot

- GitHub Copilot is there to enhance daily work
  - Like a smart assistant or mentor by your side
- Draws context from text & code in open tabs
- Powered by OpenAI
  - Copilot uses a transformative model
  - Think of something like Google Translate
- Trained on large datasets to ensure accuracy
  - It even can help with HTML and markdown!
- Available as an extension to IDEs and editors

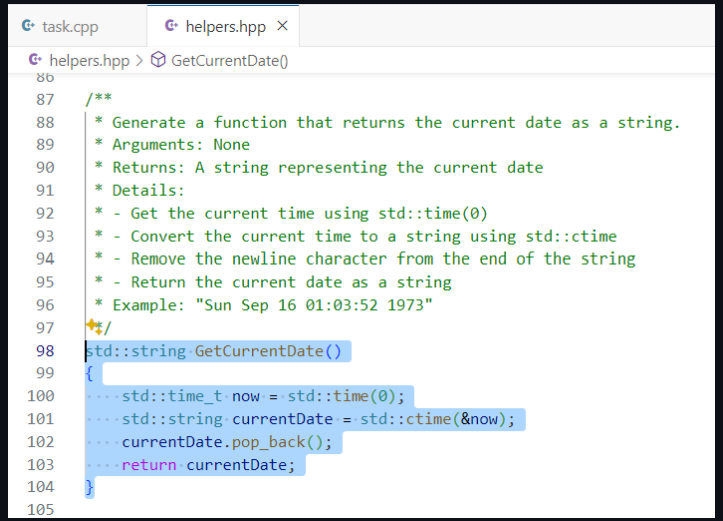
Providing Context

To help Copilot generate accurate suggestions:

- Add a top-level comment block describing the purpose of the file

-- Provide detailed comment block for operations

- Have related content open in other tabs



Copilot vs Copilot Chat

Copilot

Direct Code Writing

Seamless IDE Integration

Solo Development

Copilot Chat

In-Depth Interactive Assistance

Learning & Teaching

Collaborative Scenarios

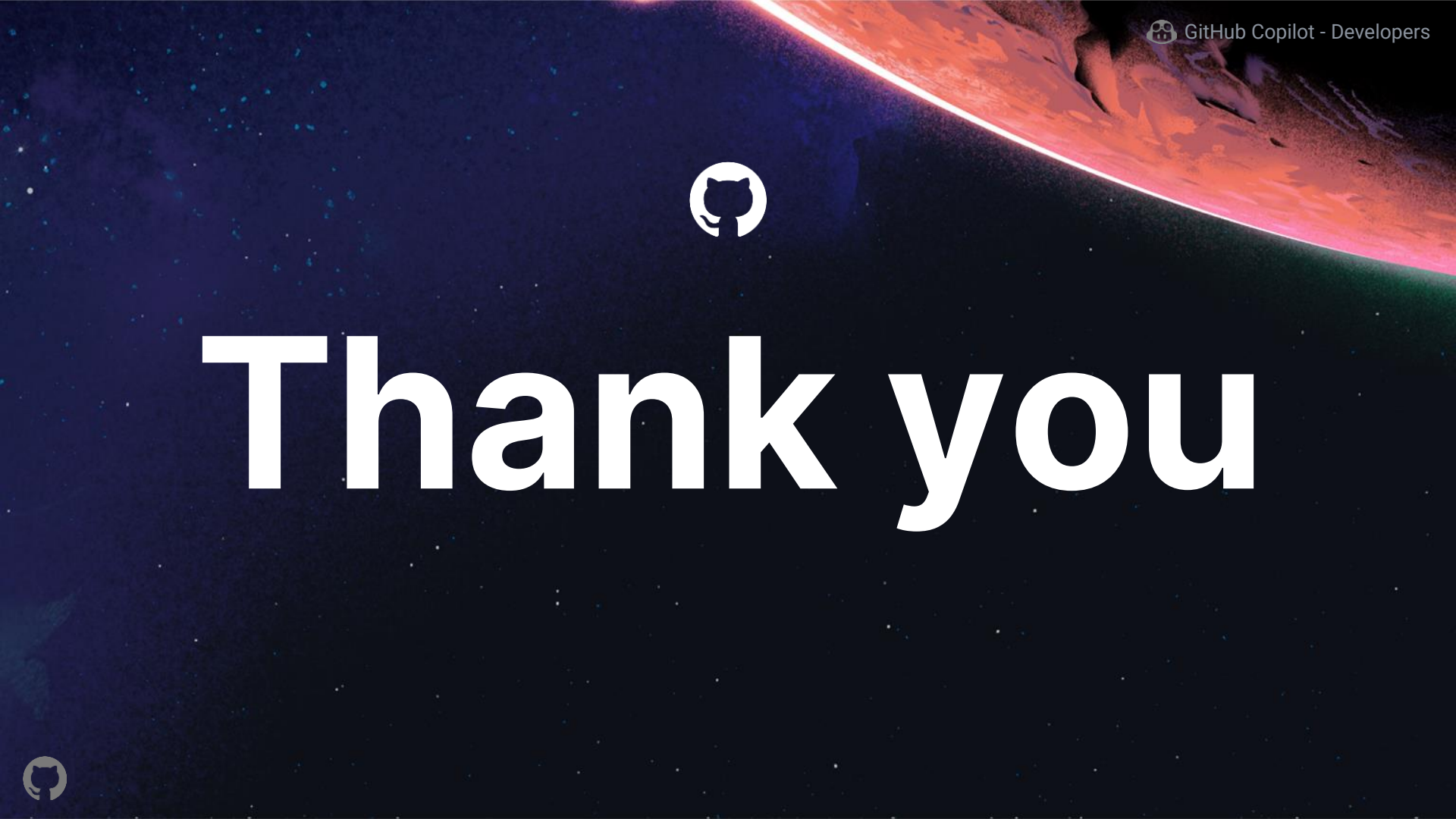
Data flow through the Copilot ecosystem

PII
Toxicity
Code classifier

CODE EDITOR | PROXY | MODEL

PII
Toxicity
Code classifier
Code quality
Duplicate detection

Demos


Thank you