

Troubleshoot Linux with GitHub Copilot



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Overview



Introduce GitHub Copilot
Troubleshooting scenarios





GitHub Copilot



GitHub Copilot



AI-powered pair programmer

\$10 USD/month or \$100/year for Individuals plan

- You may qualify for free use

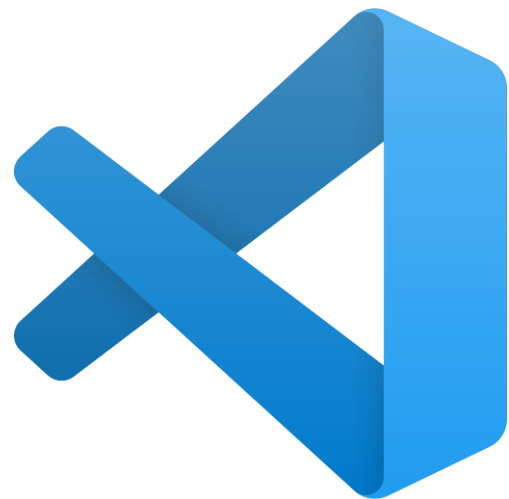
Gives you recommendations based on your project's context and style conventions

Recommendations based on:

- Your live code (function names)
- Your code comments



GitHub Copilot IDE Integrations



Visual Studio

Visual Studio Code

JetBrains IDEs

Neovim



Integrate GitHub Copilot with VS Code

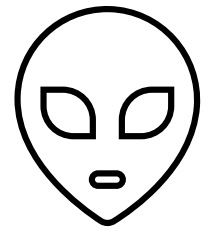
**Sign up for
GitHub**

**Sign up for
GitHub
Copilot**

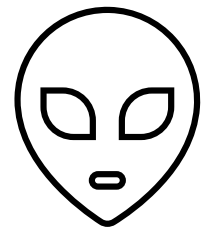
**Install GitHub
Copilot
extension**



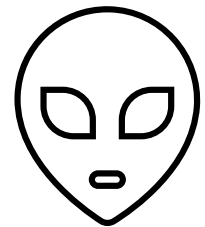
GitHub Copilot X



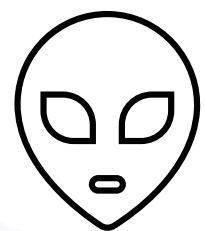
GPT-4 model by default



Copilot for Pull Requests (write better PR descriptions and reviews)



Copilot Chat ("Generate unit tests for these functions")



Copilot for CLI (write better prompt messages and use Git better)





Scenarios



Ubuntu Linux Diagnostic Script

Problem Description:

"I've got this Bash script that collects networking information for our Ubuntu Linux servers. However, I keep getting "command not found" errors on some systems. I know the script can be written better. Can you help?"



Developer Setup Automation

Problem Description:

"Our infrastructure people refuse to install Visual Studio Code and the Python extension on their standard operating system images. Can you please whip up a quick installation script to alleviate this issue?"



Demo



Summary



Embrace generative AI to:

- Make your work much more efficient
- "Future proof" your career

Thanks so much!

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