



Take your command line skills to the next level with GitHub **Copilot in the CLI**



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Hey, I'm Kedasha! 🙋‍♀️

- Developer Advocate at GitHub 🌐💡
- Software Dev for ~4 years
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What we'll cover:

- What is Github Copilot in the CLI? 🤖
- How to install and use it? 🤔
- My Hot Tip 💡 for using Copilot in the CLI
- Lots and lots of live demos 🎭
- Give me a suggestion! 🕶️
- Q&A + Wrapup ?



What is Copilot in the CLI?

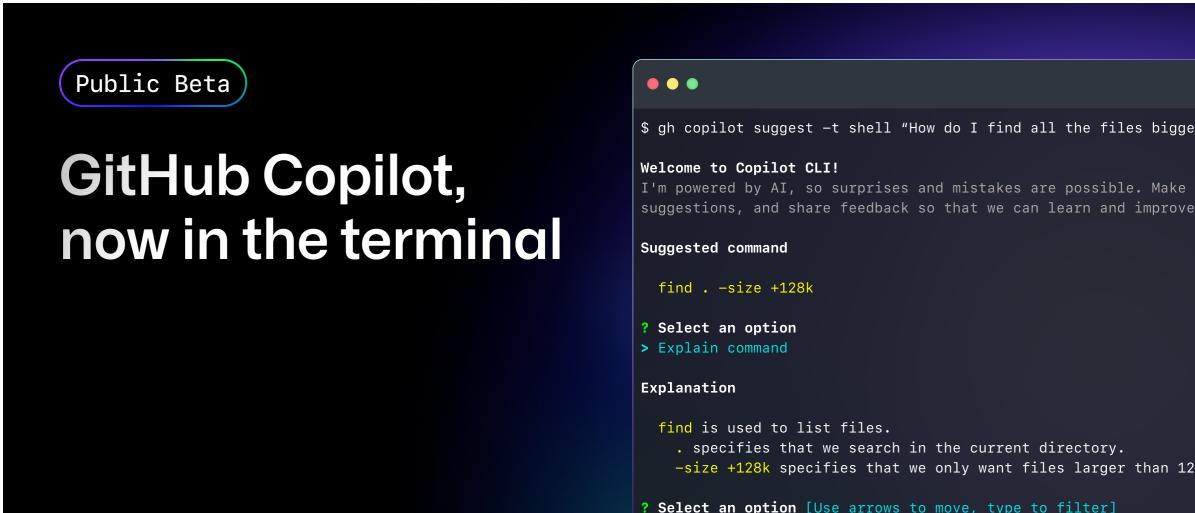
GitHub Copilot in the CLI provides a chat-like interface in the terminal that allows you to ask questions about the command line.



What does it do?

GitHub Copilot in the CLI is designed to answer questions about:

- general shell commands
- git commands
- *gh* cli commands



Installation



You must have an active copilot subscription

- ① install GitHub CLI with your package manager
- ② authenticate in OAuth browser window
- ③ install gh-copilot cli extension

```
1 brew install gh
2 gh auth login
3 gh extension install github/gh-copilot
```



Tip: Create an alias

create your own alias for gh copilot commands

I'm using zsh so I ran:

```
1 alias copilot='gh copilot' ; echo 'alias copilot="gh copilot"' >> ~/.zshrc && source ~/.zshrc
2 alias gcs='gh copilot suggest' ^
3 alias gce='gh copilot explain' ^
```

How do you use it? 🤔

To begin, run the help command `gh copilot --help`:

```
1  gh copilot
2
3  Your AI command line copilot.
4
5  Usage:
6      copilot [command]
7
8      explain      Explain a command
9      suggest      Suggest a command
10
11 Flags:
12     -h, --help      help for copilot
13     -v, --version   version for copilot
14
15 Use "copilot [command] --help" for more information about a command.
```

Copilot CLI Commands



there are two commands you can use with the *gh copilot cli* extension:

```
1  gh copilot explain  
2  gh copilot suggest
```

Explain Command



this command is used to explain any shell, git or gh cli command:

```
1  gh copilot explain 'your query command in a string'  
2  
3  Example: gh copilot explain 'git lfs migrate import --everything --include="*.gz,*.png,*.jar"'
```

You can also follow the on screen prompts if you run this command:

```
1  gh copilot explain
```

 the command you want to be explained must be in a string

Suggest Command



this command is used to get suggestions for any shell, git or gh cli inquiry:

```
1  gh copilot suggest 'what you want to do' -t <git|gh|shell>
2
3  Example: gh copilot suggest 'create a new codespace' -t gh
```

you can also run:

```
1  gh copilot suggest
```

and follow the on screen prompts



TIME IS TICKING!

ok that was a lot of talking...

let's get into some demos 🎵



TIME IS TICKING!

Push a local folder to a new GitHub repo



We can create a GitHub repo with the cli

```
1  gh copilot suggest 'push a local folder to a github repo'
```

Explain a dangerous command

We can ask copilot cli to explain commands that appears simple enough, but are actually dangerous

```
1 gh copilot explain chmod -r 777 /
```

 NEVER RUN THIS COMMAND ON YOUR MACHINE 

Remove a file from a commit msg and keep the original commit msg 😐

ever commit a file you didn't mean to add?

```
1 gh copilot suggest 'remove mistake.md from last commit keeping original commit message'
```

Download a Youtube Video 🤔

Did you know that you can download youtube videos with the cli?

```
1  github copilot suggest 'download youtube video'
```



How does Copilot in the
CLI work? 🤔



Behind Copilot in the CLI



THREAD: CONVERSATION BETWEEN YOU AND COPILOT

TURN: A SINGLE USER MESSAGE IN A THREAD

- ① User Input Prompt
- ② LLM Analysis
- ③ Response Generation
- ④ Output Formatting

Top Questions about using the Terminal

...answered by copilot in the CLI

? delete a git branch locally and remotely ?

```
1   gh copilot suggest 'delete a git branch locally and remotely'
```

? check if a directory exists in shell script ?

```
1 git copilot suggest 'check if dir exist in shell script'
```

? see hidden files in current directory ?

```
1   gh copilot suggest 'see hidden files in current directory'
```

? exit vim ?

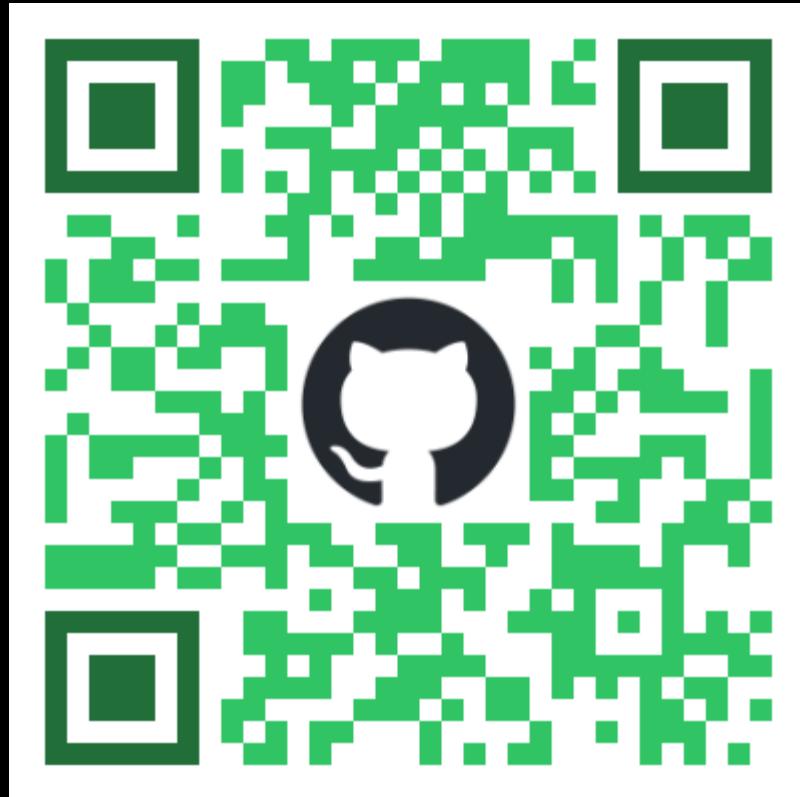
```
1 gh copilot suggest 'how to exit vim'
```

? give me a suggestion ?

What would you like me to ask?

```
1 gh copilot suggest/explain ??
```

✨ Try it for yourself! ✨



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