

GITHUB COPILOT INSTALLATION GUIDE

VS CODE & JETBRAINS IDES

INSTALLATION GUIDE

Prerequisites

GitHub Copilot in VS Code

GitHub Copilot Chat in VS Code

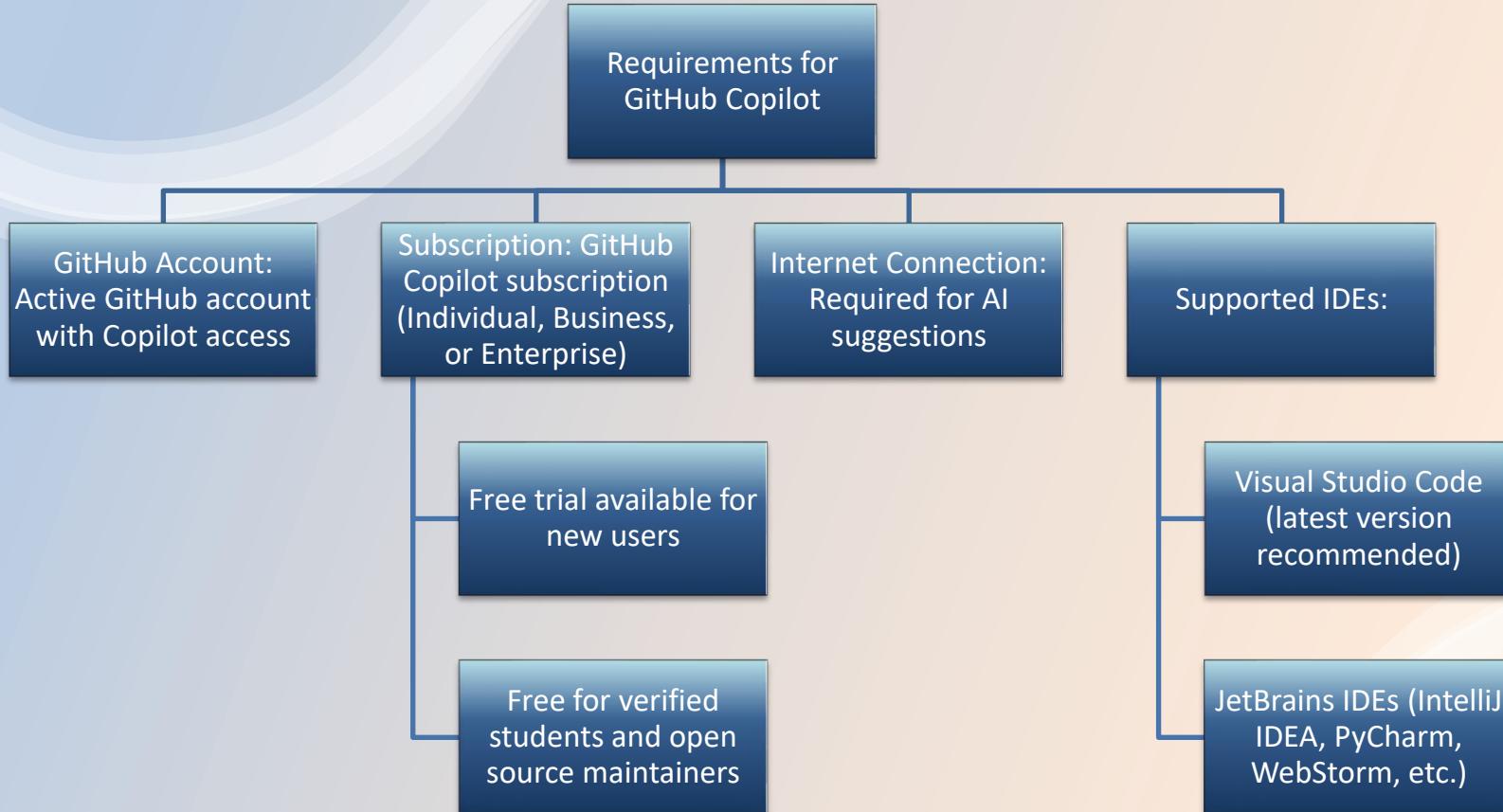
GitHub Copilot in JetBrains IDEs

GitHub Copilot Chat in JetBrains IDEs

Troubleshooting

Additional Resources

PREREQUISITES



SUBSCRIBING TO GITHUB COPILOT

GO TO github.com/features/copilot

Click “Start free trial” or
“Buy now”

Choose your plan:

- Individual:
 - \$10/month or \$100/year
- Business:
 - \$19/user/month
- Enterprise:
 - Contact sales

Complete payment setup

Confirm subscription in your
GitHub account settings

INSTALLING GITHUB COPILOT IN VS CODE

VS CODE

- Launch Visual Studio Code

Open Extensions Marketplace

- Click Extensions icon (sidebar) or press **Ctrl+Shift+X** (Windows/Linux) / **Cmd+Shift+X** (Mac)

Search for GitHub Copilot

- Type “GitHub Copilot” in the search bar

Install Extension

- Click “Install” on “GitHub Copilot” by GitHub
- Extension ID: GitHub.copilot

Sign in to GitHub

- Click “Sign in to GitHub” when prompted
- Authorize VS Code in your browser
- Return to VS Code to complete authentication

INSTALLING GITHUB COPILOT CHAT IN VS CODE

Open Extensions Marketplace

- Press `Ctrl+Shift+X` (Windows/Linux) / `Cmd+Shift+X` (Mac)

Search for GitHub Copilot Chat

- Type “GitHub Copilot Chat” in the search bar

Install Extension

- Click “Install” on “GitHub Copilot Chat” by GitHub
- Extension ID: `GitHub.copilot-chat`

Access Copilot Chat

- Click the chat icon in the Activity Bar (sidebar)
- Or press `Ctrl+Shift+I` to open inline chat
- Or use `Ctrl+I` for quick chat

Start Using Chat

- Type questions or requests in natural language
- Get code explanations, suggestions, and help

VERIFYING INSTALLATION IN VS CODE

Check Status Bar

- Look for GitHub Copilot icon in the bottom-right status bar
- Icon should show “Ready” when active

Test Code Suggestions

- Open a new file (e.g., .js, .py)
- Start typing code (e.g., function calculateSum)
- Gray suggestions should appear automatically

Test Chat

- Open Copilot Chat panel
- Ask a question: “How do I create a REST API in Node.js?”
- Verify you receive a response

Check Settings

- Go to Settings ($\text{Ctrl}+,$)
- Search for “copilot”
- Review and customize settings as needed

SUPPORTED JETBRAINS IDE'S

IntelliJ
Idea

PyCharm

WebStorm

PhpStorm

GoLand

Rider

CLion

RubyMine

DataGrip

AppCode

REQUIREMENT: VERSION 2021.3 OR LATER RECOMMENDED

GITHUB COPILOT INSTALLATION STEPS - JETBRAINS

Open Plugin Marketplace

- Go to File → Settings → Plugins (Windows/Linux)
- Or IntelliJ IDEA → Preferences → Plugins (Mac)
- Or press Ctrl+Alt+S (Windows/Linux) / Cmd+, (Mac)

Search for GitHub Copilot

- Click “Marketplace” tab
- Type “GitHub Copilot” in search bar

Install Plugin

- Click “Install” on “GitHub Copilot” plugin
- Click “Accept” for third-party plugin notice
- Restart IDE when prompted

ACTIVATING GITHUB COPILOT IN JETBRAINS

After Restart

- IDE will show “Authorize GitHub Copilot” notification
- Click “Authorize” or go to Tools → GitHub Copilot → Login to GitHub

Sign in to GitHub

- Browser window will open
- Sign in to your GitHub account
- Click “Authorize JetBrains”

Return to IDE

- Confirmation will appear in IDE
- GitHub Copilot is now active

Verify Installation

- Look for GitHub Copilot icon in status bar
- Status should show “Ready” or “Active”

GITHUB COPILOT

CHAT IN

JETBRAINS IDES

Included with GitHub Copilot Plugin

- Chat functionality is built into the main GitHub Copilot plugin
- No separate installation required

Access Copilot Chat

- **Chat Tool Window:** View → Tool Windows → GitHub Copilot Chat
- **Inline Chat:** Right-click in editor → GitHub Copilot → Start Chat
- **Keyboard Shortcut:** Configure in Settings → Keymap

Chat Features

- Ask questions about code
- Request code generation
- Get explanations and documentation
- Debugging assistance
- Code refactoring suggestions

USING GITHUB COPilot IN JETBRAINS

KEY FEATURES

Inline Suggestions

- Type code and pause
- Gray suggestions appear automatically
- Press Tab to accept, Esc to dismiss

Multiple Suggestions

- Press Alt+] (next suggestion) or Alt+ [(previous suggestion)
- Or hover over suggestion and use arrows

Chat Commands

- /explain - Explain selected code
- /fix - Suggest fixes for errors
- /tests - Generate unit tests
- /doc - Generate documentation

Context Awareness

- Copilot considers open files
- Understands project structure
- Adapts to your coding style

CONFIGURING GITHUB COPILOT (VS CODE)

CUSTOMIZATION OPTIONS

Access Settings

- File → Preferences → Settings → Search “copilot”

Key Settings

- Enable/Disable Copilot
- Enable/Disable for specific languages
- Suggestion delay
- Auto-triggering

Telemetry & Privacy

- Control data sharing
- Review privacy settings
- Manage code snippet retention

Keybindings

- Customize keyboard shortcuts
- File → Preferences → Keyboard Shortcuts
- Search “copilot”

CONFIGURING GITHUB COPILOT (JETBRAINS)

SETTINGS AND PREFERENCES

Access Settings

- File → Settings → Tools → GitHub Copilot (Windows/Linux)
- IntelliJ IDEA → Preferences → Tools → GitHub Copilot (Mac)

Configuration Options

- Enable/Disable Copilot
- Language-specific settings
- Suggestion preferences
- Chat window position

Proxy Settings

- Configure if behind corporate firewall
- Set proxy server details

Advanced Options

- Timeout settings
- Cache configuration
- Debug logging

TROUBLESHOOTING - COMMON ISSUES

VS CODE ISSUES

Issue	Solution
Copilot not showing suggestions	<ol style="list-style-type: none">1. Check status bar icon2. Verify you're signed in3. Restart VS Code4. Check network connection
Authentication failed	<ol style="list-style-type: none">1. Sign out and sign in again2. Clear GitHub authentication3. Check GitHub subscription status
Extension not loading	<ol style="list-style-type: none">1. Update VS Code2. Reinstall Copilot extension3. Check extension conflicts

TROUBLESHOOTING – COMMON ISSUES

JETBRAIN ISSUES

Issue	Solution
Plugin not appearing	<ol style="list-style-type: none">1. Update IDE to latest version2. Reinstall plugin3. Invalidate caches and restart
Slow suggestions	<ol style="list-style-type: none">1. Check internet speed2. Adjust suggestion delay3. Clear IDE cache

TROUBLESHOOTING - NETWORK & FIREWALL

CORPORATE FIREWALLS & PROXIES

Allowed Domains

- Ensure these domains are accessible:
 - github.com
 - api.github.com
 - copilot-proxy.githubusercontent.com
 - *.githubusercontent.com

Proxy Configuration

- VS Code: Inherits system proxy settings
- JetBrains: Configure in Settings → Appearance & Behavior → System Settings → HTTP Proxy

Certificate Issues

- Install corporate SSL certificates
- Configure certificate validation settings

BEST PRACTICES

GETTING THE MOST FROM GITHUB COPILOT

Write Clear Comments

- Describe what you want in comments
- Copilot uses context to generate better code

Use Descriptive Names

- Function and variable names help Copilot understand intent

Review Suggestions

- Always review generated code
- Understand what the code does
- Test thoroughly

Provide Context

- Keep relevant files open
- Copilot uses context from workspace

Use Chat for Complex Tasks

- Ask questions for clarification
- Request explanations
- Get alternative approaches

SECURITY & PRIVACY

IMPORTANT CONSIDERATIONS

Code Privacy

- Your code is not used to train public models
- Snippets sent to OpenAI for suggestions
- Review GitHub's privacy policy

Enterprise Features

- Additional security controls
- Compliance certifications
- Advanced admin controls

Best Practices

- Don't share sensitive credentials
- Review generated code for security issues
- Follow your organization's policies

Data Retention

- Understand data retention policies
- Configure telemetry settings appropriately

KEYBOARD SHORTCUTS REFERENCE

VS CODE

Action	Windows / Linux	Mac
Accept suggestion	Tab	Tab
Dismiss suggestion	Esc	Esc
Next suggestion	Alt+]	Option+]
Previous suggestion	Alt+ [Option+ [
Open inline chat	Ctrl+I	Cmd+I
Open chat panel	Ctrl+Shift+I	Cmd+Shift+I
Trigger suggestion	Alt+ \	Option+ \

KEYBOARD SHORTCUTS REFERENCE

JETBRAINS

Action	Windows / Linux	Mac
Accept suggestion	Tab	Tab
Next suggestion	Alt+]	Option+]
Previous suggestion	Alt+ [Option+ [

QUICK START CHECKLIST



- GitHub account with Copilot subscription
- Latest version of IDE installed
- GitHub Copilot extension/plugin installed
- GitHub Copilot Chat installed (if separate)



- Successfully authenticated with GitHub
- Copilot status shows “Ready”
- Tested inline suggestions
- Tested chat functionality



- Reviewed settings and preferences
- Configured proxy (if needed)
- Reviewed keyboard shortcuts
- Read privacy and security guidelines