Quickstart for GitHub Copilot

GitHub Copilot can help you work, by offering inline suggestions as you code.

GitHub Copilot can be managed through personal accounts with GitHub Copilot for Individuals or through organization accounts with GitHub Copilot for Business.

GitHub Copilot is free to use for verified students, teachers, and maintainers of popular open source projects. If you are not a student, teacher, or maintainer of a popular open source project, you can try GitHub Copilot for free with a one-time 30-day trial. After the free trial, you will need a paid subscription for continued use. For more information, see "About billing for GitHub Copilot."

Introduction

GitHub Copilot is an AI pair programmer. You can use GitHub Copilot to get suggestions for whole lines or entire functions right inside your editor.

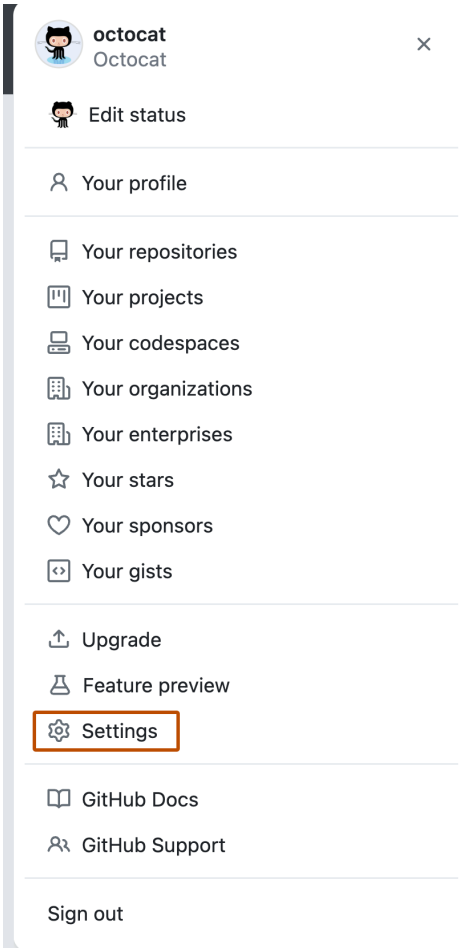
This guide will show you how to set up a GitHub Copilot subscription for your personal or organization account, install the GitHub Copilot extension in Visual Studio Code, and get your first suggestion. For more information on GitHub Copilot, see "About GitHub Copilot for Individuals." For more in-depth information on how to use GitHub Copilot in a variety of environments, see "Getting started with GitHub Copilot."

Signing up for GitHub Copilot for your personal account

Before you can start using GitHub Copilot, you will need to set up a free trial or subscription for your personal account.

Note: If you were part of the free GitHub Copilot technical preview that was run between July 2021 and June 2022, you are not eligible for a 30-day trial.

1. In the upper-right corner of any page, click your profile photo, then click **Settings**.



2. In the "Code, planning, and automation" section of the sidebar, click **GitHub Copilot**.
3. On the GitHub Copilot settings page, click **Enable GitHub Copilot**.
4. Choose whether you want to pay monthly or yearly, and click **Continue to get access to Copilot**.
    - If your personal account meets the criteria for a free GitHub Copilot subscription instead of a trial or paid subscription, you will automatically be taken to step 6.
5. Follow the steps to confirm your payment details, then click **Submit**.
6. Select your preferences, then click **Save and get started**.

   You can change these preferences at a later time by returning to your GitHub Copilot settings. For more information, see "Configuring GitHub Copilot in your environment."

Note: As a member of an organization owned by a GitHub Enterprise Cloud account with a GitHub Copilot subscription, you must be assigned a GitHub Copilot seat by your organization before you can use GitHub Copilot.

Signing up for GitHub Copilot for your organization account

Before you can start using GitHub Copilot in your organization account, you will need to set up a subscription.

1. Go to the GitHub Copilot for Business sign up page.
2. Select an organization for which you want to purchase GitHub Copilot and click **Continue**.

3. Follow the steps to confirm your payment details, then click **Save**.

   If you don't have a payment method on file, you'll be prompted to add one.

4. In the "Public code suggestions" dropdown, select **Allow** or **Block** to allow or block suggestions that match public code, and click **Save and continue**. You can change these preferences later by returning to your GitHub Copilot settings.
5. Either grant access to GitHub Copilot for all current and future users in your organization, or for specific users in your organization.
   - If you selected **Allow for all members**, click **Confirm** in the "Confirm seat assignment" dialog to confirm that you want to enable GitHub Copilot for all current and future users in your organization.
   - If you selected **Selected teams/users**, you can choose **Add people** or **Add team**.
     - If you selected **Add people**, in the "Enable GitHub Copilot access for selected members of ORGANIZATION" dialog, you can either search for individual members, or you can add members in bulk by uploading a CSV file.
     - If you selected **Add team**, in the "Enable GitHub Copilot access for selected teams of ORGANIZATION" dialog, start typing the team name in the search bar, select the team you want to add and click **Add team(s) to access list**.
6. To finish setting up your GitHub Copilot for Business subscription, click **Save and finish**. Organization members will receive an email with instructions on how to start using GitHub Copilot.

Installing the GitHub Copilot extension for Visual Studio Code

To use GitHub Copilot, you must first install the Visual Studio Code extension.

1. In the Visual Studio Code Marketplace, go to the GitHub Copilot extension page and click **Install**.
2. A popup will appear, asking to open Visual Studio Code. Click **Open Visual Studio Code**.
3. In the "Extension: GitHub Copilot" tab in Visual Studio Code, click **Install**.
4. If you have not previously authorized Visual Studio Code in your GitHub account, you will be prompted to sign in to GitHub in Visual Studio Code.
   - If you have previously authorized Visual Studio Code in your GitHub account, GitHub Copilot will be automatically authorized.
5. In your browser, GitHub will request the necessary permissions for GitHub Copilot. To approve these permissions, click **Authorize Visual Studio Code**.
6. In Visual Studio Code, in the "Visual Studio Code" dialogue box, to confirm the authentication, click **Open**.

Getting your first suggestion

Note: If you have duplication detection enabled for GitHub Copilot, you may receive limited suggestions, or no suggestions, when using the code examples provided. As an alternative, you can start by typing your own code to see suggestions from GitHub Copilot. For more information on duplication detection, see "Configuring GitHub Copilot settings on GitHub.com."

GitHub Copilot provides suggestions for numerous languages and a wide variety of frameworks, but works especially well for Python, JavaScript, TypeScript, Ruby, Go, C# and C++. GitHub Copilot can also assist in query generation for databases. The following samples are in JavaScript, but other languages will work similarly.

1. Open Visual Studio Code.
2. In Visual Studio Code, create a new JavaScript (*.*js*) file.
3. In the JavaScript file, type the following function header.
   JavaScript

   ```
   function calculateDaysBetweenDates(begin, end) {
   ```

   GitHub Copilot will automatically suggest an entire function body in grayed text. The exact suggestion may vary.

4. To accept the suggestion, press `Tab`.

About GitHub Copilot for Individuals

GitHub Copilot can help you code by offering autocomplete-style suggestions. You can learn how GitHub Copilot works, and what to consider while using GitHub Copilot.

About GitHub Copilot

GitHub Copilot is an AI pair programmer that offers autocomplete-style suggestions as you code. You can receive suggestions from GitHub Copilot either by starting to write the code you want to use, or by writing a natural language comment describing what you want the code to do. GitHub Copilot analyzes the context in the file you are editing, as well as related files, and offers suggestions from within your text editor. GitHub Copilot is powered by OpenAI Codex, a new AI system created by OpenAI.

GitHub Copilot is trained on all languages that appear in public repositories. For each language, the quality of suggestions you receive may depend on the volume and diversity of training data for that language. For example, JavaScript is well-represented in public repositories and is one of GitHub Copilot's best supported languages. Languages with less representation in public repositories may produce fewer or less robust suggestions.

GitHub Copilot is available as an extension in Visual Studio Code, Visual Studio, Vim, Neovim and the JetBrains suite of IDEs. For more information, see "Getting started with GitHub Copilot."

Understanding the differences between Copilot for Individuals and Copilot for Business

	Copilot for Individuals	Copilot for Business
Pricing	$10 per month/$100 per year	$19 per user per month
Types of GitHub accounts	Personal accounts	Organization or enterprise accounts
Telemetry	✓	×
Blocks suggestions matching public code	✓	✓
Plugs right into your editor	✓	✓
Offers multi-line function suggestions	✓	✓
Organization-wide policy management	×	✓
VPN Proxy support via self-signed certificates	×	✓

For more information about VPN Proxy support via self-signed certificates, see "Configuring GitHub Copilot in your environment".

Using GitHub Copilot

You can see real-world examples of GitHub Copilot in action. For more information, see the GitHub Copilot website.

GitHub Copilot offers suggestions from a model that OpenAI built from billions of lines of open source code. As a result, the training set for GitHub Copilot may contain insecure coding patterns, bugs, or references to outdated APIs or idioms. When GitHub Copilot produces suggestions based on this training data, those suggestions may also contain undesirable patterns.

You are responsible for ensuring the security and quality of your code. We recommend you take the same precautions when using code generated by GitHub Copilot that you would when using any code you didn't write yourself. These precautions include rigorous testing, IP scanning, and tracking for security vulnerabilities. GitHub provides a number of features to help you monitor and improve code quality, such as GitHub Actions, Dependabot, CodeQL and code scanning. All these features are free to use in public repositories. For more information, see "Understanding GitHub Actions" and "GitHub security features."

GitHub Copilot uses filters to block offensive words in the prompts and avoid producing suggestions in sensitive contexts. We are committed to constantly improving the filter system to more intelligently detect and remove offensive suggestions generated by GitHub Copilot, including biased, discriminatory, or abusive outputs. If you see an offensive suggestion generated by GitHub Copilot, please report the suggestion directly to copilot-safety@github.com so that we can improve our safeguards.

About billing for GitHub Copilot

GitHub Copilot is a paid feature, requiring a monthly or yearly subscription. GitHub Copilot subscriptions can be paid for and managed through a personal account on GitHub.com with Copilot for Individuals, or paid for and managed centrally through an organization account with GitHub Copilot for Business.

Verified students, teachers, and maintainers of popular open source projects on GitHub are eligible to use Copilot for Individuals for free. If you meet the criteria for a free Copilot for Individuals subscription, you will be automatically notified when you visit the GitHub Copilot subscription page. If you do not meet the criteria for a free Copilot for Individuals subscription, you will be offered a 30-day free trial, after which a paid subscription is required for continued use. For more information, see "About billing for GitHub Copilot."

About the license for the GitHub Copilot plugin in JetBrains IDEs

GitHub, Inc. is the licensor of the JetBrains plugin. The end user license agreement for this plugin is the GitHub Terms for Additional Products and Features and use of this plugin is subject to those terms. JetBrains has no responsibility or liability in connection with the plugin or such agreement. By using the plugin, you agree to the foregoing terms.

About privacy for GitHub Copilot for Individuals

You have the ability to manage and make choices regarding the collection, retention, and processing of your data, allowing you to maintain control over your privacy while using GitHub Copilot for Individuals.

What data does GitHub Copilot for Individuals collect?

GitHub Copilot for Individuals utilizes data from file content and additional sources to enhance its functionality. This data collection process is aimed at improving the service and involves the gathering and analysis of certain information.

User Engagement Data

When you use GitHub Copilot, it collects information about your interactions with the IDE or editor. This includes actions like accepting or dismissing suggestions, as well as general usage data and error information. The purpose of collecting this data is to measure metrics such as latency and feature engagement. Some of this information may include personal data, but it is stored in a way that does not directly identify you.

Prompts

A Prompt refers to the contextual information that the GitHub Copilot extension sends when you pause typing while working on a file, or when you open the GitHub Copilot pane. These Prompts are only sent in real time unless you have chosen to enable telemetry collection, in which case they are retained.

Suggestions

After receiving and processing a Prompt, the AI-model generates one or more lines of proposed text known as Suggestions. These Suggestions are then transmitted back to the GitHub Copilot extension. By default, Suggestions are only sent in real time. However, if you have enabled telemetry collection, GitHub Copilot retains these Suggestions.

How is the data in GitHub Copilot for Individuals used and shared?

User Engagement Data, Prompts and Suggestions are used by GitHub and Microsoft to improve GitHub Copilot and related services and to conduct product and academic research.

- Enhancing GitHub Copilot: The data collected is utilized to improve GitHub Copilot by evaluating different strategies for processing and predicting suggestions that users may find valuable.
- Developing related developer products and services: The insights gained from the data help in the development and improvement of other developer tools and services offered by GitHub and Microsoft.
- Detecting abuse and policy violations: The data is examined to investigate and identify any potential misuse or violation of the Acceptable Use Policies associated with GitHub Copilot.
- Conducting experiments and research: The data is used for conducting experiments and research related to developers and their utilization of developer tools and services. This aids in gaining valuable insights into user behavior and preferences.
- Evaluating GitHub Copilot: The impact of GitHub Copilot on users is assessed by measuring its positive effects and benefits.
- Improving code generation models: The collected data is employed to refine and enhance the underlying models responsible for generating code. This is achieved by utilizing both positive and negative examples.
- Fine-tuning ranking and sorting algorithms: The data helps in the optimization and improvement of algorithms used for ranking and sorting suggestions, thereby enhancing the overall user experience.

How is the transmitted Code Snippets data protected?

To ensure the protection of sensitive data such as user edit actions, source code snippets, and repository URLs/file paths, several protective measures are implemented. These measures include:

- Encryption of transmitted data: All data is encrypted both during transit and while at rest, ensuring that it remains secure and inaccessible to unauthorized parties.
- Strict access control: Access to the data is tightly regulated and limited to specific individuals, including:
    - Named GitHub personnel working on the GitHub Copilot team or the GitHub platform health team.
    - Microsoft personnel involved with the GitHub Copilot team.
- Role-based access controls and multi-factor authentication: People who require access to code snippet data must adhere to role-based access controls. Additionally, multi-factor authentication is implemented to add an extra layer of security, ensuring that only authorized individuals can access the data.

How can users of GitHub Copilot for Individuals control use of their Code Snippets Data?

GitHub Copilot gives you choices about how it uses the data it collects.

- User Engagement Data: User Engagement Data, including pseudonymous identifiers and general usage data, is necessary for the proper functioning of GitHub Copilot. This data is collected, processed, and shared with Microsoft while you use GitHub Copilot.
- Retention of Prompts and Suggestions: You have the option to decide whether Prompts and Suggestions are retained by GitHub and shared with Microsoft. These preferences can be adjusted in the GitHub Copilot settings.
- Requesting Deletion: If you wish to delete Prompts and Suggestions associated with your GitHub identity, contact GitHub Support.

Will my private code be shared with other users?

No. We follow responsible practices in accordance with our Privacy Statement to ensure that your code snippets will not be used as suggested code for other users of GitHub Copilot.

Getting started with GitHub Copilot

You can start using GitHub Copilot by installing the extension in your preferred environment.

JetBrains IDEs (Beta)Vim/NeovimVisual StudioVisual Studio Code

GitHub Copilot can be managed through personal accounts with GitHub Copilot for Individuals or through organization accounts with GitHub Copilot for Business.

GitHub Copilot is free to use for verified students, teachers, and maintainers of popular open source projects. If you are not a student, teacher, or maintainer of a popular open source project, you can try GitHub Copilot for free with a one-time 30-day trial. After the free trial, you will need a paid subscription for continued use. For more information, see "About billing for GitHub Copilot."

About GitHub Copilot and JetBrains IDEs

GitHub Copilot provides autocomplete-style suggestions from an AI pair programmer as you code. For more information, see "About GitHub Copilot for Individuals".

If you use a JetBrains IDE, you can view and incorporate suggestions from GitHub Copilot directly within the editor. This guide demonstrates how to use GitHub Copilot within a JetBrains IDE for macOS, Windows, or Linux.

Prerequisites

- To use GitHub Copilot you must have an active GitHub Copilot subscription. For more information, see "About billing for GitHub Copilot."
- To use GitHub Copilot in JetBrains, you must have a compatible JetBrains IDE installed. GitHub Copilot is compatible with the following IDEs:
    - IntelliJ IDEA (Ultimate, Community, Educational)
    - Android Studio
    - AppCode
    - CLion
    - Code With Me Guest
    - DataGrip
    - DataSpell
    - GoLand
    - JetBrains Client
    - MPS
    - PhpStorm
    - PyCharm (Professional, Community, Educational)
    - Rider

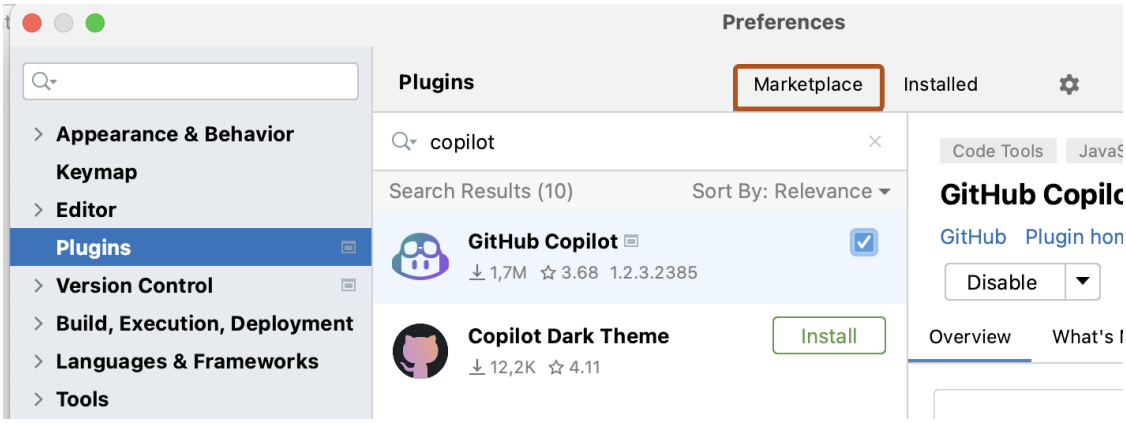
- RubyMine
- WebStorm

For more information, see the JetBrains IDEs tool finder.

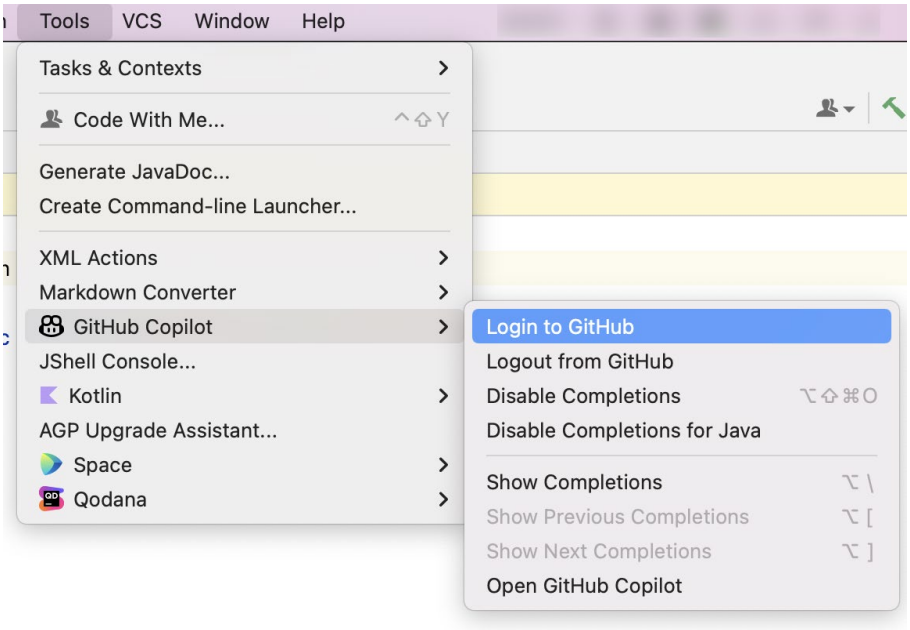
Installing the GitHub Copilot extension in your JetBrains IDE

To use GitHub Copilot in a JetBrains IDE, you must install the GitHub Copilot extension. The following procedure will guide you through installation of the GitHub Copilot plugin in IntelliJ IDEA. Steps to install the plugin in another supported IDE may differ.

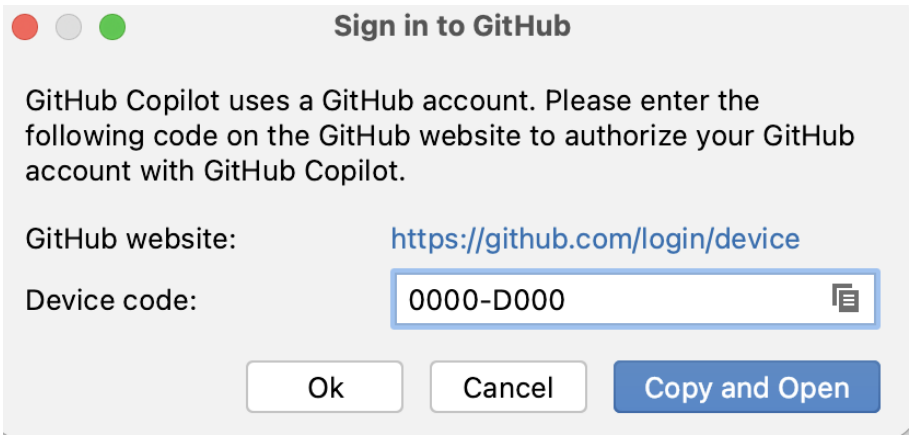
1. In your JetBrains IDE, under the **File** menu for Windows or under the name of your IDE for Mac (for example, **PyCharm** or **IntelliJ**), click **Settings** for Windows or **Preferences** for Mac.
2. In the left-side menu of the **Settings/Preferences** dialog box, click **Plugins**.
3. At the top of the **Settings/Preferences** dialog box, click **Marketplace**. In the search bar, search for **GitHub Copilot**, then click **Install**.



4. After GitHub Copilot is installed, click **Restart IDE**.
5. After your JetBrains IDE has restarted, click the **Tools** menu. Click **GitHub Copilot**, then click **Login to GitHub**.



6. In the "Sign in to GitHub" dialog box, to copy the device code and open the device activation window, click **Copy and Open**.



7. A device activation window will open in your browser. Paste the device code, then click **Continue**.
8. GitHub will request the necessary permissions for GitHub Copilot. To approve these permissions, click **Authorize GitHub Copilot Plugin**.
9. After the permissions have been approved, your JetBrains IDE will show a confirmation. To begin using GitHub Copilot, click **OK**.

Seeing your first suggestion

Note: If you have duplication detection enabled for GitHub Copilot, you may receive limited suggestions, or no suggestions, when using the code examples provided. As an alternative, you can start by typing your own code to see suggestions from GitHub Copilot. For more information on duplication detection, see "Configuring GitHub Copilot settings on GitHub.com."

GitHub Copilot provides suggestions for numerous languages and a wide variety of frameworks, but works especially well for Python, JavaScript, TypeScript, Ruby, Go, C# and C++. GitHub Copilot can

also assist in query generation for databases. The following samples are in Java, but other languages will work similarly.

1. In your JetBrains IDE, create a new Java (*.*java*) file.
2. In the Java file, create a class by typing `class Test`. GitHub Copilot will automatically suggest a class body in grayed text. The exact suggestion may vary.
3. To accept the suggestion, press `Tab`.
4. To prompt GitHub Copilot to suggest a function body, type the following line below the bracket of the `main` function. The exact suggestion may vary.

   Java

   ```
   int calculateDaysBetweenDates(
   ```
5. To accept the suggestion, press `Tab`.

GitHub Copilot will attempt to match the context and style of your code. You can always edit the suggested code.

Seeing alternative suggestions

For any given input, GitHub Copilot may offer multiple suggestions. You can select which suggestion to use, or reject all suggestions.

1. In your JetBrains IDE, create a new Java (*.*java*) file.
2. To prompt GitHub Copilot to show you a suggestion, type the following line in the Java file.
   Java

   ```
   int calculateDaysBetweenDates(
   ```
3. Optionally, you can see alternative suggestions, if any are available.

OS	See next suggestion	See previous suggestion
macOS	`Option+]`	`Option+[`
Windows	`Alt+]`	`Alt+[`
Linux	`Alt+]`	`Alt+[`

4. To accept a suggestion, press `Tab`. To reject all suggestions, press `Esc`.

Seeing multiple suggestions in a new tab

You may not want any of the initial suggestions GitHub Copilot offers. You can use a keyboard shortcut to prompt GitHub Copilot to show you multiple suggestions in a new tab.

1. In your JetBrains IDE, create a new Java (*.*java*) file.
2. To prompt GitHub Copilot to show you a suggestion, type the following line in the Java file.
   Java

```
int calculateDaysBetweenDates(
```

3. Open a new tab with multiple additional suggestions.
    - On macOS, press `Command+Shift+A`, then click **Open GitHub Copilot**, or press `Command+Shift+\` to open the new tab immediately.
    - On Windows or Linux, press `Ctrl+Enter`, then click **Open GitHub Copilot**.
4. To accept a suggestion, above the suggestion, click **Accept Solution**. To reject all suggestions, close the tab.

Generating code suggestions from comments

You can describe something you want to do using natural language within a comment, and GitHub Copilot will suggest the code to accomplish your goal.

1. In your JetBrains IDE, create a new Java (*.*java*) file.
2. To prompt GitHub Copilot to suggest an implementation of a function in the Java file, type the following lines.
   Java

```
// find all images without alternate text
// and give them a red border
void process () {
```

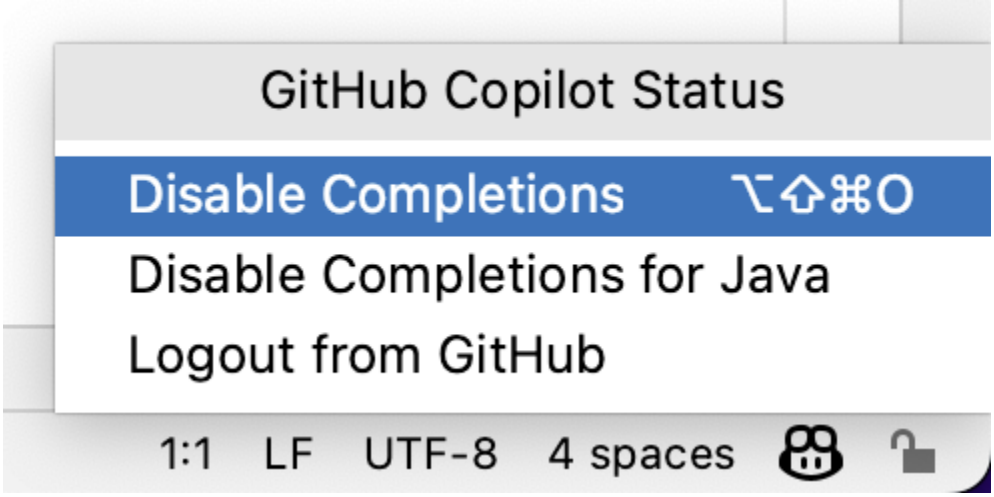
Enabling and disabling GitHub Copilot

You can enable or disable GitHub Copilot for all languages, or for individual languages. The GitHub Copilot status icon in the bottom panel of your JetBrains IDE window indicates whether GitHub Copilot is enabled or disabled. When enabled, the icon is highlighted. When disabled, the icon is grayed out.

1. To enable or disable GitHub Copilot, click the status icon in the bottom panel of the JetBrains window.

2. If you are disabling GitHub Copilot, you will be asked whether you want to disable it globally, or for the language of the file you are currently editing.
    - To disable suggestions from GitHub Copilot globally, click **Disable Completions**.

- To disable suggestions from GitHub Copilot for the specified language, click **Disable Completions for *LANGUAGE***.



Configuring GitHub Copilot settings on GitHub.com

You can configure GitHub Copilot's behavior on GitHub.com, which affects how GitHub Copilot functions in any IDE that you use.

Who can use this feature

People with individual GitHub Copilot subscriptions can configure their settings on GitHub.com.

GitHub Copilot can be managed through personal accounts with GitHub Copilot for Individuals or through organization accounts with GitHub Copilot for Business.

GitHub Copilot is free to use for verified students, teachers, and maintainers of popular open source projects. If you are not a student, teacher, or maintainer of a popular open source project, you can try GitHub Copilot for free with a one-time 30-day trial. After the free trial, you will need a paid subscription for continued use. For more information, see "About billing for GitHub Copilot."

About GitHub Copilot settings on GitHub.com

In addition to the configuration for the GitHub Copilot plugin in your supported IDE, you can configure settings for GitHub Copilot on GitHub.com. The settings apply wherever you use GitHub Copilot.

Configuring GitHub Copilot settings on GitHub.com

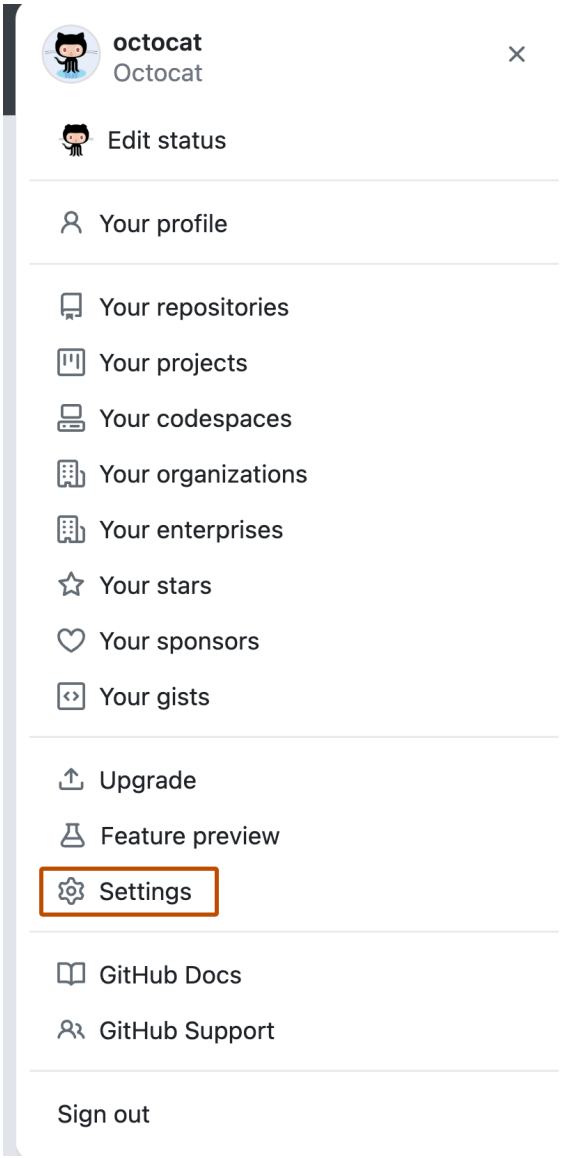
Once you have an active GitHub Copilot trial or subscription, you can adjust GitHub Copilot settings for your personal account on GitHub in the GitHub Copilot settings. The settings apply anywhere that you use GitHub Copilot. You can configure the suggestions that GitHub Copilot offers and how GitHub uses your telemetry data.

Enabling or disabling duplication detection

Note: If you are a member of an organization on GitHub Enterprise Cloud who has been assigned a GitHub Copilot seat through your organization, you will not be able to configure duplication detection in your personal account settings. Your duplication detection setting will be inherited from your organization or enterprise.

GitHub Copilot includes a filter which detects code suggestions matching public code on GitHub. You can choose to enable or disable the filter. When the filter is enabled, GitHub Copilot checks code suggestions with their surrounding code of about 150 characters against public code on GitHub. If there is a match or near match, the suggestion will not be shown to you.

1. In the upper-right corner of any page, click your profile photo, then click **Settings**.

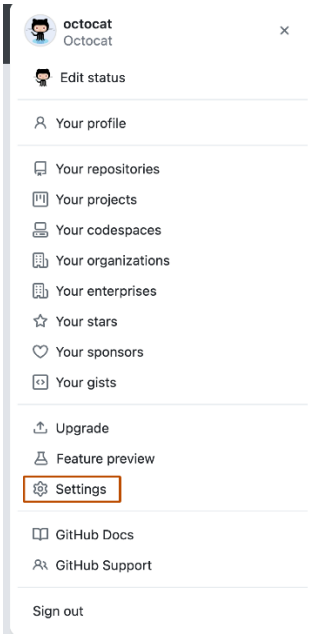


2. In the left sidebar, click **GitHub Copilot**.
3. Under **Suggestions matching public code**, select the dropdown menu, then click **Allow** to allow suggestions matching public code, or **Block** to block suggestions matching public code.
4. To confirm your new settings, click **Save**.

Enabling or disabling code snippet collection

Note: Copilot for Business does not retain any Prompts or Suggestions.
You can choose whether your Prompts and Suggestions are collected and retained by GitHub and further processed and shared with Microsoft and by adjusting your user settings. For more information about data that GitHub Copilot may collect depending on your telemetry settings, see "GitHub Terms for Additional Products and Features" and the GitHub Copilot privacy FAQ.

1. In the upper-right corner of any page, click your profile photo, then click **Settings**.



2. In the left sidebar, click **GitHub Copilot**.
3. To allow or prevent GitHub using your telemetry data, select or deselect **Allow GitHub to use my code snippets for product improvements**.
4. To confirm your new settings, click **Save**.

Configuring GitHub Copilot in your environment

You can enable, configure, or disable GitHub Copilot in a supported IDE.

JetBrains IDEs (Beta)Vim/NeovimVisual StudioVisual Studio Code

GitHub Copilot can be managed through personal accounts with GitHub Copilot for Individuals or through organization accounts with GitHub Copilot for Business.

GitHub Copilot is free to use for verified students, teachers, and maintainers of popular open source projects. If you are not a student, teacher, or maintainer of a popular open source project, you can try GitHub Copilot for free with a one-time 30-day trial. After the free trial, you will need a paid subscription for continued use. For more information, see "About billing for GitHub Copilot."

About GitHub Copilot in JetBrains IDEs

If you use a JetBrains IDE, GitHub Copilot can autocomplete code as you type. After installation, you can enable or disable GitHub Copilot, and you can configure advanced settings within your IDE or on GitHub.com. This article describes how to configure GitHub Copilot in the IntelliJ IDE, but the user interfaces of other JetBrains IDEs may differ.

Prerequisites

To configure GitHub Copilot in a JetBrains IDE, you must install the GitHub Copilot plugin. For more information, see "Getting started with GitHub Copilot."

Using or rebinding keyboard shortcuts for GitHub Copilot

You can use the default keyboard shortcuts for inline suggestions in your JetBrains IDE when using GitHub Copilot. Alternatively, you can rebind the shortcuts to your preferred keyboard shortcuts for each specific command. For more information on rebinding keyboard shortcuts in your JetBrains IDE, see the JetBrains documentation. For example, you can view the IntelliJ IDEA documentation.

Keyboard shortcuts for macOS

Action	Shortcut
Accept an inline suggestion	Tab
Dismiss an inline suggestion	Esc

Action	Shortcut
Show next inline suggestion	`Option (⌥) or Alt+]`
Show previous inline suggestion	`Option (⌥) or Alt+[`
Trigger inline suggestion	`Option (⌥)+\`
Open GitHub Copilot (additional suggestions in separate pane)	`Option (⌥) or Alt+Return`

Keyboard shortcuts for Windows

Action	Shortcut
Accept an inline suggestion	`Tab`
Dismiss an inline suggestion	`Esc`
Show next inline suggestion	`Alt+]`
Show previous inline suggestion	`Alt+[`
Trigger inline suggestion	`Alt+\`
Open GitHub Copilot (additional suggestions in separate pane)	`Alt+Enter`

Keyboard shortcuts for Linux

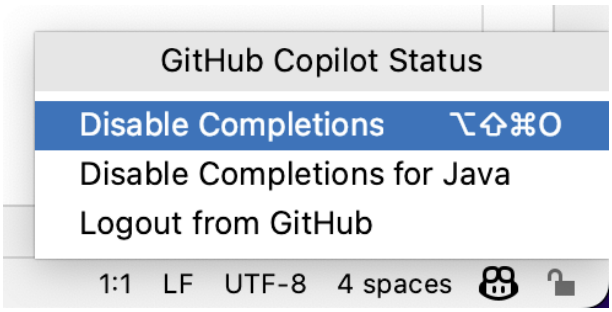
Action	Shortcut
Accept an inline suggestion	`Tab`
Dismiss an inline suggestion	`Esc`
Show next inline suggestion	`Alt+]`
Show previous inline suggestion	`Alt+[`
Trigger inline suggestion	`Alt+\`
Open GitHub Copilot (additional suggestions in separate pane)	`Alt+Enter`

Enabling or disabling GitHub Copilot

You can enable or disable GitHub Copilot from within your JetBrains IDE. The GitHub Copilot status icon in the bottom panel of the JetBrains window indicates whether GitHub Copilot is enabled or disabled. When enabled, the icon is highlighted. When disabled, the icon is grayed out.

1. To enable or disable GitHub Copilot, click the status icon in the bottom panel on the right of the JetBrains window.

2. If you are disabling GitHub Copilot, you will be asked whether you want to disable it globally, or for the language of the file you are currently editing. To disable globally, click **Disable Completions**. Alternatively, click the language-specific button to disable GitHub Copilot for the specified language.



Configuring advanced settings for GitHub Copilot

You can manage advanced settings for GitHub Copilot in your JetBrains IDE, such as how your IDE displays code completions, and which languages you want to enable or disable for GitHub Copilot.

1. In your JetBrains IDE, click the **File** menu, then click **Settings**.
2. Under **Languages & Frameworks**, click **GitHub Copilot**.
3. Edit the settings according to your personal preferences.
    - To adjust the behavior and appearance of code suggestions, and whether to automatically check for updates, select or deselect the corresponding checkboxes.
    - If you have selected to receive automatic updates, you can choose whether to receive stable, but less frequent updates, or nightly updates, which may be less stable. Click the **Update channel** dropdown and select **Stable** for stable updates, or **Nightly** for nightly updates.
    - Under "Disabled languages," use the checkboxes to select or deselect the languages you want to disable GitHub Copilot for.

Configuring proxy settings for GitHub Copilot

You can configure GitHub Copilot to connect through an HTTP proxy server in a JetBrains IDE. GitHub Copilot supports basic HTTP proxy setups, with or without basic authentication.

1. In your JetBrains IDE, click the **File** menu, then click **Settings**.
2. Under **Appearance & Behavior**, click **System Settings** and then click **HTTP Proxy**.
3. Select **Manual proxy configuration**, and then select **HTTP**.
4. In the "Host name" field, enter the hostname of your proxy server, and in the "Port number" field, enter the port number of your proxy server.

5. Optionally, in the left sidebar, click **Tools** and then click **Server Certificates**. Then select or deselect **Accept non-trusted certificates automatically**, depending on whether you want to accept non-trusted certificates automatically.

Configuring GitHub Copilot settings on GitHub.com

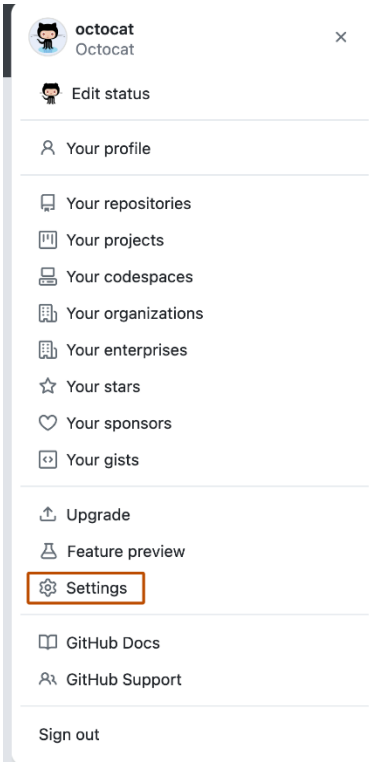
Once you have an active GitHub Copilot trial or subscription, you can adjust GitHub Copilot settings for your personal account on GitHub in the GitHub Copilot settings. The settings apply anywhere that you use GitHub Copilot. You can configure the suggestions that GitHub Copilot offers and how GitHub uses your telemetry data.

Enabling or disabling duplication detection

Note: If you are a member of an organization on GitHub Enterprise Cloud who has been assigned a GitHub Copilot seat through your organization, you will not be able to configure duplication detection in your personal account settings. Your duplication detection setting will be inherited from your organization or enterprise.

GitHub Copilot includes a filter which detects code suggestions matching public code on GitHub. You can choose to enable or disable the filter. When the filter is enabled, GitHub Copilot checks code suggestions with their surrounding code of about 150 characters against public code on GitHub. If there is a match or near match, the suggestion will not be shown to you.

1. In the upper-right corner of any page, click your profile photo, then click **Settings**.



2. In the left sidebar, click **GitHub Copilot**.
3. Under **Suggestions matching public code**, select the dropdown menu, then click **Allow** to allow suggestions matching public code, or **Block** to block suggestions matching public code.

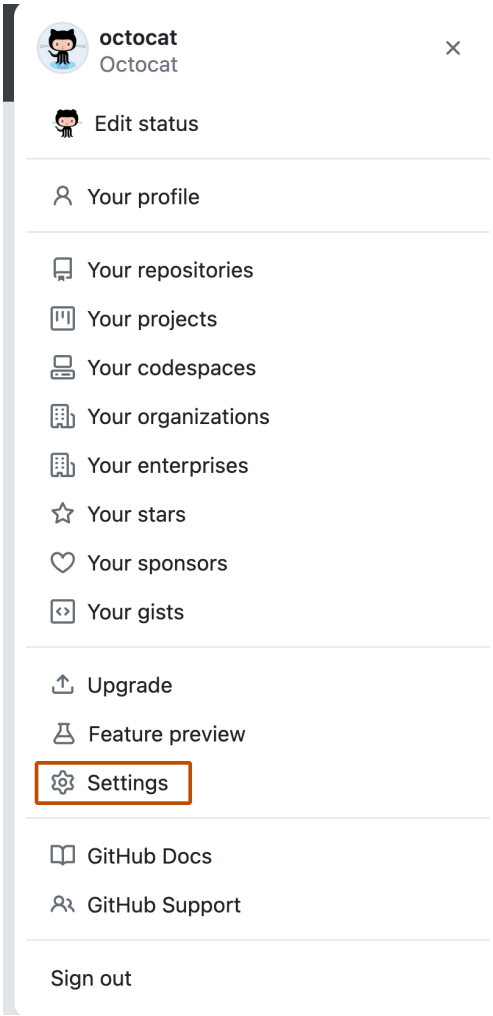
4. To confirm your new settings, click **Save**.

Enabling or disabling code snippet collection

Note: Copilot for Business does not retain any Prompts or Suggestions.

You can choose whether your Prompts and Suggestions are collected and retained by GitHub and further processed and shared with Microsoft and by adjusting your user settings. For more information about data that GitHub Copilot may collect depending on your telemetry settings, see "GitHub Terms for Additional Products and Features" and the GitHub Copilot privacy FAQ.

1. In the upper-right corner of any page, click your profile photo, then click **Settings**.



2. In the left sidebar, click **GitHub Copilot**.
3. To allow or prevent GitHub using your telemetry data, select or deselect **Allow GitHub to use my code snippets for product improvements**.
4. To confirm your new settings, click **Save**.