

# Stopping and starting a codespace

## In this article

- About stopping and starting a codespace
- Stopping a codespace
- Restarting a codespace
- Further reading

You can stop and start your codespace to save resources and to pause work.

[GitHub CLI](#)
[JetBrains IDEs \(Beta\)](#)
[Visual Studio Code](#)
[Web browser](#)

**Note:** Using GitHub Codespaces with JetBrains IDEs is currently in public beta and is subject to change.

## About stopping and starting a codespace

You can stop a codespace at any time. When you stop a codespace, any running processes are stopped. Any saved changes in your codespace will still be available when you next start it. The terminal history is preserved, but the visible contents of the terminal window are not preserved between codespace sessions.

If you do not explicitly stop a codespace, it will continue to run until it times out from inactivity. Closing a codespace does not stop the codespace. For example, if you're using a codespace in the VS Code web client and you close the browser tab, the codespace remains running on the remote machine. For information about timeouts, see "[Understanding the codespace lifecycle](#)."

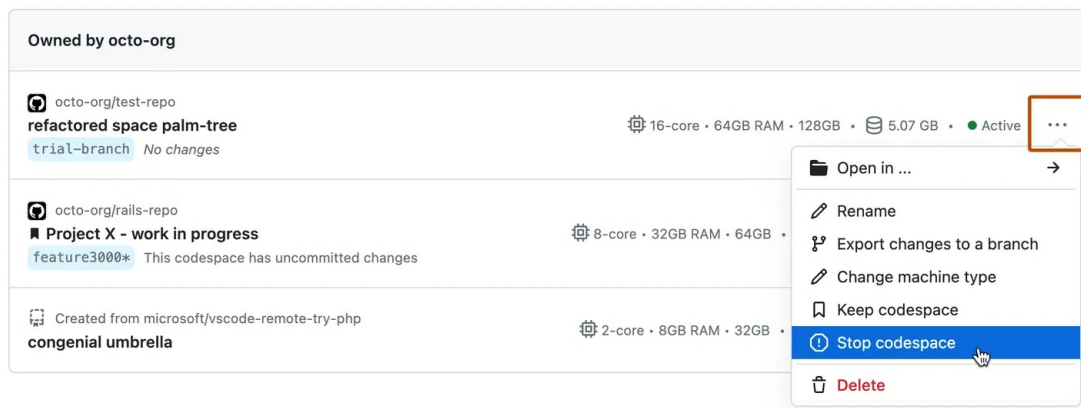
Only running codespaces incur CPU charges. A stopped codespace incurs only storage costs.

You may want to stop and restart a codespace to apply changes to it. For example, if you change the machine type used for your codespace, you will need to stop and restart it for the change to take effect. You can also stop your codespace and choose to restart or delete it if you encounter an error or something unexpected.

Regardless of where you created or access your codespaces, you can view and manage them in your browser at <https://github.com/codespaces>.

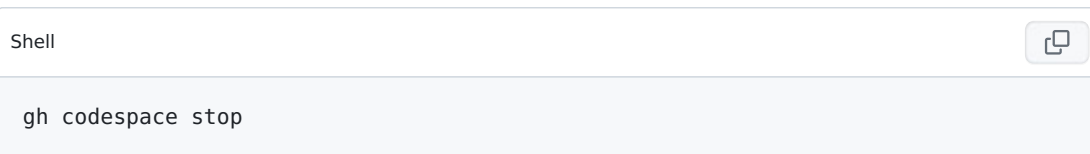
## Stopping a codespace

- 1 Navigate to the "Your Codespaces" page at <https://github.com/codespaces>.
- 2 To the right of the codespace you want to stop, click the ellipsis (...).
- 3 Click **Stop codespace**.



To learn more about GitHub CLI, see "[About GitHub CLI](#)."

To stop a codespace use the `gh codespace stop` subcommand and then choose the codespace you want to stop from the list that's displayed.

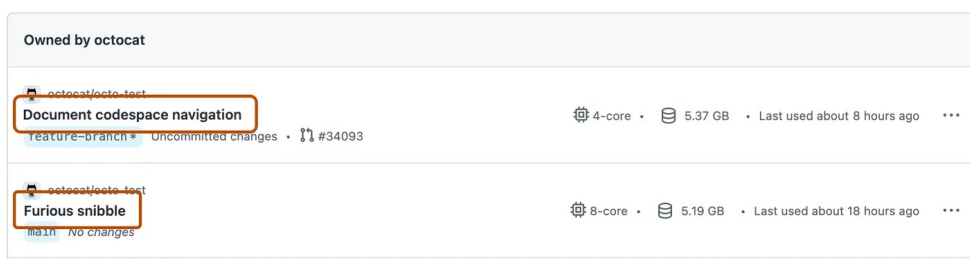


- 1 Open the VS Code Command Palette ( `Shift + Command + P` (Mac) / `Ctrl + Shift + P` (Windows/Linux)).
- 2 Type `stop` and select **Codespaces: Stop Codespace** from the list of options.
- 3 In the list of codespaces, select the codespace you want to stop.

You can stop a codespace from the "Your codespaces" page (see [the web browser instructions](#)) or by using GitHub CLI (see [the CLI instructions](#)).

## Restarting a codespace [↗](#)

- 1 Navigate to the "Your Codespaces" page at <https://github.com/codespaces>.
- 2 Click the name of the codespace you want to restart.



When you restart a codespace you can choose to open it in Visual Studio Code or in your browser.

- To restart a codespace and open it in Visual Studio Code, use the `gh codespace code` subcommand and then choose the codespace you want to restart from the list that's displayed.



```
gh codespace code
```

- To restart a codespace and open it in your browser, use the `gh codespace open --web` subcommand and then choose the codespace you want to restart from the list that's displayed.

Shell



```
gh codespace open --web
```

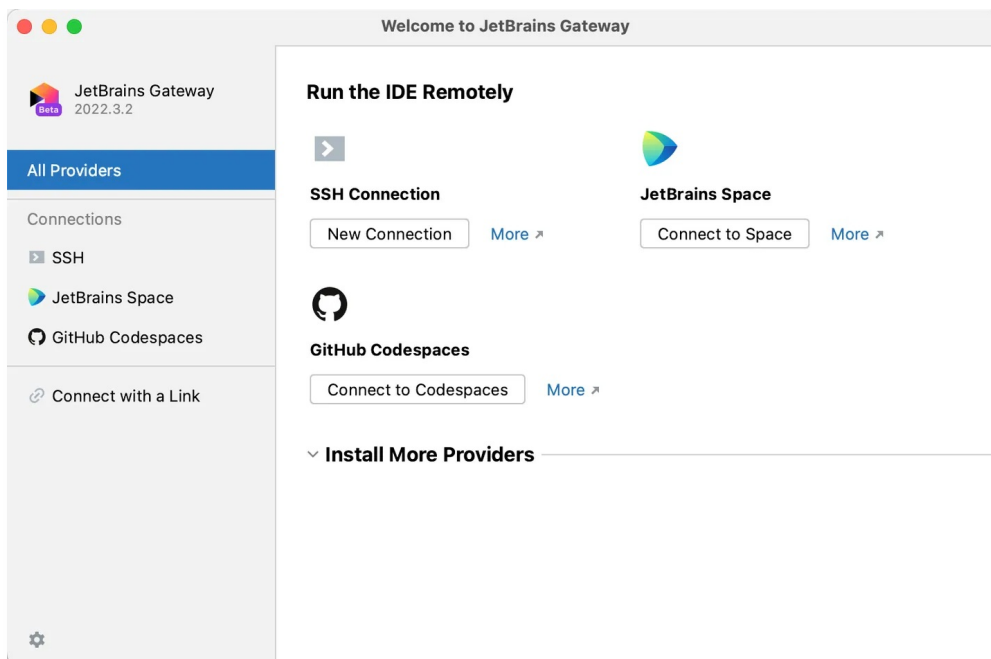
- 1 Open the VS Code Command Palette ( `Shift + Command + P` (Mac) / `Ctrl + Shift + P` (Windows/Linux)).
- 2 Type `connect` and select **Codespaces: Connect to Codespace** from the list of options.
- 3 In the list of codespaces, select the codespace you want to restart.

If you have set the JetBrains Gateway as your default editor, then the Gateway will launch automatically when you open a codespace from GitHub.com.

If the JetBrains Gateway is not your default editor, you can still open a codespace in JetBrains by going to the "Your codespaces" page at [github.com/codespaces](https://github.com/codespaces) and clicking the ellipsis (...) to the right of the codespace you want to open. For more information, see "[Opening an existing codespace](#)."

Alternatively, you can also open the JetBrains Gateway and select an existing codespace, as described in the following procedure.

- 1 Open the JetBrains Gateway application.
- 2 Click **Connect to Codespaces**.



- 3 The first time you connect, you're prompted to choose whether you want to allow GitHub to collect anonymized usage data, to improve functionality and user experience. Click **Allow** or **Deny**.

You can change your choice later, if required, in the settings for the GitHub

Codespaces plugin, which you can access within the JetBrains Gateway settings.

- 4 In the "Your Codespaces" list, click the codespace you want to work in.

Welcome to JetBrains Gateway

## GitHub Codespaces

A GitHub Codespace is a customizable reproducible remote development environment for a project hosted in a GitHub repository.

[Documentation](#)

### Your Codespaces

[Manage Codespaces on GitHub](#)

github/octo-repo			
my octocat codespace	hubwriter-turbo-trout-65v45jj5q69347v9		Last used 1 hour 27 minutes ago
main*	0 ↓ 0 ↑	16-core	Created 1 hour 29 minutes ago

github/docs-internal			
urban meme	hubwriter-urban-meme-65v45jj5q69347v9		Last used 1 hour 49 minutes ago
main	0 ↓ 0 ↑	4-core	Created 4 days ago
Screenshot accessibility work	hubwriter-screenshot-accessibility-work-j7rq...		Last used 3 hours 17 minutes ago
screenshot-accessibility*	0 ↓ 0 ↑	32-core	Created 6 days ago
fantastic palm-tree	hubwriter-fantastic-palm-tree-65v45jj5q69347v9		Last used 2 days 3 hours ago
main	0 ↓ 0 ↑	32-core	Created 2 days 3 hours ago
Remove "trial" from Copilot	hubwriter-turbo-trout-p956jg4xvgh7w74		Last used 11 days 21 hours ago
hubwriter/version-trial-fpt*	0 ↓ 0 ↑	32-core	Created 1 month 28 days ago

Expecting to see additional codespaces here? You may need to authorize your organization. [Click here](#) to update your authorization.

[Back to Gateway](#)

- 5 In the "Available IDEs" list, click the JetBrains IDE you want to use. The Gateway will remember your choice the next time you connect to a codespace.

Welcome to JetBrains Gateway

## GitHub Codespaces

A GitHub Codespace is a customizable reproducible remote development environment for a project hosted in a GitHub repository.

[Documentation](#)

### Selected Codespace

[Clear Selection](#)

github/octo-repo			
my octocat codespace	hubwriter-turbo-trout-65v45jj5q69347v9		Last used 1 hour 28 minutes ago
main*	0 ↓ 0 ↑	16-core	Created 1 hour 29 minutes ago

### Select IDE

IntelliJ IDEA	2022.3
IntelliJ IDEA	2022.3
RubyMine	2022.3
PyCharm	2022.3
PhpStorm	2022.3
WebStorm	2022.3
Rider	2022.3.2
GoLand	2022.3

[Back](#) [Connect](#)

- 6 Click **Connect**.

#### Notes:

- If you chose Rider as your JetBrains IDE and the repository contains multiple solution files, the "Set Solution Path" dialog is displayed prompting you to choose which solution

you want to work in. Choose a solution file from the dropdown menu and click **OK**.

If the repository doesn't have a solution file, Rider opens in a basic project directory view and will have limited capabilities. For instance, you won't get .NET-specific code navigation. If there is just a single solution file in the repository it will be used automatically, without the prompt being displayed. For more information, see "[Create and open projects and solutions](#)" in the JetBrains documentation.

- If you are running a firewall, then the first time you connect to a remote resource you may be prompted to allow the JetBrains Gateway to communicate across your network.

## Further reading

---

- "[Understanding the codespace lifecycle](#)"

### Legal

© 2023 GitHub, Inc. [Terms](#) [Privacy](#) [Status](#) [Pricing](#) [Expert services](#) [Blog](#)