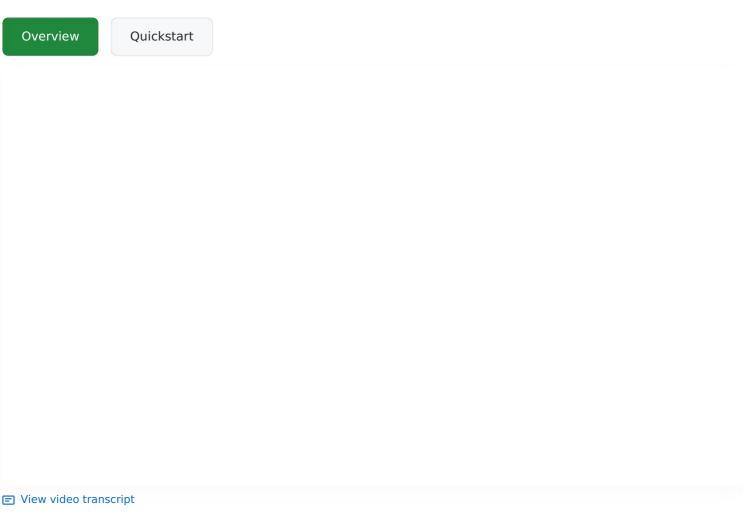
GitHub Codespaces



GitHub Codespaces documentation

Create a codespace to start developing in a secure, configurable, and dedicated development environment that works how and where you want it to.



Start here View all →

Enabling or disabling GitHub Codespaces for your organization

You can control which users can use GitHub Codespaces in your organization's private and internal repositories.

Understanding the codespace lifecycle

You can develop in a GitHub Codespaces environment and maintain your data throughout the entire codespace lifecycle.

Introduction to dev containers

When you work in a codespace, the environment you are working in is created using a development container, or dev container, hosted on a virtual machine.

You can manage the repositories that GitHub Codespaces can access.

Set up your project

Setting up a Node.js project for GitHub Codespaces

Get started with a Node.js, JavaScript, or TypeScript project in GitHub Codespaces by creating a custom dev container configuration.

Setting up a Python project for GitHub Codespaces

Get started with a Python project in GitHub Codespaces by creating a custom dev container configuration.

Setting up a Java project for GitHub Codespaces

Get started with a Java project in GitHub Codespaces by creating a custom dev container configuration.

Setting up a C# (.NET) project for GitHub Codespaces

Get started with a C# (.NET) project in GitHub Codespaces by creating a custom dev container configuration.

What's new View all →

Codespaces Repository Access and Security Setting Removal

October 19

GitHub Codespaces GPU Limited Beta Update

August 24

Codespaces gives you a free upgrade

August 04

Guides @

Deep dive into GitHub Codespaces

Understand how GitHub Codespaces works.

@GitHub

Creating a codespace for a repository

You can create a codespace for a branch in a repository to develop online.

@GitHub

Creating a codespace from a template

If you're starting a new project, you can create a codespace from a blank template or choose a template specially designed for the type of work you want to do.

@GitHub

Opening an existing codespace

You can reopen a codespace that you have closed or stopped and return to your work.

@GitHub

Explore guides →

All GitHub Codespaces docs &

Getting started with GitHub Codespaces

Quickstart for GitHub Codespaces

Understanding the codespace lifecycle

Deep dive into GitHub Codespaces

Developing in a codespace

Developing in a codespace

Creating a codespace for a repository

Creating a codespace from a template

Deleting a codespace

Opening an existing codespace

Working collaboratively in a codespace

Using source control in your codespace

<u>Using GitHub Codespaces for pull requests</u>

Stopping and starting a codespace

Forwarding ports in your codespace

Rebuilding the container in a codespace

Default environment variables for your codespace

Persisting environment variables and temporary files

Connecting to a private network

Getting started with GitHub Codespaces for machine learning

Using GitHub Codespaces in Visual Studio Code

Using GitHub Codespaces in your JetBrains IDE

Using GitHub Codespaces with GitHub CLI

Customizing your codespace

Personalizing GitHub Codespaces for your account

Renaming a codespace

Changing the shell in a codespace

Changing the machine type for your codespace

Setting your default editor for GitHub Codespaces

Setting your default region for GitHub Codespaces

Setting your timeout period for GitHub Codespaces

Configuring automatic deletion of your codespaces

Setting up your project for GitHub Codespaces

Adding a dev container configuration to your repository • 6 articles

Configuring dev containers • 4 articles

Setting up your repository for GitHub Codespaces • 2 articles

Prebuilding your codespaces

About GitHub Codespaces prebuilds

Configuring prebuilds

Allowing a prebuild to access other repositories

Managing prebuilds

Testing dev container configuration changes on a prebuild-enabled branch

Managing your codespaces

Managing secrets for your codespaces

Managing access to other repositories within your codespace

Reviewing your security logs for GitHub Codespaces

Managing GPG verification for GitHub Codespaces

Managing GitHub Codespaces for your organization

Enabling or disabling GitHub Codespaces for your organization

Choosing who owns and pays for codespaces in your organization

<u>Listing the codespaces in your organization</u>

Managing the cost of GitHub Codespaces in your organization

Managing secrets for your repository and organization for GitHub Codespaces

Managing repository access for your organization's codespaces

Reviewing your organization's audit logs for GitHub Codespaces

Restricting access to machine types

Restricting the number of organization-billed codespaces a user can create

Restricting the base image for codespaces

Burney and the second of the second

Restricting the visibility of forwarded ports

Restricting the idle timeout period

Restricting the retention period for codespaces

Reference

Allowing your codespace to access a private registry

Using GitHub Copilot in GitHub Codespaces

Using the GitHub Codespaces plugin for JetBrains

Using the Visual Studio Code Command Palette in GitHub Codespaces

Security in GitHub Codespaces

Disaster recovery for GitHub Codespaces

Troubleshooting GitHub Codespaces

GitHub Codespaces logs

Troubleshooting GitHub Codespaces clients

Getting the most out of your included usage

Exporting changes to a branch

Troubleshooting creation and deletion of codespaces

Troubleshooting authentication to a repository

Troubleshooting your connection to GitHub Codespaces

Troubleshooting prebuilds

Troubleshooting personalization options for GitHub Codespaces

<u>Troubleshooting port forwarding for GitHub Codespaces</u>

Troubleshooting GPG verification for GitHub Codespaces

Working with support for GitHub Codespaces

Legal

© 2023 GitHub, Inc. Terms Privacy Status Pricing Expert services Blog