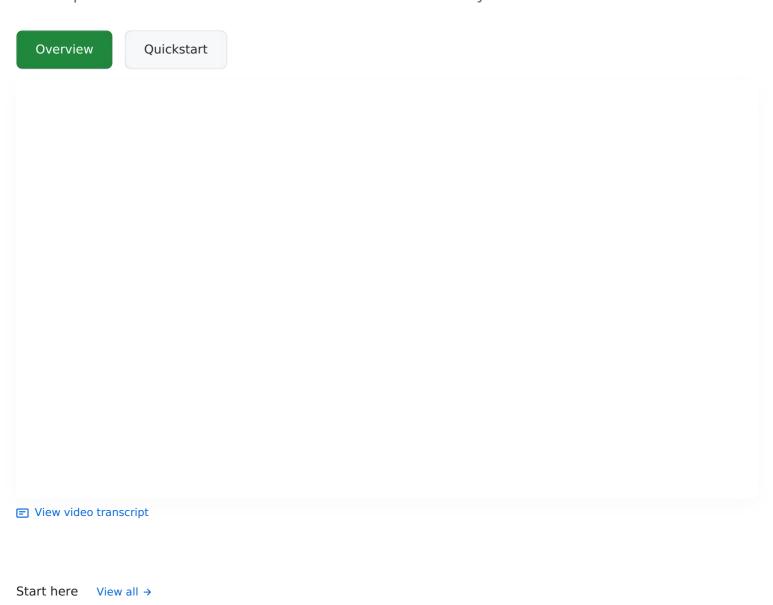


GitHub Codespaces

# **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.



### **Enabling or disabling GitHub Codespaces for your organization**

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

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## Creating a codespace for a repository

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

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## 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.

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## Opening an existing codespace

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

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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

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### **Prebuilding your codespaces**

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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

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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

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