

# Configuring default setup for code scanning at scale

## In this article

About configuring default setup at scale

Configuring default setup for all eligible repositories in an organization

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You can quickly configure code scanning for repositories across your organization using default setup.

Code scanning is available for all public repositories on GitHub.com. Code scanning is also available for private repositories owned by organizations that use GitHub Enterprise Cloud and have a license for GitHub Advanced Security. For more information, see "[About GitHub Advanced Security](#)."

## About configuring default setup at scale [↗](#)

With default setup for code scanning, you can quickly secure code in repositories across your organization.

You can use the organization settings page labeled "Code security and analysis" to enable code scanning for all repositories in your organization that are eligible for default setup. For more information, see "[Configuring default setup for all eligible repositories in an organization](#)."

You can also create different default setup configurations for individual repositories. For more information on configuring default setup at the repository level, see "[Configuring default setup for code scanning](#)."

For repositories that are not eligible for default setup, you can configure advanced setup at the repository level, or at the organization level using a script. For more information, see "[Configuring advanced setup for code scanning with CodeQL at scale](#)."

## Eligible repositories for CodeQL default setup at scale [↗](#)

A repository must meet all the following criteria to be eligible for default setup, otherwise you need to use advanced setup.

- Code scanning is not already enabled.
- GitHub Actions are enabled.
- Uses any CodeQL-supported language.
- Publicly visible.

## About adding languages to an existing default setup configuration [↗](#)

If the code in a repository changes to include a CodeQL-supported language, GitHub will automatically update the code scanning configuration to include the new language. If

code scanning fails with the new configuration, GitHub will resume the previous configuration automatically so the repository does not lose code scanning coverage.

## Configuring default setup for all eligible repositories in an organization

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Through the "Code security and analysis" page of your organization's settings, you can enable default setup for all eligible repositories in your organization. For more information on repository eligibility, see "[Eligible repositories for CodeQL default setup at scale](#)."

- 1 Click your profile photo, then click **Organizations**.
- 2 Click **Settings** next to your organization.
- 3 Click **Code security & analysis**.
- 4 Click **Enable all** next to "Code scanning".
- 5 In the "Query suites" section of the "Enable code scanning default setup" dialog box displayed, select the query suite your configuration of default setup will run. For more information, see "[Built-in CodeQL query suites](#)."
- 6 To enable your configuration of default setup, click **Enable for eligible repositories**.
- 7 Optionally, to recommend the "Extended" query suite throughout your organization when enabling default setup, select "Recommend the extended query suite for repositories enabling default setup."

### Notes:

- If you disable CodeQL code scanning for all repositories this change is not reflected in the coverage information shown in security overview for the organization. The repositories will still appear to have code scanning enabled in the "Security Coverage" view.
- Enabling code scanning for all eligible repositories in an organization will not override existing code scanning configurations. For information on configuring default setup with different settings for specific repositories, see "[Configuring default setup for code scanning](#)."

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