



Finding security vulnerabilities and errors in your code with code scanning

Keep your code secure by using code scanning to identify and fix potential security vulnerabilities and other errors in your code.

Code scanning is available for organization-owned repositories in GitHub Enterprise Server. This feature requires a license for GitHub Advanced Security. For more information, see "About GitHub Advanced Security."

Introduction to code scanning

About code scanning

About code scanning with CodeQL

Enabling code scanning

Configuring default setup for code scanning

Configuring default setup for code scanning at scale

Creating an advanced setup for for code scanning

Configuring advanced setup for code scanning

Customizing your advanced setup for code scanning

CodeQL code scanning for compiled languages

Configuring advanced setup for code scanning with CodeQL at scale

Recommended hardware resources for running CodeQL

Running CodeQL code scanning in a container

Managing code scanning alerts

About code scanning alerts

Managing code scanning alerts for your repository

Triaging code scanning alerts in pull requests

Managing your code scanning configuration

About the tool status page for code scanning

Editing your configuration of default setup

Built-in CodeQL guery suites

Viewing code scanning logs

Integrating with code scanning

About integration with code scanning

Using code scanning with your existing CI system

Uploading a SARIF file to GitHub

SARIF support for code scanning

Troubleshooting code scanning

A particular language is causing default setup to fail

<u>Error: "Advanced Security must be enabled for this repository to use code scanning"</u>

Alerts found in generated code

Automatic build failed for a compiled language

Code scanning analysis takes too long

CodeQL scanned fewer lines than expected

Enabling default setup takes too long

Extraction errors in the database

Logs are not detailed enough

Error: "No source code was seen during the build" or "The process '/opt/hostedtoolcache/CodeQL/0.0.0-20200630/x64/codeql/codeql' failed with exit code 32"

Error: "is not a .ql file, .qls file, a directory, or a query pack specification"

Error: "Out of disk" or Error: "Out of memory"

Some languages were not analyzed with CodeQL advanced setup

Results are different than expected

Two CodeQL workflows

Unclear what triggered a workflow run

Warning: "1 issue was detected with this workflow: git checkout HEAD^2 is no longer necessary"

Troubleshooting SARIF uploads

Upload fails because GitHub Advanced Security is disabled

Upload was rejected because CodeQL default setup is enabled for code scanning

GitHub token is required to upload SARIF results

SARIF file is invalid

SARIF results file is too large

SARIF results exceed one or more limits

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