Troubleshooting code scanning

When analyzing your code with code scanning, you may need to troubleshoot unexpected issues.

A particular language is causing default setup to fail

When you enable default setup, all languages selected for analysis must be successfully analyzed, or the configuration of default setup will fail.

Error: "Advanced Security must be enabled for this repository to use code scanning"

If you see this error, make sure that GitHub Advanced Security is enabled.

Alerts found in generated code

When analyzing your code with code scanning, you may wish to build only the code which you wish to analyze.

Automatic build failed for a compiled language

If automatic build fails, you can configure code scanning to use specific build steps for compiled languages.

Code scanning analysis takes too long

You can fine tune your code scanning configuration to minimize analysis time.

CodeQL scanned fewer lines than expected

If CodeQL analyzed less code than than you expected, you may need to use a custom build command.

Enabling default setup takes too long

If you think that enabling default setup has stalled, you can restart the process.

Extraction errors in the database

You can check whether or not extraction errors affect the health of the CodeQL database created.

Logs are not detailed enough

If you'd like to increase the level of detail in your logs, try these steps.

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"

When CodeQL fails to find any source code, you need to resolve this problem to unblock code scanning analysis.

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

CodeQL was unable to locate one of the queries or sets of queries that are specified for analysis.

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

If you see one of these errors with GitHub Actions, try reviewing the specifications of your self-hosted runners.

Some languages were not analyzed with CodeQL advanced setup

If some languages were not analyzed, you can modify your code scanning workflow to add a matrix specifying the languages you want to analyze.

Results are different than expected

If your code scanning results are different than you expected, you can check which configurations are active.

Two CodeQL workflows

If you see two workflows named "CodeQL", one workflow may be a pre-existing CodeQL workflow file which has been disabled by default setup.

Unclear what triggered a workflow run

If you don't know what triggered an analysis, investigate the tool status page or look at the log for the last scan.

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

If you see this warning, you should update your workflow to follow current best practice.