

Built-in CodeQL query suites

In this article

About CodeQL query suites

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Further reading

You can choose from different built-in CodeQL query suites to use in your CodeQL code scanning setup.

Code scanning is available for all public repositories on GitHub.com. To use code scanning in a private repository owned by an organization, you must have a license for GitHub Advanced Security. For more information, see "[About GitHub Advanced Security](#)."

About CodeQL query suites [↗](#)

With CodeQL code scanning, you can select a specific group of CodeQL queries, called a CodeQL query suite, to run against your code. The following built-in query suites are available through GitHub:

- the `default` query suite.
- the `security-extended` query suite. This suite is referred to as the "Extended" query suite on GitHub.

Currently, both the `default` query suite and the `security-extended` query suite are available for default setup for code scanning. Additionally, organization owners and security managers can recommend a query suite for use with default setup throughout their organization. For more information on configuring default setup for individual repositories, see "[Configuring default setup for code scanning](#)." For more information on configuring default setup at scale and recommending a query suite, see "[Configuring default setup for code scanning at scale](#)."

To use a custom query suite, you must configure advanced setup for CodeQL code scanning. For more information on advanced setups and creating a query suite, see "[Configuring advanced setup for code scanning](#)" and "[Creating CodeQL query suites](#)."

Built-in CodeQL query suites [↗](#)

The built-in CodeQL query suites, `default` and `security-extended`, are created and maintained by GitHub. Both of these query suites are available for every CodeQL-supported language. For more information on CodeQL-supported languages, see "[About code scanning with CodeQL](#)."

`default` query suite [↗](#)

- The `default` query suite is the group of queries run by default in CodeQL code scanning on GitHub.
- The queries in the `default` query suite are highly precise and return few false

positive code scanning results. Relative to the `security-extended` query suite, the `default` suite returns fewer low-confidence code scanning results.

- This query suite is available for use with default setup for code scanning.

security-extended query suite

- The `security-extended` query suite consists of all the queries in the `default` query suite, plus additional queries with slightly lower precision and severity.
- Relative to the `default` query suite, the `security-extended` suite may return a greater number of false positive code scanning results.
- This query suite is available for use with default setup for code scanning, and is referred to as the "Extended" query suite on GitHub.

Further reading

- "[Creating CodeQL query suites](#)"

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