

pack resolve-dependencies

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[Experimental] [Plumbing] Compute the set of required dependencies for this QL pack.

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This content describes the most recent release of the CodeQL CLI. For more information about this release, see <https://github.com/github/codeql-cli-binaries/releases>.

To see details of the options available for this command in an earlier release, run the command with the `--help` option in your terminal.

Synopsis

Shell 

```
codeql pack resolve-dependencies <options>... -- <dir>
```

Description

[Experimental] [Plumbing] Compute the set of required dependencies for this QL pack.

This command searches the configured registries for required dependencies and returns the list of resolved dependencies.

Available since `v2.6.0`.

Options

Primary Options

`<dir>` 

The root directory of the package.

--format=<fmt> [↗](#)

Select output format, either `text` (*default*) or `json`.

--mode=<mode> [↗](#)

Specifies how to resolve dependencies:

`minimal-update` (*default*): Update or create the `codeql-pack.lock.yml` based on the existing contents of the `qlpack.yml` file. If any existing `codeql-pack.lock.yml` does not satisfy the current dependencies in the `qlpack.yml`, the lock file will be updated as necessary.

`upgrade` : Update or create the `codeql-pack.lock.yml` to use the latest versions of all dependencies, subject to the constraints in the `qlpack.yml` file.

`verify` : Verify that the existing `codeql-pack.lock.yml` is still valid with respect to the dependencies specified in the `qlpack.yml` file, or fail the lock file if it does not exist.

`no-lock` : Ignore the existing `codeql-pack.lock.yml` and perform resolution based on `qlpack.yml` file. Does not create or update the lock file.

`use-lock` : Use the existing `codeql-pack.lock.yml` file to resolve dependencies, or create the lock file if it does not exist.

`update` : [Deprecated] Update or create the `codeql-pack.lock.yml` to use the latest versions of all dependencies, subject to the constraints in the `qlpack.yml` file. Equivalent to 'upgrade'

--[no-]allow-prerelease [↗](#)

Allow packs with pre-release version qualifiers (e.g., `X.Y.Z-qualifier`) to be used. Without this flag, pre-release packs will be ignored.

Available since `v2.11.3`.

--no-strict-mode [↗](#)

[Advanced] Turn off strict mode to avoid a warning when resolving packages from the `--additional-packs`

and other locally resolved locations. Packages resolved locally are never downloaded and will not be added to the package lock.

--lock-override=<file> [↗](#)

[Advanced] Specifies an alternate lock file to use as the input to dependency resolution.

--lock-output=<file> [↗](#)

[Advanced] Specifies an alternate location to save the lock file generated by dependency resolution.

Available since `v2.14.1`.

Options for resolving QL packs outside of the package registry

[↗](#)

--search-path=<dir>[:<dir>...] [↗](#)

A list of directories under which QL packs may be found. Each directory can either be a QL pack (or bundle of packs containing a `.codeqlmanifest.json` file at the root) or the immediate parent of one or more such directories.

If the path contains more than one directory, their order defines precedence between them: when a pack name that must be resolved is matched in more than one of the directory trees, the one given first wins.

Pointing this at a checkout of the open-source CodeQL repository ought to work when querying one of the languages that live there.

If you have checked out the CodeQL repository as a sibling of the unpacked CodeQL toolchain, you don't need to give this option; such sibling directories will always be searched for QL packs that cannot be found otherwise. (If this default does not work, it is strongly recommended to set up `--search-path` once and for all in a per-user configuration file).

(Note: On Windows the path separator is `;`).

`--additional-packs=<dir>[:<dir>...]` [↗](#)

If this list of directories is given, they will be searched for packs before the ones in `--search-path`. The order between these doesn't matter; it is an error if a pack name is found in two different places through this list.

This is useful if you're temporarily developing a new version of a pack that also appears in the default path. On the other hand, it is *not recommended* to override this option in a config file; some internal actions will add this option on the fly, overriding any configured value.

(Note: On Windows the path separator is `;`).

Options for configuring the CodeQL package manager [↗](#)

`--registries-auth-stdin` [↗](#)

Authenticate to GitHub Enterprise Server Container registries by passing a comma-separated list of `<registry_url>=<token>` pairs.

For example, you can pass

```
https://containers.GHEHOSTNAME1/v2/=TOKEN1,https://containers.GHEHOSTNAME2/v2/=TOKEN2
```

 to authenticate to two GitHub Enterprise Server instances.

This overrides the `CODEQL_REGISTRIES_AUTH` and `GITHUB_TOKEN` environment variables. If you only need to authenticate to the `github.com` Container registry, you can instead authenticate using the simpler `--github-auth-stdin` option.

`--github-auth-stdin` [↗](#)

Authenticate to the `github.com` Container registry by passing a `github.com` GitHub Apps token or personal access token via standard input.

To authenticate to GitHub Enterprise Server Container registries, pass `--registries-auth-stdin` or use the `CODEQL_REGISTRIES_AUTH` environment variable.

This overrides the `GITHUB_TOKEN` environment variable.

Common options [↗](#)

`-h, --help` [↗](#)

Show this help text.

-J=<opt> 

[Advanced] Give option to the JVM running the command.

(Beware that options containing spaces will not be handled correctly.)

-v, --verbose 

Incrementally increase the number of progress messages printed.

-q, --quiet 

Incrementally decrease the number of progress messages printed.

--verbosity=<level> 

[Advanced] Explicitly set the verbosity level to one of errors, warnings, progress, progress+, progress++, progress+++. Overrides **-v** and **-q**.

--logdir=<dir> 

[Advanced] Write detailed logs to one or more files in the given directory, with generated names that include timestamps and the name of the running subcommand.

(To write a log file with a name you have full control over, instead give **--log-to-stderr** and redirect stderr as desired.)

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