pack upgrade

In this article

[Experimental] Update the dependencies for this pack to the latest available versions.

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 upgrade [--force] <options>... -- <dir>
```

Description

[Experimental] Update the dependencies for this pack to the latest available versions.

This command installs the latest compatible version of each dependency of the pack, updating the lock file with the newly acquired versions. Any existing lock file is ignored.

Available since `v2.6.3`.

Options

Primary Options

`<dir>`

The root directory of the package.

`--format=<fmt>`

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

`-f, --[no-]force`

Allow overwriting already existing packs.

`--[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`.

`--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`.

`--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.

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.)