

# resolve ram

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[Deep plumbing] Prepare RAM options.

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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 resolve ram [--ram=<MB>] <options>...
```

## Description

[Deep plumbing] Prepare RAM options.

This deep plumbing command prepares appropriate command-line options to start a subcommand that will execute a QL query evaluator. It knows appropriate heuristics for deciding whether to keep some of the configured memory outside the Java heap.

In particular, this should be used to find appropriate `-J-Xmx` and `--off-heap-ram` options before starting a query server based on a desired *total* RAM amount.

## Options

### Primary Options

`--format=<fmt>`

Select output format. Choices include:

`lines` (*default*): Print command-line arguments on one line each.

`json` : Print them as a JSON array.

## Options from the invoking command's command line [↗](#)

`-M, --ram=<MB>` [↗](#)

Set total amount of RAM the query evaluator should be allowed to use.

## 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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