Hadolint Dockerfile linter

CONCEPTS

Hadolint parses the Dockerfile into an AST, applies its own DLxxxx rules and runs ShellCheck (SCxxxx) on every RUN.

Dockerfile file or stdin
↓ parse
DL rules build best practices
↓ RUN lines
ShellCheck SC rules on shell
↓ filter
Report tty, json, sarif, ...
↓ threshold
Exit code 0 or 1

RUN IT

`hadolint <Dockerfile>`
Lint a file

`hadolint <Dockerfile> <Dockerfile2>`
Lint several files

`hadolint - < Dockerfile`
Read the Dockerfile from stdin

`docker run --rm -i hadolint/hadolint < Dockerfile`
Run without installing

`docker run --rm -i -v "$PWD/.hadolint.yaml:/.config/hadolint.yaml" hadolint/hadolint < Dockerfile`
Use a config in the container

`hadolint --version`
Show the version

`hadolint --help`
List all options

RULES AND SEVERITY

`--ignore <RULE>`
Ignore a rule (repeatable)

`--error <RULE>`
Raise a rule to error

RULES AND SEVERITY (cont.)

`--warning <RULE>`
Set a rule to warning

`--trusted-registry <host>`
Only allow FROM images from this registry

`--require-label <label>:<type>`
Require a label with a value type

FAILURE AND OUTPUT

`-t <level>` / `--failure-threshold <level>`
Exit non-zero from this severity up

`--no-fail`
Always exit 0

`-f <format>`
Choose the output format

`-f json`
JSON array of findings

`-f sarif`
SARIF for code scanning

INLINE PRAGMAS

`# hadolint ignore=<RULE>`
Ignore a rule for the next instruction

`# hadolint ignore=<RULE1>,<RULE2>`
Ignore several rules at once

`# hadolint global ignore=<RULE>`
Ignore a rule for the whole file

CONFIG FILE

`.hadolint.yaml`
Project config in the current directory

`-c <file>` / `--config <file>`
Use an explicit config file

`ignored: [DL3008, DL3059]`
List ignored rules

COMMON RULES

`DL3006`
Tag the base image version