# ansible-lint Ansible linter

**START HERE**

**`ansible-lint`**
Lint everything found

**`ansible-lint -x <rule>`**
Skip a rule

**`ansible-lint <playbook.yml>`**
Lint one file

**`ansible-lint -f json`**
Machine output

**`ansible-lint <dir>`**
Lint a folder

**`ansible-lint --fix`**
Auto-fix what it can

**`ansible-lint --profile <name>`**
Pick a strictness

**`ansible-lint -L`**
List all rules

**min** loads at all → **basic** style, syntax → **moderate** readability → **safety** deterministic → **shared** for Galaxy → **production** for AAP

Profiles are cumulative: each one includes the rules of the previous

## CONCEPTS

Without paths it auto-detects the project from the git root and lints playbooks, roles and collections it finds.

Rules can have sub-ids such as fqcn[action-core]; skipping or noqa-ing the bare id covers all of them.

Exit code 2 means violations, and warn-list rules still show but do not fail the run (unless --strict).

## RUN IT

**`ansible-lint`**
Lint the project (auto-detect)

**`ansible-lint <file> <dir>`**
Lint given files or folders

**`ansible-lint --fix`**
Apply all safe auto-fixes
*Also reformats YAML. Commit first so you can review the diff.*

**`ansible-lint --fix=<rule>,<tag>`**
Fix only chosen rules or tags

**`ansible-lint --profile <name>`**
Check a profile's rule set

**`ansible-lint --exclude <path>`**
Skip files or folders

## RUN IT (cont.)

**`ansible-lint -c <file>`**
Use a specific config file

**`ansible-lint --offline`**
No requirement installs or schema refresh

**`ansible-lint -s`**
Fail on warnings too

**`ansible-lint --version`**
Show version and ansible-core

## RULES AND PROFILES

**`ansible-lint -L`**
List all rules

**`ansible-lint -L -f brief`**
Rule ids with short text

**`ansible-lint -T`**
List tags and their rules

**`ansible-lint -P`**
Describe the profiles

**`ansible-lint -x <rule>`**
Skip rules or tags

**`ansible-lint -w <rule>`**
Only warn for these rules

**`ansible-lint -t <rule>`**
Check only these rules or tags

**`ansible-lint --enable-list <tag>`**
Turn on opt-in rules
*Rules tagged opt-in (e.g. no-log-password) are off by default.*

## RULES AND PROFILES (cont.)

**`ansible-lint --generate-ignore`**
Write .ansible-lint-ignore baseline

**`ansible-lint -i <file>`**
Use a specific ignore file

## OUTPUT

**`ansible-lint -f <format>`**
brief, full, md, pep8, quiet, json, sarif

**`ansible-lint -f json`**
Code Climate JSON on stdout

**`ansible-lint -f pep8`**
One line per finding

**`ansible-lint -f sarif --sarif-file <out>`**
SARIF file for code scanning

**`ansible-lint -q`**
Quieter output

**`ansible-lint -v / -vv`**
More verbose output

**`ansible-lint --nocolor`**
Plain output (NO_COLOR=1)

## INLINE SKIPS

**`# noqa: <rule>`**
Skip a rule on this line

**`# noqa: <rule1> <rule2>`**
Skip several rules on a line

## INLINE SKIPS (cont.)

**`tags: [skip_ansible_lint]`**
Skip a whole task (legacy)

Put the noqa comment on the line the violation is reported on; for a play or task name, that is the name line.

## CONFIG FILE

**`.ansible-lint`**
Default config, YAML in project root

**`profile: production`**
Default profile

**`exclude_paths: [<path>]`**
Paths never linted

**`skip_list: [<rule>]`**
Rules never reported

**`warn_list: [<rule>]`**
Rules reported as warnings

**`enable_list: [<tag>]`**
Opt-in rules to activate

**`offline: true`**
Never fetch requirements or schemas

**`strict: true`**
Warnings fail the run

**`mock_modules: [<name>]`**
Pretend a missing module exists

**`mock_roles: [<name>]`**
Pretend a missing role exists

## CONFIG FILE (cont.)

**`.ansible-lint-ignore`**
Per-file rule ignores, one per line
*Format: '<path> <rule>'. Created by --generate-ignore.*

## COMMON RULES

**`fqcn`**
Use fully qualified module names

**`name[missing]`**
Tasks need a name

**`name[casing]`**
Names start uppercase

**`yaml`**
YAML style (via yamllint)

**`no-changed-when`**
command/shell need changed_when

**`risky-file-permissions`**
Set mode on file-creating modules

**`command-instead-of-module`**
Use a module instead of curl or rm

**`package-latest`**
Avoid state: latest

**`var-naming`**
Variable naming conventions

**`risky-shell-pipe`**
Set pipefail when piping in shell

## COMMON RULES (cont.)

**`key-order`**
name first in a task

**`schema`**
File structure fails its schema

**`syntax-check`**
ansible-playbook --syntax-check fails

## RECIPES

### Project config

```
# .ansible-lint
profile: safety
exclude_paths:
  - .cache/
  - molecule/
skip_list:
  - yaml[line-length]
warn_list:
  - experimental
```

### Adopt in a legacy repo

```
ansible-lint --generate-ignore
# commit .ansible-lint-ignore, then only new
# violations fail the build
```

### Pre-commit hook

```
# .pre-commit-config.yaml
repos:
  - repo: https://github.com/ansible/ansible-lint
    rev: <tag>
    hooks:
      - id: ansible-lint
```

### GitHub Actions step

```
- uses: actions/checkout@v6
- uses: ansible/ansible-lint@<tag>
  with:
    args: --profile production
```