ansible-lint Ansible linter

CONCEPTS

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

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

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

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

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

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 -r *<dir>* **-R**
Add custom rules, keep built-ins

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

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

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

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

INLINE SKIPS (cont.)

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

.ansible-lint-ignore
Per-file rule ignores, one per line

COMMON RULES

fqcn
Use fully qualified module names

name[missing]
Tasks need a name

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