RuboCop Ruby linter and formatter

CONCEPTS

A cop is one rule; cops belong to departments such as Style, Layout, Lint, Metrics, Naming, Security.

Run rubocop reads .rubocop.yml
↓ offenses
Autocorrect -a safe, -A unsafe
↓ leftovers
Fix by hand or disable a cop
↓ commit
Clean exit 0 CI gate

Safe autocorrect (-a) keeps behaviour; unsafe (-A) may change it. Review the diff after -A.

Exit codes: 0 clean, 1 offenses found, 2 crash or bad config or options.

RUNNING

rubocop
Check all Ruby files here

rubocop *<path>* **...**
Check given files or dirs

rubocop --force-exclusion *<path>*
Honour Exclude for explicit paths

rubocop -v / -V
Show version / full versions

CHOOSING COPS

rubocop --only *<Cop>*,*<Dept>*
Run only these cops or departments

rubocop --except *<Cop>*
Run all but these

rubocop -l
Lint cops only

AUTOCORRECT

rubocop -a
Fix safe offenses

rubocop -A
Fix safe and unsafe offenses

rubocop -x
Fix layout offenses only

rubocop -a --only *<Cop>*
Fix one cop everywhere

OUTPUT

rubocop -f *<name>*
Pick an output formatter

rubocop -f simple
Offenses grouped by file

rubocop -f offenses
Count offenses per cop

rubocop -f json -o *<file>*
Machine readable report

CACHE AND SERVER

rubocop --server
Run via a background server

CONFIG FILES

rubocop --init
Write a starter .rubocop.yml

rubocop --auto-gen-config
Write .rubocop_todo.yml

YAML KEYS

inherit_from: *<file>*
Include other configs

plugins: - *<name>*
Load extension plugins

AllCops: NewCops: enable
Opt into pending cops

AllCops: TargetRubyVersion: *<x.y>*
Set Ruby version to parse as

AllCops: Exclude: - *<glob>*
Skip paths everywhere

<Dept>/*<Cop>*: **Enabled: false**
Disable a cop

<Dept>/*<Cop>*: **Exclude: -** *<glob>*
Skip paths for one cop

<Dept>/*<Cop>*: **Max:** *<n>*
Tune a numeric limit

INLINE COMMENTS

 # rubocop:disable *<Cop>*
Turn off from here

 # rubocop:enable *<Cop>*
Turn back on

<code> **# rubocop:disable** *<Cop>*
Disable for one line