golangci-lint Go linters runner

CONCEPTS

One binary runs many linters in parallel over a shared parse, with a cache. Exit code 1 means issues were found.

Coming from v1? Config needs version: "2", exclude rules moved to linters.exclusions, formatters (gofmt, goimports) have their own section. Run golangci-lint migrate.

INSTALL AND INFO

curl -sSfL https://golangci-lint.run/install.sh | sh -s -- -b $(go env GOPATH)/bin v*<version>*
Install a pinned release binary

golangci-lint --version
Show version and Go it was built with

RUN

golangci-lint run
Lint all packages below here

golangci-lint run *<dir>*/...
Lint one subtree

golangci-lint run --fix
Apply fixes linters can make

PICK LINTERS

golangci-lint linters
List enabled and disabled linters

golangci-lint run -E *<linter>*,*<linter>*
Enable extra linters

golangci-lint run -D *<linter>*
Disable a linter

golangci-lint run --enable-only *<linter>*
Run just this linter

The standard set (default)

Linter	Catches
errcheck	unchecked errors
govet	go vet checks
staticcheck	bugs, simplifications, style
unused	unused code
ineffassign	assignments never read

ONLY NEW ISSUES

golangci-lint run --new-from-rev *<rev>*
Issues introduced since a commit

golangci-lint run --new-from-merge-base main
Issues since the branch left main

OUTPUT

golangci-lint run --max-issues-per-linter 0 --max-same-issues 0
Show every issue, no caps

FORMAT

golangci-lint fmt
Format files with enabled formatters

golangci-lint fmt -d
Show diff, change nothing

CONFIG FILE

.golangci.yml

```
version: "2"
linters:
  default: standard
  enable: [gosec, revive, misspell]
  disable: [errcheck]
  settings:
    misspell:
      locale: US
  exclusions:
    generated: lax
    presets: [std-error-handling]
    paths: [third_party/]
    rules:
      - path: _test\.go
        linters: [gosec]
formatters:
  enable: [gofumpt, goimports]
run:
  timeout: 5m
```

golangci-lint config verify
Validate config against the schema

golangci-lint migrate
Convert a v1 config to v2

SUPPRESS

//nolint:*<linter>*
Silence a linter on this line

//nolint:*<linter>* **//** *<why>*
Silence with a reason