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.

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

golangci-lint help linters
Describe every available linter

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
```

SUPPRESS

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

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