

Today's Agenda +

- → What is "linting"?
- Why should I care?
- → The golangci-lint tool
- Linting locally
- → Linting in your CI pipeline
- Configuration



What is "linting"?

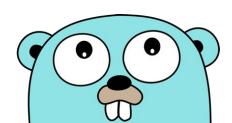


"a **static code analysis tool** used to flag programming errors, bugs, stylistic errors and suspicious constructs."

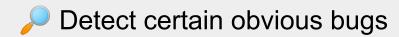


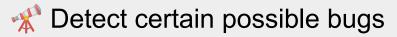
Related tools

- eslint / prettier
- SonarQube
- Countless others



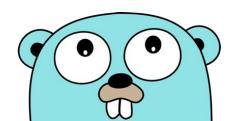
Why care?





Less time in human code review

Less emotional code review







- 🧈 Many linters in one
- Easy to run locally
- Easy to run in CI pipeline
- Optionally ignore old code



Local use

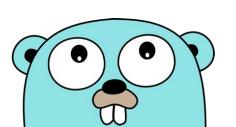


```
golangci-lint run ./...
```





CI Pipeline



- GitHub Action
- Docker image

GitLab-CI example:

```
linter:
  stage: test
```

image:

golangci/golangci-lint:v1.

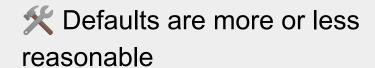
45.2

Script:

- go mod download
- golangci-lint run ./...

```
+ func (cl *ContextLoader) testGithubActions() {
 X Check failure on line 310 in pkg/lint/load.go
     GitHub Actions / golangci-lint
     pkg/lint/load.go#L310
     func `(*ContextLoader).testGithubActions` is unused (unused)
             a := 1
                                                                                                                                        即
  X Check failure on line 311 in pkg/lint/load.go
     GitHub Actions / golangci-lint
     pkg/lint/load.go#L311
     ineffectual assignment to 'a' (ineffassign)
              a = 2
             cl.log.Infof("a is %d", a)
314
      + }
```

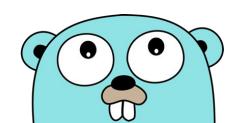
Configuration



Many other valuable linters

https://youtu.be/gpa1klusbws







Open Discussion

