

Code Review

什么是Code Review

- **Code Review (CR)** 即代码评审，是一种通过复查代码来提高代码质量的过程，一般体现在一个团队的开发过程中。**CR**要求团队成员有意识地、系统地检查彼此的代码，从而验证需求、发现错误，同时指出其中不合规范的“低质量”代码，从而提高整个团队的代码质量。

为什么要Code Review

- **发现bug**：大多数的错误可以在 code review 阶段被暴露出来，这些错误留到日后“爆雷”再被修复，代价会大很多，所以 code review 看似多花了时间，其实整体看是提升交付效率的；
- **提高代码质量**：严格执行 code review 流程一方面可以互相督促：不要随便提交“垃圾”代码上来，会有人 review；一方面假如有“垃圾”代码被提交上来了，可以有人站出来及时制止。完善的 code review 流程可以避免代码可读性日益变差，维护成本日益增大，逐步变成“屎山”；
- **相互学习**：如果A写的代码很漂亮，希望B来 review，这时候A可以展现自己的编码水平；同时B也可以指出A可能存在的问题，帮助A提升编码水平；
- **统一代码风格**
- ...

https://en.wikipedia.org/wiki/Code_review

GitHub上的Code Review流程

认领Review

devstream-io / devstreamPublic

Edit PinsUnwatch13Fork82Starred365

<> CodeIssues39Pull requests4DiscussionsActionsProjects2WikiSecurityInsights

This pull request is waiting on your review.

Add your review

chore: add golangci-lint config #641

Edit<> Code

Openimxw wants to merge 1 commit into devstream-io:main from imxw:feat-lint

Conversation0Commits1Checks3Files changed2+26-4

imxw commented 17 hours agoMember

Description

- Integrate the `golangci-lint` command in the makefile, so that we can use it to test code quality in local
- Add `golangci-lint` config file, maybe we can add more rules in this file in the future

Related Issues

#632

New Behavior (screenshots if needed)

✅ 😊 make lint

Run golangci to lint `source` codes

Reviewers

daniel-hutao

IronCore864

At least 1 approving review is required to merge this pull request.

Still in progress? Convert to draft

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

开始Review

<https://docs.github.com/en/pull-requests/collaborating-with-pull-requests/reviewing-changes-in-pull-requests/reviewing-proposed-changes-in-a-pull-request>

devstream-io / devstream Public

devstream-io / devstream Public

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<> Code Issues 41 Pull requests 5 Discussions Actions Projects 2 Wiki

Wiki Security Insights

chore: add golangci-lint config #641

imxw wants to merge 1 commit into devstream-io:main from imxw:feat-lint

Conversation 0 Commits 1 Checks 3 Files changed 2

chore: add golangci-lint config cf5cd00

lint commit message on: pull_request

pull request builder on: pull_request

Golang lint

build-test-ubuntu-latest

lint-commit-message succeeded yesterday in 17s

- Set up job
- Pull wagoid/commitlint-github-action:4.1.12
- Run actions/checkout@v3
- Run wagoid/commitlint-github-action@v4
- Post Run actions/checkout@v3
- Complete job

0 / 2 files viewed

Review changes

Viewed

```
+ # options for analysis running
+ run:
+   # timeout for analysis, e.g. 30s, 5m,
+   # default is 1m
+   timeout: 5m
+
```

Viewed

开始Review

<https://docs.github.com/en/pull-requests/collaborating-with-pull-requests/reviewing-changes-in-pull-requests/reviewing-proposed-changes-in-a-pull-request>

The screenshot shows a GitHub pull request page for the repository 'devstream-io / devstream'. The pull request title is 'chore: add golangci-lint'. The interface includes a sidebar with navigation links (Code, Issues, Pull requests, Discussions, Actions, Projects, Wiki, Security, Insights) and a list of files changed (e.g., .golangci.yml, Makefile). The main content area displays a diff view with a green box highlighting the 'Review changes' button. A red box highlights the 'Finish your review' modal, which contains a 'Write' tab, a 'Leave a comment' text area, and three review options: 'Comment' (selected), 'Approve', and 'Request changes'. The 'Submit review' button is at the bottom of the modal. A red arrow points from the 'Review changes' button in the diff view to the 'Finish your review' modal.

devstream-io / devstream Public

0 / 1 files viewed Review in codespace Review changes

chore: add golangci-lint

Open imxw wants to merge

Conversation 0

Changes from all commits

Filter changed files

.golangci.yml

Makefile

Finish your review

Write Preview

Leave a comment

Attach files by dragging & dropping, selecting or pasting them.

☒ **Comment**
Submit general feedback without explicit approval.

☐ **Approve**
Submit feedback and approve merging these changes.

☐ **Request changes**
Submit feedback that must be addressed before merging.

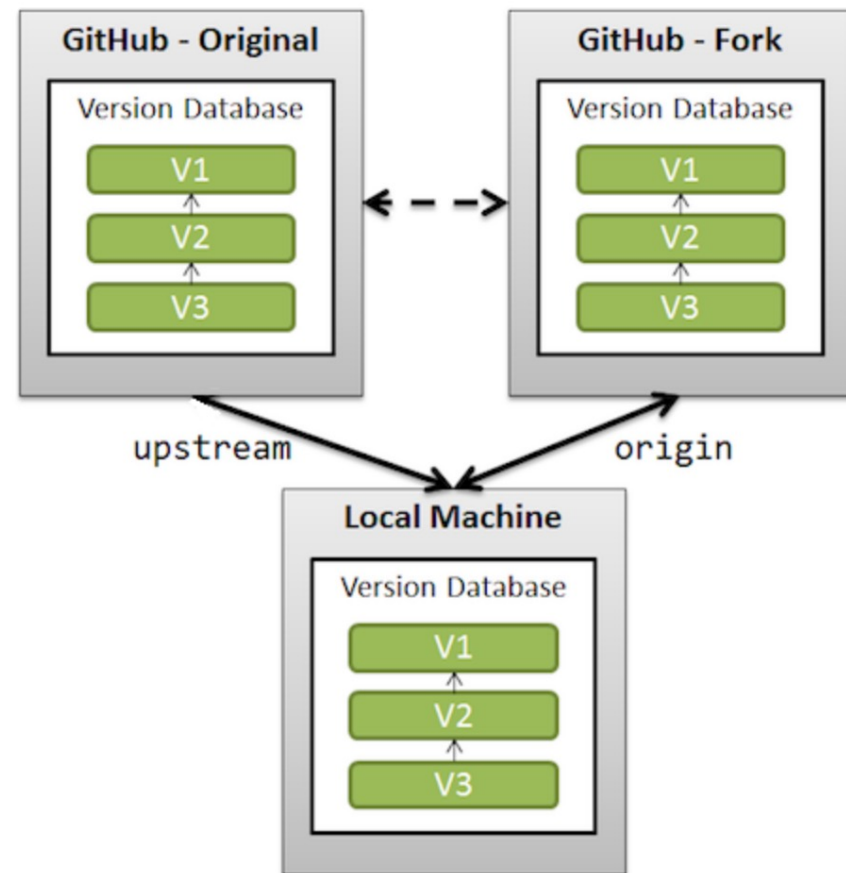
Submit review

Review changes

对于需要本地review的PR

```
git fetch origin pull/PRId/head:LocalBranchName  
or git fetch upstream pull/PRId/head:LocalBranchName
```

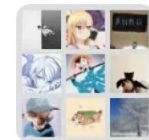
```
git checkout LocalBranchName
```



<https://docs.github.com/en/get-started/using-git/getting-changes-from-a-remote-repository>

Further Reading

- https://en.wikipedia.org/wiki/Code_review
- <https://docs.github.com/en/pull-requests/collaborating-with-pull-requests/reviewing-changes-in-pull-requests/reviewing-proposed-changes-in-a-pull-request>
- Google's code review processes and policies: <https://google.github.io/eng-practices/review>



群聊：2023秋-开源软件技术



该二维码7天内(9月27日前)有效，重新进入将更新