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

开始Review

开始Review

🖥 **devstream-io / devstream** (Public)

⬡ Edit Pins ▾   👁 Unwatch 13 ▾   ⅄ Fork 82   ⭐ Starred 366 ▾

<> Code   ⊙ Issues 41   ⅄ **Pull requests** 5   💬 Discussions   ▶ Actions   ▦ Projects 2   📖 Wiki   ⚠ Security   ⤴ Insights   •••

0 / 1 files viewed   **Review in codespace**   **Review changes** ▾

chore: add golang

⅄ **Open**   imxw wants to merge

💬 Conversation 0   ⊸ Co

◧ Changes from **all commits** ▾   File

🔍 Filter changed files

📄 .golangci.yml

📄 Makefile

Finish your review   ✕

| Write | Preview |

H **B** *I* ☰ <> 🔗 ☰ ☰ ☑ @ ⤢ ↩

Leave a comment

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

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

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

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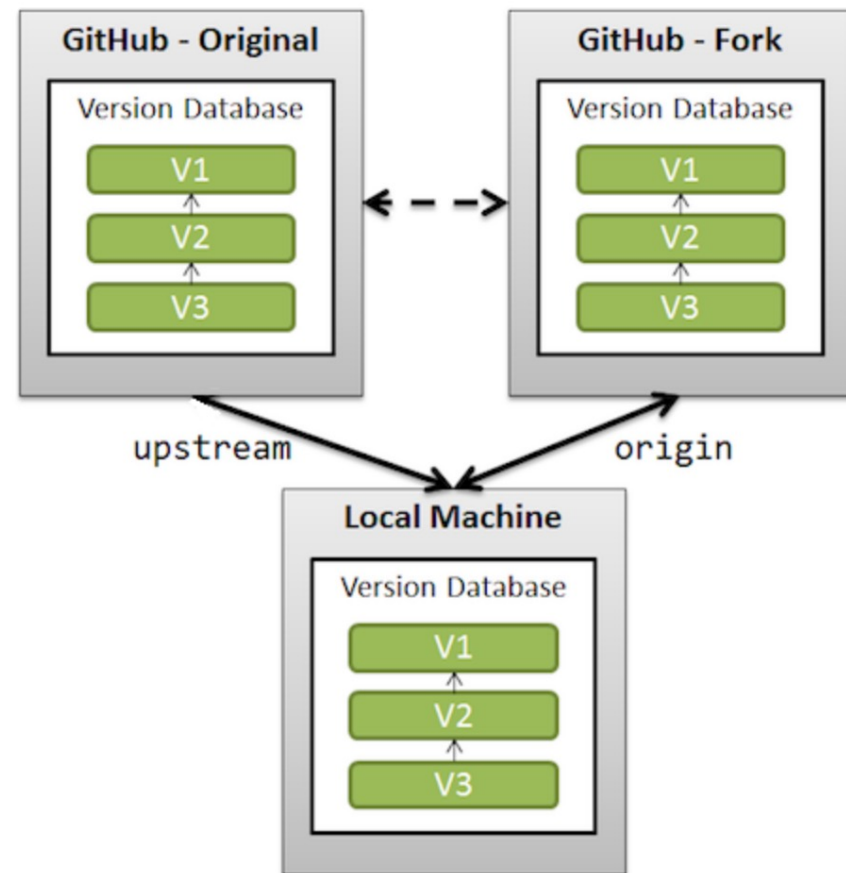Submit feedback that must be addressed before merging.

Submit review

Edit   <> Code ▾

+26 −4 ■■■■□

ewed   ⓘ   **Review changes** ▾

☐ Viewed   •••

alysis running

analysis, e.g. 30s, 5m,

☐ Viewed   •••

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
```
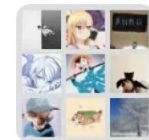
Further Reading

- 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

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该二维码7天内(9月27日前)有效，重新进入将更新