# 从写一个好的提交信息开始

做一名优秀的工程师

小彬

# 提交信息的意义

- 浏览提交记录
- 定位Bug
- 了解代码修改的原因和方法
- 自动生成里程碑式的版本记录

#### 好与坏

```
$ git log --oneline -5 --author cbeams --before "Fri Mar 26 2009"
e5f4b49 Re-adding ConfigurationPostProcessorTests after its brief removal
2db0f12 fixed two build-breaking issues: + reverted ClassMetadataReading\\
147709f Tweaks to package-info.java files
22b25e0 Consolidated Util and MutableAnnotationUtils classes into existir
7f96f57 polishing
```

```
$ git log --oneline -5 --author pwebb --before "Sat Aug 30 2014"
5ba3db6 Fix failing CompositePropertySourceTests
84564a0 Rework @PropertySource early parsing logic
e142fd1 Add tests for ImportSelector meta-data
887815f Update docbook dependency and generate epub
ac8326d Polish mockito usage
```

#### 好的提交信息

#### commit 7cc13c717b52d3539e76f087d747f96d0d24a914

Refs: v2.7.3-1-q7cc13c7

Author: Linus Torvalds <torvalds@linux-foundation.org>

AuthorDate: Wed Mar 16 09:15:53 2016 -0700

Commit: Junio C Hamano <gitster@pobox.com>
CommitDate: Wed Mar 30 11:25:35 2016 -0700

pretty: expand tabs in indented logs to make things line up properly

A commit log message sometimes tries to line things up using tabs, assuming fixed-width font with the standard 8-place tab settings. Viewing such a commit however does not work well in "git log", as we indent the lines by prefixing 4 spaces in front of them.

This should all line up:

Column 1 Column 2

A B

ABCD EFGH

SPACES Instead of Tabs

Even with multi-byte UTF8 characters:

Column 1 Column 2
.....
Ä B
àäö 100

A Møøse once bit my sister..

Tab-expand the lines in "git log --expand-tabs" output before prefixing 4 spaces.

This is based on the patch by Linus Torvalds, but at this step, we require an explicit command line option to enable the behaviour.

Signed-off-by: Junio C Hamano <gitster@pobox.com>

头部

正文

尾部

#### 提交信息组成

#### 头部(必备)

- 以动词开头,使用第一人称现在时,比如change,而不是changed或changes
- 第一个字母小写
- 结尾不加标点

#### 正文 (需要时)

- 使用第一人称现在时,比如使用change而不是changed或changes
- 应该说明代码变动的动机,以及与以前行为的对比,不必解释如何做的

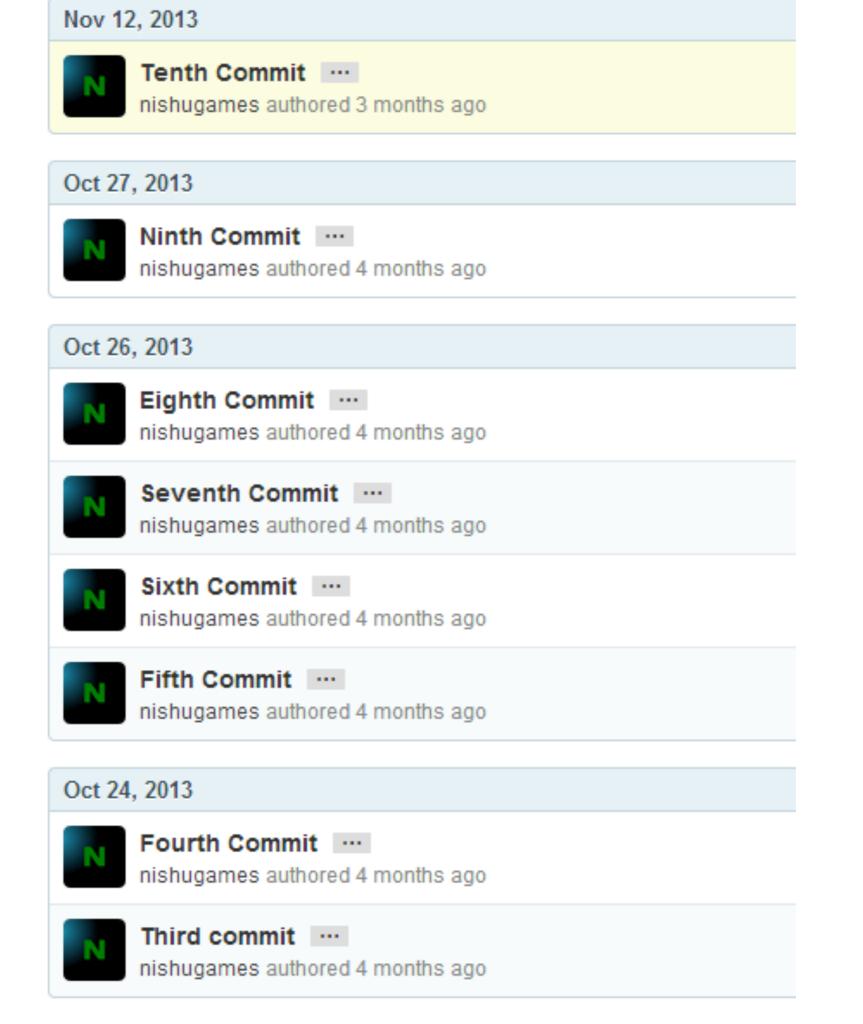
#### 尾部(偶尔)

- 关闭issue,关联PR
- 重大不兼容性声明

# 优梦的提交

没有统一规范,自由发挥

自由发挥的结果



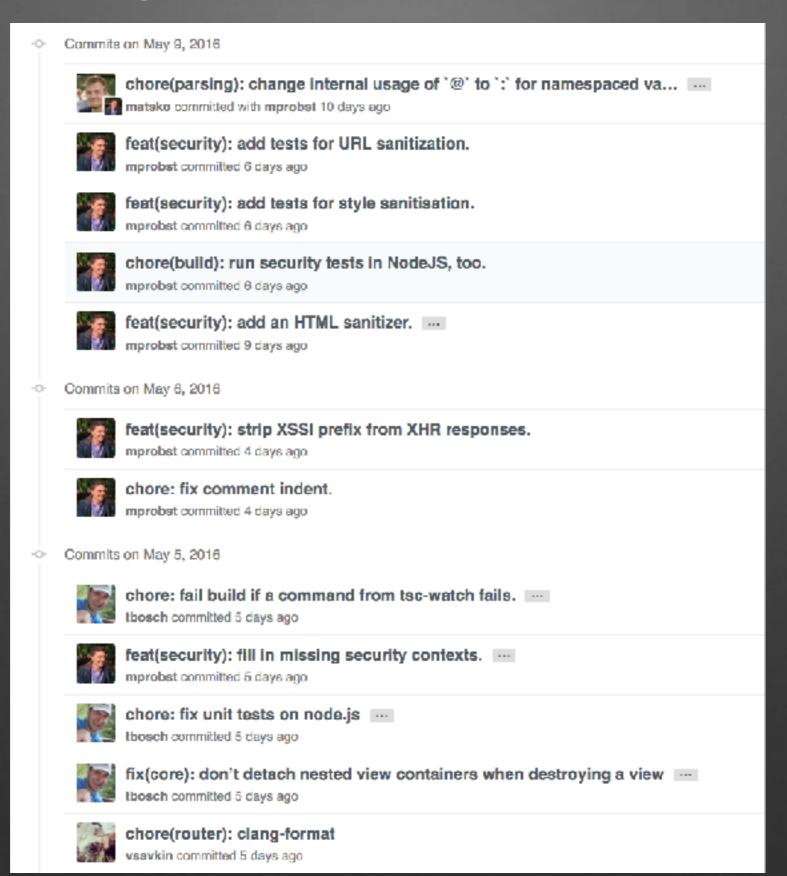
好

- ★提交分类
  - [Add Feature]
  - [Modify Feature]
  - [Fix Bug]
- ★提交描述详细

团队推广?



## Angular commit convention



## Angular commit convention

```
<type>(<scope>): <subject>
<BLANK LINE>
<body>
<BLANK LINE>
<footer>
```

#### Header

```
<type>(<scope>): <subject>
```

#### type

```
feat (feature)
fix (bug fix)
docs (documentation)
style (formatting, missing semi colons, ...)
refactor
test (when adding missing tests)
chore (maintain)
```

#### scope

specify place of the commit change \$browser, \$compile, \$rootScope, ngHref, ngClick, ngView, etc...

#### subject

- use imperative, present tense: "change" not "changed" nor "changes"
- don't capitalize first letter
- no dot (.) at the end

#### Body

- just as in <subject> use imperative, present tense: "change" not "changed" nor "changes"
- includes motivation for the change and contrasts with previous behavior

### Footer

- Breaking changes
- Referencing issues

style(\$location): add couple of missing semi colons

feat(\$browser): onUrlChange event (popstate/hashchange/polling)

Add new event to \$browser:

- forward popstate event if available
- forward hashchange event if popstate not available
- do polling when neither popstate nor hashchange available

Breaks \$browser.onHashChange, which was removed (use onUrlChange instead)

fix(\$compile): Add couple of unit tests for IE9

Older IEs serialize html uppercased, but IE9 does not... Would be better to expect case insensitive, unfortunately jasmine does not allow to user regexps for throw expectations.

Closes #392

Breaks foo.bar api, foo.baz should be used instead

feat(\$compile): simplify isolate scope bindings

Changed the isolate scope binding options to:

- @attr attribute binding (including interpolation)
- =model by-directional model binding
- &expr expression execution binding

This change simplifies the terminology as well as number of choices available to the developer. It also supports local name aliasing from the parent.

BREAKING CHANGE: isolate scope bindings definition has changed and the inject option for the directive controller injection was removed.

To migrate the code follow the example below:

```
scope: {
  myAttr: 'attribute',
  myBind: 'bind',
  myExpression: 'expression',
  myEval: 'evaluate',
  myAccessor: 'accessor'
}
```

After:

Before:

000001

### 工具化

install node http://nodejs.org/

npm install -g commitizen

npm i -g cz-conventional-changelog

echo '{ "path": "cz-conventional-changelog" }' > ~/.czrc

Demo

使用cz提交代码 根据使用体验做定制处理 A&Q

### 参考资料

- http://www.ruanyifeng.com/blog/2016/01/commit\_message\_change\_log.html
- <a href="http://chris.beams.io/posts/git-commit/">http://chris.beams.io/posts/git-commit/</a>
- Angular Git Commit Convention
- <a href="http://www.commitlogsfromlastnight.com/">http://www.commitlogsfromlastnight.com/</a>