

CONVENTIONAL COMMITS 快速参考

提交格式、类型、作用域、破坏性变更

格式

提交消息结构

```
<type>[optional scope]: <description>
[optional body]
[optional footer(s)]
```

各部分说明

type 变更类别 (feat, fix 等)
scope 受影响的代码区域 (可选)
description 用祈使语气写的简短摘要
body 详细说明 (可选, 空行后)
footer 元数据, 如 BREAKING CHANGE 或 issue 引用

规则

Imperative mood 用 "add feature" 而非 "added feature"
Lowercase type feat: 而非 Feat:
No period 描述末尾不加句号
Blank line body/footer 与描述之间空一行

类型

核心类型 (影响 SemVer)

feat 新功能 (触发 MINOR 版本升级)
fix Bug 修复 (触发 PATCH 版本升级)

扩展类型 (通用约定)

build 构建系统或外部依赖
chore 维护任务 (不涉及源码/测试变更)
ci CI 配置与脚本
docs 仅文档变更
perf 性能优化
refactor 既不修复 bug 也不添加功能的代码重构
revert 回退某次提交
style 格式、空白 (非 CSS 样式)
test 添加或修正测试

作用域

作用域用法

```
feat(auth): add OAuth2 login flow
fix(parser): handle empty input gracefully
docs(readme): update installation steps
refactor(api): extract validation middleware
```

作用域命名指南

Module name feat(auth); fix(parser):
Layer name feat(api); fix(db):
Feature area feat(search); fix(checkout):
Dependency build(deps); chore(npm):
Omit if broad 跨模块变更时省略作用域

破坏性变更

标记破坏性变更

```
feat!: remove deprecated login endpoint
feat(api)!: change response format to JSON:API
fix!: drop Node 14 support
```

Footer 形式的破坏性变更

```
feat(api): change user endpoint response
BREAKING CHANGE: response now returns array
instead of object. Update client parsing.
```

规则

! after type/scope 破坏性变更的简写标记
BREAKING CHANGE: Footer token (必须全大写)
BREAKING-CHANGE: 同样有效 (连字符形式)
SemVer impact 触发 MAJOR 版本升级
Any type 任何类型都可以有破坏性变更

示例

简单提交

```
feat: add email notifications
fix: prevent race condition in checkout
docs: correct typo in contributing guide
style: format with prettier
refactor: simplify error handling logic
```

带作用域

```
feat(blog): add comment threading
fix(auth): refresh token before expiry
test(api): add missing edge case coverage
ci(github): add Node 20 to test matrix
```

带 body 和 footer

```
fix(parser): handle nested quotes correctly
```

Previously, nested quotes caused the parser to enter an infinite loop. This adds a depth counter to prevent unbounded recursion.

Closes #234

Footer

Footer Token

BREAKING CHANGE: 描述破坏性 API 变更
Closes #123 合并时自动关闭 issue
Fixes #456 自动关闭 issue (fix 引用)
Refs #789 引用 issue 但不关闭
Reviewed-by: name 审阅者署名
Co-authored-by: name 共同作者署名

多个 Footer

```
feat(api): redesign authentication flow
```

Migrate from session-based to JWT auth.

```
BREAKING CHANGE: /auth endpoints changed
Closes #101
Refs #98, #99
```

工具链

提交 Lint

```
npm install -D @commitlint/cli \
  @commitlint/config-conventional
echo "module.exports = { extends: \
  ['@commitlint/config-conventional'] }" \
  > commitlint.config.js
```

常用工具

commitlint 按规范 lint 提交消息
husky Git hooks (提交时运行 commitlint)
commitizen (cz) 交互式提交消息生成器
standard-version 自动生成 changelog + 版本升级
semantic-release 全自动发布流水线
release-please Google 的发布自动化工具

Commitizen 设置

```
npm install -D commitizen \
  cz-conventional-changelog
npx commitizen init cz-conventional-changelog
# Use: npx cz (or git cz with alias)
```

常用模式

版本升级映射

fix: PATCH (1.0.0 → 1.0.1)
feat: MINOR (1.0.0 → 1.1.0)
BREAKING CHANGE MAJOR (1.0.0 → 2.0.0)
docs:, style: 等) 不升级版本

Changelog 分组

```
## [1.2.0] - 2026-03-27
### Features
- add email notifications (abc1234)
### Bug Fixes
- prevent race condition (#123) (def5678)
```

回退格式

```
revert: feat(blog): add comment threading
This reverts commit abc1234def5678.
```