

Git Commit Cheat Sheet

Commit Message Format

Each commit message consists of a **header**, a **body** (optional) and a **footer**. The header has a special format that includes a **type**, a **scope** (optional, only if project requires it) and a **subject**:

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

Any line of the commit message cannot be longer 72 characters! This allows the message to be easier to read on github as well as in various git tools.

Type

One of the following:

- **feat**: A new feature
- **fix**: A bug fix
- **docs**: Documentation only changes
- **style**: Changes that do not affect the meaning of the code (white-space, formatting, missing semi-colons, etc)
- **refactor**: A code change that neither fixes a bug or adds a feature (also used when removing a feature)
- **perf**: A code change that improves performance
- **test**: Adding missing tests
- **chore**: Changes to the build process or auxiliary tools and libraries such as documentation generation
- **content**: Affects only content, no code changes involved

Scope

The scope could be anything specifying place of the commit change. **Important** Don't use it until asked to do so. It will be communicated for each project if and what kind of scopes are used.

Subject

The subject contains succinct description of the change:

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

Body

Just as in the **subject**, use the imperative, present tense: “change” not “changed” nor “changes” The body should include the motivation for the change and contrast this with previous behavior. Also the body is the place to contain any information about **Breaking Changes**. In that case you use **BREAKING CHANGE:** at the very beginning of the body.

Footer

The footer is the place to reference JIRA issues that this commit addresses. (see JIRA)

JIRA

All commits relating to a JIRA task (should be almost all of them) have to reference the task in the **footer**:

- closes MGE001-12345 (for tasks)
- fixes CLA002-12345 (for bugs)
- relates to KLE001-12345

Relate must only be used if the commit is not fully completing the JIRA task (should be the exception).

Initial commit

The initial commit of a repository is a **feat** and looks like **feat: initial commit**

A detailed explanation can be found in this [document](#).