

# Git CheatSheet

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## 1 Git CheatSheet

## TOOLS

- PDF Link: [cheatsheet-git-A4.pdf](#)
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-git>
- Category: tools

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### 1.1 Git General

| Name                         | Comment   |
|------------------------------|---|
| List all remote git branches | <code>git ls-remote --heads origin</code>                 |
| Git diff two revision        | <code>git diff \${sha1sum}..\${sha2sum}</code>            |
| Git show file changes        | <code>git diff --name-only \${sha1sum} \${sha2sum}</code> |
| Show git config              | <code>git config --global/system</code>                   |

### 1.2 Git Commit

| Name   | Comment   |
|--|---|
| Squash multiple comments to make history clean | <code>git rebase -i HEAD~4; git push origin branch</code> |
| Git commit                                     | <code>git commit -m "XXX"</code>                          |
| Git add and commit                             | <code>git ci -m "XXX"</code>                              |

### 1.3 Git Diff

| Name                                  | Comment   |
|---------------------------------------|---|
| Compare two branches in CLI           | <code>git diff &lt;branch_1&gt;..&lt;branch_2&gt;</code> Make sure you have                                       |
| Compare git diff after commit         | <code>git diff --cached</code>  |
| Show changed file list                | <code>git diff --name-status, git diff --name-status --c</code>   |
| Compare two revision in GitHub UI     | <a href="https://github.com/.../.../compare/sha1...sha2">https://github.com/.../.../compare/sha1...sha2</a>       |
| Compare latest 3 commits in GitHub UI | <a href="https://github.com/dennyzhang/cheatsheet-git-a4/c">https://github.com/dennyzhang/cheatsheet-git-a4/c</a> |

### 1.4 Git Tag

| Name                  | Comment   |
|-----------------------|---|
| Git list all tags     | <code>git ls-remote --tags</code>                                 |
| Git Fetch all tags    | <code>git fetch --tags; git checkout tags/&lt;tag_name&gt;</code> |
| Git delete local tag  | <code>git tag -d &lt;tag_name&gt;</code>                          |
| Git delete remote tag | <code>git push --delete origin &lt;tag_name&gt;</code> link       |

### 1.5 Git Branch

| Name                 | Comment   |
|----------------------|---|
| Show remote branch   | <code>git ls-remote --heads origin</code>                 |
| Delete local branch  | <code>git branch -d &lt;branch_name&gt;</code>            |
| Delete remote branch | <code>git push origin --delete &lt;branch_name&gt;</code> |

### 1.6 Git Submodule

| Name                           | Comment   |
|--------------------------------|---|
| Git add a repo to current repo | <code>git submodule add &lt;git_repo_url&gt;</code> |
| Update submodule               | <code>git submodule update</code>                   |

### 1.7 git remote repo

- Configure two remote endpoint

```
git clone git@bitbucket.org:lrpdevops/denny-mydevops.git
```

```
git config remote.origin2.url git@github.com:denny/mydevops.git
```

```
git config remote.origin.url git@bitbucket.org:lrpdevops/denny-mydevops.git
```

```
git pull origin2 sprint-37
```

```
## File: .git/config
## ,-----
## | [core]
## | repositoryformatversion = 0
## | filemode = true
## | bare = false
## | logallrefupdates = true
## | ignorecase = true
## | precomposeunicode = true
## | [remote "origin"]
## | url = git@bitbucket.org:lrpdevops/denny-mydevops.git
## | fetch = +refs/heads/*:refs/remotes/origin/*
## | [branch "master"]
## | remote = origin
## | merge = refs/heads/master
## | [remote "origin2"]
## | url = git@github.com:denny/mydevops.git
## | fetch = +refs/heads/*:refs/remotes/customer/*
## '-----
```

## 1.8 GitHub

| Name                           | Comment   |
|--------------------------------|-----------|
| Generate link for a code block | link      |
| Git clone wiki                 | link      |
| Generate TOC                   | gh-md-toc |
| Github Shortcut                | link      |

- GitHub/GitLab markdown image size

```

```

```

```

```

```

```

```

You can skip the HEIGHT

```

```

## 1.9 More Resources

<https://github.com/git-tips/tips>

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