1   Git CheatSheet   Tools

- PDF Link: cheatsheet-git-A4.pdf, Category: tools

- Blog URL: `https://cheatsheet.dennyzhang.com/cheatsheet-git-A4`

- Related posts: Shell CheatSheet, #denny-cheatsheets

File me Issues or star this repo.

1.1   Git General

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

1.2   Git Commit

Name	Comment
Git squash to make history clean	`git rebase -i HEAD~4`; `git push origin <branch-name> --force` link
Git commit and squash	`git commit --amend --no-edit`, `git push origin <branch-name> --force`
Git add patch	`git add -p`
Git commit	`git commit -m "XXX"`
Git add and commit	`git ci -m "XXX"`

1.3   Git log

Name	Comment
Check recent commits	`git log -n 3`
Check commit by username	`git log origin/master -n 3 --author <denny>`
Check changes for a given file from a given user	`git log origin/master -n 3 --author <denny> <somefile.py>`

1.4   Git Diff

Name	Comment
Compare git diff after commit	`git diff --cached`
Show changed file list	`git diff --name-status`, `git diff --name-status --cached`
Compare with previous version	`git diff HEAD^ default.rb`
Compare two branches in CLI	`git diff <branch_1>..<branch_2>` Make sure you have those branches locally
Compare two revision in GitHub UI	https://github.com/.../.../compare/sha1...sha2
Compare latest 3 commits in GitHub UI	`https://github.com/dennyzhang/cheatsheet-git-a4/compare/HEAD~3...HEAD`
Configure default editor	`export pager=cat`

1.5   Git Tag

Name	Comment
Git list all tags	`git ls-remote --tags`
Git Fetch all tags	`git fetch --tags; git checkout tags/<tag_name>`
Git delete local tag	`git tag -d <tag_name>`
Git delete remote tag	`git push --delete origin <tag_name>`

1.6   Git Branch

Name	Comment
Show remote branch	`git ls-remote --heads origin`
Delete local branch	`git branch -d <branch_name>`
Delete remote branch	`git push origin --delete <branch_name>`

1.7   Git alias

Name	Comment
Alias for git status	`git config --global alias.st status` Link: git aliases
Alias for git checkout	`git config --global alias.co checkout`
Alias for git commit	`git config --global alias.ci commit`

1.8   Git Submodule

Name	Comment
Git add a repo to current repo	`git submodule add <git_repo_url>`
Update submodule	`git submodule update`

1.9   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/*
## '-----------
```

1.10   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

```
<img src="images/pks_logging_components.png" width="700x">
```

```
![](/uploads/d19fcc3d3b4d313c8cd7960a343463b6/table.png)
<img src="/uploads/d19fcc3d3b4d313c8cd7960a343463b6/table.png"  width="120" height="120">
```

```
![](./pic/pic1_50.png =100x20)
You can skip the HEIGHT
```


1.11   More Resources

https://github.com/git-tips/tips
    License: Code is licensed under MIT License.