1 Git CheatSheet Tools

- PDF Link: cheatsheet-git-A4.pdf, Category: tools
- $\bullet \ \operatorname{Blog} \ \operatorname{URL} \colon \texttt{https://cheatsheet.dennyzhang.com/cheatsheet-git-A4}$
- $\bullet$  Related posts: Shell CheatSheet, #denny-cheatsheets

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## 1.1 Git Advanced

Name	Comment
Git squash to make history clean	git rebase -i HEAD~4; git push origin <branch-name>force link</branch-name>
Find git branch by commit hash	<pre>git name-rev \${commit_hash}, or https://\protect\T1\textdollar\protect\T1\tex</pre>
List all remote git branches	git ls-remoteheads origin
Git clone repo with another ssh key	ssh-agent bash -c 'ssh-add yourkey; git clone git@github.com:user/project.gi

## 1.2 Git Commit

Name	Comment
Git squash to make history clean	git rebase -i HEAD~4; git push origin <branch-name>force link</branch-name>
Git commit and squash	git commitamendno-edit, git push origin <branch-name>force</branch-name>
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 3author <denny></denny>
Check changes for a given file from a given user	git log origin/master -n 3author <denny> <somefile.py></somefile.py></denny>

## 1.4 Git Diff

Name	Comment
Compare git diff after commit	git diffcached
Show changed file list	git diffname-status, git diffname-statuscached
Git diff two revision	git diff \${sha1sum}\${sha2sum}
Git show file changes	git diffname-only \${sha1sum} \${sha2sum}
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</branch_2></branch_1>
Compare two revision in GitHub UI	https://github.com//compare/sha1sha2
Compare latest 3 commits in GitHub UI	https://github.com/dennyzhang/cheatsheet-git-a4/compare/HEAD~3HEAD
Configure default editor	export pager=cat

## 1.5 Git Branch

Name	Comment	
List all remote git branches	git ls-remoteheads origin	
Delete local branch	git branch -d <branch_name></branch_name>	
Delete remote branch	git push origindelete <branch_name></branch_name>	

Updated: November 21, 2018

#### Updated: November 21, 2018

## 1.6 Git Tag

Name	Comment
Git list all tags	git ls-remotetags
Git Fetch all tags	<pre>git fetchtags; git checkout tags/<tag_name></tag_name></pre>
Git delete local tag	git tag -d <tag_name></tag_name>
Git delete remote tag	git pushdelete origin <tag_name></tag_name>

# 1.7 Git Config

Name	Comment
Show git config	git configglobal/system
Alias for git status	git configglobal alias.st status Link: git aliases
Alias for git checkout	git configglobal alias.co checkout
Alias for git commit	git configglobal alias.ci commit

#### 1.8 Git Submodule

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

## 1.9 GitHub

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

 $\bullet \ {\rm GitHub/GitLab} \ {\rm markdown \ image \ size}$ 

<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

![](./pic/pic1s.png =250x)

#### 1.10 More Resources

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

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