Cheatography

git-pro cheat sheet Cheat Sheet

by crash via cheatography.com/29714/cs/8774/

configuration

username	`git config --global user.name "John Doe"`
email	`git config --global user.email johndoe@gmail.com`
default editor	`git config --global core.editor emacs`
check current settings	`git config --list`
getting help	`git help <verb>` `git help config`

For specific projects, just remove the `--global` option

.gitignore file example

```
# no .a files
*.a
# but do track lib.a, even though you're ignoring .a files above
!lib.a
# only ignore the TODO file in the current directory, not subdir/TODO
/TODO
# ignore all files in the build/ directory
build/
# ignore doc/notes.txt, but not doc/server/arch.txt
doc/*.txt
# ignore all .pdf files in the doc/ directory
doc/*/*.pdf
```

More examples here https://github.com/github/gitignore

track projects

track existing	`git init`
	this should be done inside existing directory
clone project	`git clone <url>`
clone project in dir	`git clone <url> <destination_dir>`
check status	`git status`
check status (short)	`git status -s`
track new file or add to staging (before commit)	`git add <filename>`
	Remember: if you stage a file and then change it again, this will be marked as changed and not staged and will be committed without the latest changes (not yet staged)
commit changes (comment on editor)	`git commit`
commit changes (comment inline)	`git commit -m "commit message"`
commit skipping staging	`git commit -am "message"`
remove & delete file	`git rm <file>`
	file will be removed from working AND staging area
remove & keep file	`git rm --cached <file>`
	file be not tracked but kept in working area

track projects (cont)

rename/move file	`git mv file.txt newfile.txt`

git status -s example

MM Rakefile = has been staged as modified and then modified again in the working space (and this edit has not been staged yet).

_M Readme = modified in working space and not staged yet

?? LICENCE.TXT = not tracked yet

A_ file.txt = added to staging

git rm examples

```
git rm log/*.log
git rm *~
```

check differences

working vs staged	`git diff`
staged vs commit	`git diff --staged`
check diff external editor	`git difftool --tool-help`
use external editor	`git difftool`

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