

Git cheat sheet

Setting up Git

- Use these commands to configure Git for the first time on a new device.
 - `git config --global user.name "Your Name"`
 - `git config --global user.email "your@email.com"`
 - `git config --global color.ui "auto"` (color settings)
 - Setting your text editor:

Editor	Configuration command
Atom	<code>git config --global core.editor "atom --wait"</code>
nano	<code>git config --global core.editor "nano -w"</code>
BBEdit (Mac)	<code>git config --global core.editor "edit -w"</code>
Sublime Text (Mac)	<code>git config --global core.editor "subl -n -w"</code>
Sublime Text (Win, 32-bit)	<code>git config --global core.editor "'c:/program files (x86)/sublime text 3/sublime_text.exe' -w"</code>
Sublime Text (Win, 64-bit)	<code>git config --global core.editor "'c:/program files/sublime text 3/sublime_text.exe' -w"</code>
Notepad++ (Win, 32-bit)	<code>git config --global core.editor "'c:/program files (x86)/Notepad++/notepad++.exe' -multiInst -notabbar -nosession -noPlugin"</code>
Notepad++ (Win, 64-bit)	<code>git config --global core.editor "'c:/program files/Notepad++/notepad++.exe' -multiInst -notabbar -nosession -noPlugin"</code>
Kate (Linux)	<code>git config --global core.editor "kate"</code>
Gedit (Linux)	<code>git config --global core.editor "gedit --wait --new-window"</code>
Scratch (Linux)	<code>git config --global core.editor "scratch-text-editor"</code>
emacs	<code>git config --global core.editor "emacs"</code>
vim	<code>git config --global core.editor "vim"</code>

- Check your configured settings with `git config --list`
- If you accidentally get stuck in the text editor vim, type `Esc` then `:q!` and `Enter`.

Common Git commands

- `git init`: initializes a new repository
- `git status`: shows the status of a repository
- `git add`: puts files in the staging area
- `git commit`: saves the staged content
 - `git commit -m "write your commit message inside these quotes"`: record your commit message directly from the shell.
 - If you run `git commit` without the `-m` option, Git will launch your text editor so you can write your commit message there.
- `git diff`: displays differences between commits
- `git checkout`: recovers old versions of files

Working with remote repositories

- `git remote add origin https://url-to-remote-repository.git`: add a remote repository (like a repository on Github or Bitbucket)
- `git remote -v`: lists remote repositories
- `git push origin master`: copies changes from local repository to remote repository
- `git pull origin master`: copies changes from remote repository to local repository
- `git clone https://url-to-some-other-remote-repository.git`: copies a remote repository to create a local repository, with a remote already set up.