

## Install Git Client

[git-scm.com/downloads](https://git-scm.com/downloads)  
[apt-get install git](https://apt-get install git)  
[toolbelt.heroku.com](https://toolbelt.heroku.com)  
[sourcetreeapp.com](https://sourcetreeapp.com)

## Identify yourself

```
git config --global user.name "name"  
git config --global user.email "email"
```

View your Git settings

```
git config --list
```



## Quickstart Guide

[jr0cket.github.io/developer-guides](https://jr0cket.github.io/developer-guides)

## Create a local repository

```
git init
```

## Version your project locally

Add everything or just a specific file

```
git add .      git add file
```

Commit all changes staged

```
git commit -m "commit message"
```

Update last commit with staged

```
git commit --amend
```

## Tracking changes

```
git status      git log
```

```
git diff        git diff --cached
```

```
git diff --word-diff
```

## Branching & Merging

```
git branch new-branch
```

```
git checkout branch
```

```
git checkout -b new-branch
```

Merge specified branch to current

```
git merge branch
```

## Modifying changes

Reset file to latest committed version

```
git checkout filename
```

Remove changes from working copy

```
git clean
```

Reset working copy from local repo

```
git reset --hard
```

Reset Staging to local repo

```
git reset --soft HEAD^
```

## Stashing Changes

Save / restore working copy

```
git stash      git pop
```

## Remote Repositories

Copy project from a remote repo

```
git clone repo-url
```

Update local repo from remote

```
git pull remote-name branch
```

Update remote with local commits

```
git push remote-name branch
```

## Stash

changes briefly hidden away

## Working Copy

source code & configs

## Staging

changes awaiting commit

## Local Repo

.git folder managing  
changes on your laptop

## Remote Repo

Repos accessible via the  
Internet eg. Github, Heroku

## Git Help

Git visual cheatsheet

[bit.ly/git-visual-cheatsheet](https://bit.ly/git-visual-cheatsheet)

Github Help

[help.github.com](https://help.github.com)

Git & Github tutorial

[git-and-github-workshop](https://git-and-github-workshop)

[herokuapp.com](https://herokuapp.com)