How git works – Paolo Perrott

Git uses SHA1 hash key to store key:values

> echo "Apple Pie" | git hash-object –stdin

>bb3918d5053fea31fc9a58fae1e5bdeabe3ec647

# Setup repo on gitHub

1. Go to <https://github.com/robertmazzo>
2. Click add New Repository
3. If we already have a local repo (i.e. see “git init” below) then run
   1. git remote add origin <https://github.com/robertmazzo/angular-test.git>
   2. git push -u origin master (-u is the upstream flag)
   3. you should be prompted with a login modal

# Quick Reference

Check our current git URL: > git remote –v

To add all files: > git add -A

To add a dir: > git add src/

To add a files: > git add readme.txt

Commit changes (-a adds modified/deleted files): > git commit –a –m “my message here”

Push to remote: > git push

Push to remote (first time): > git remote add origin <https://github.com/robertmazzo/angular-test.git>

Switch url to my new repo: i.e. I had cloned it initially from someone else’s repo.

> git remote set-url origin https://github.com/robertmazzo/MEAN.JS-Test-App.git

# Commands - <https://git-scm.com/docs/git-commit>

Git init

* Init the repo
* Show the hidden .git directory🡪 > **dir /ah**

Git status

* Files/folders in project
* At first it shows untracked files (i.e. to be staged)

git add

ex/ add a txt file and a folder (\*\* case-sensitive \*\*)

* git add menu.txt
* git add src/

git remote

git commit –a –m “my message here”

* -a flag is to auto commit any modified/deleted files; new files are not affect if you haven’t staged them

git config

– to init the git connection

* git config --global user.name "Bob Mazzo"
* git config --global user.email [robertmazzo@yahoo.com](mailto:robertmazzo@yahoo.com)
* to verify
* git config --global user.name
* git config --global user.email

git log

* shows some files under the .git\objects dirs
* git cat-file –p 9c6524333948f3f7f68adb743711b11918af5219