GIT Version Control

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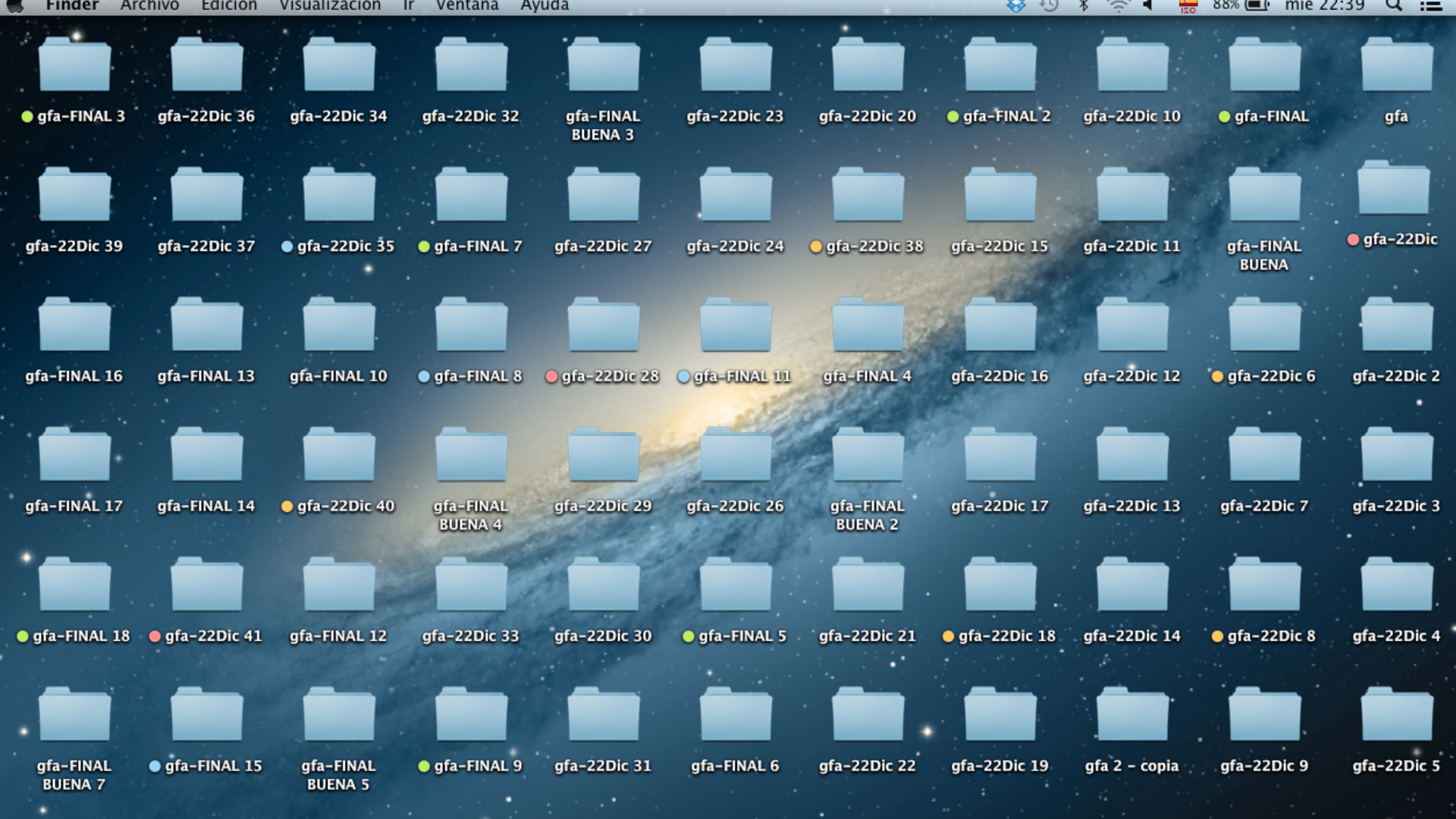
Why version control?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gfa-22Dic 23
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gfa-22Dic 28
gfa-FINAL 11
gfa-FINAL 4
gfa-22Dic 16
gfa-22Dic 12
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gfa-22Dic 2
gfa-FINAL 17
gfa-FINAL 14
gfa-22Dic 40
gfa-FINAL BUENA 4
gfa-22Dic 29
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gfa-22Dic 17
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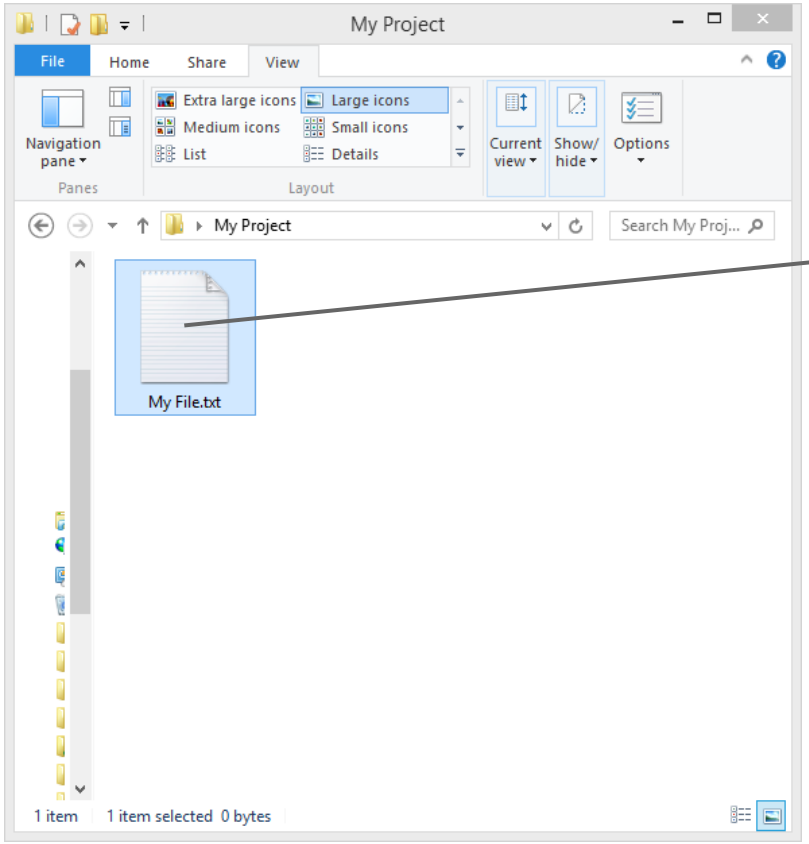

My Project
File
Home
Share
View
Extra large icons
Large icons
Medium icons
Small icons
List
Details
Navigation pane
Panes
Layout
Current view
Show/ hide
Options
My Project
Search My Proj...
My File.txt
1 item
1 item selected 0 bytes

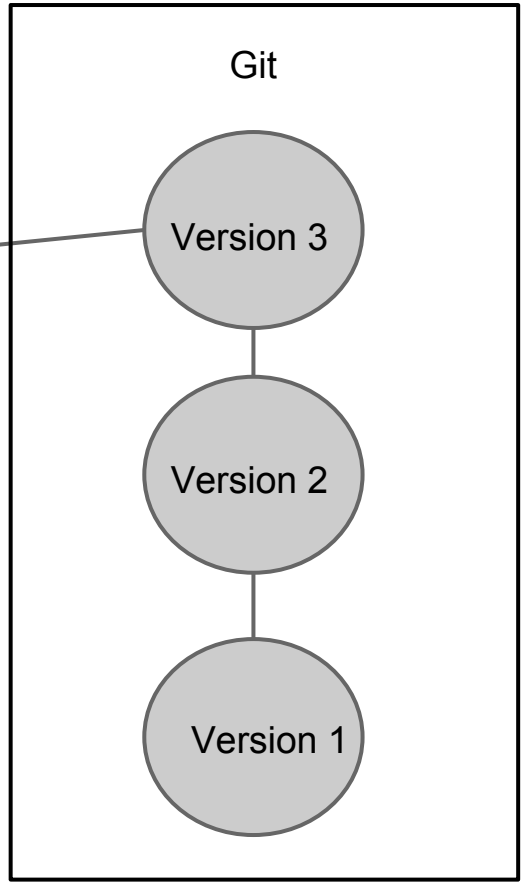

Git
Version 3
Version 2
Version 1

Image credits: Atlassian Git Tutorials
More info: https://www.atlassian.com/git/workflows

Why Git?

IT'S
FREE

Small and fast

Takes files snapshots. Almost no network latency

Collaborative

Allows multiple machines working on the same repository

Distributed

No need to have a single server containing all the versioned files.

How to install

http://git-scm.com/downloads/

Basic shell commands

Move between folders: `cd, ls, pwd`
Create and remove folders: `mkdir, rm [-rf]`

NOW YOU ARE A HACKER!!!
memegenerator.net

Setting up Git

```
git config --global user.name “Aitor Menta”
git config --global user.email “menta@uma.es”
```

Be careful

To set email use the global variable `user.email`, not `user.mail`
Trust me, many people miss this.

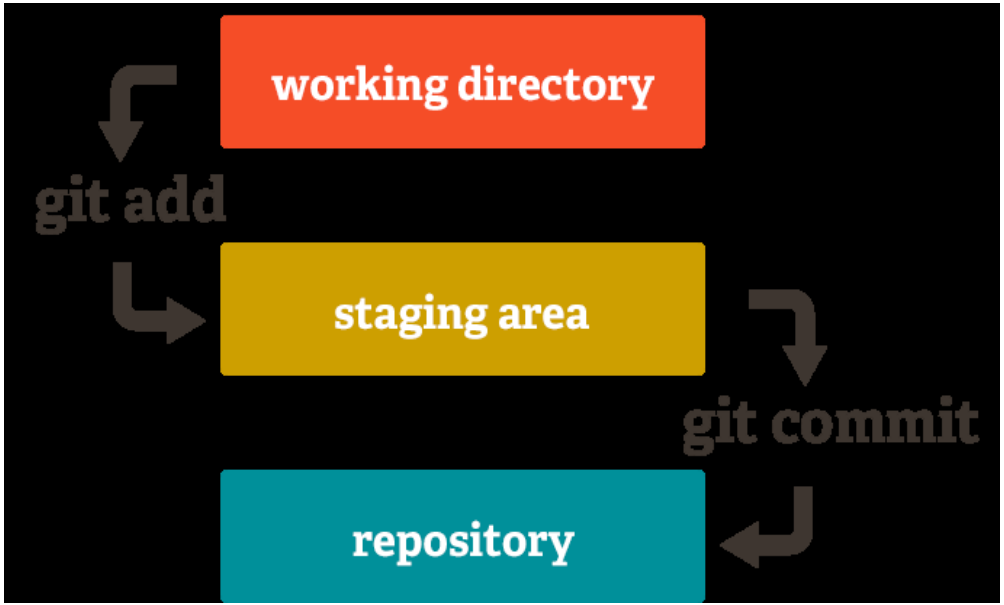
How to edit settings

To unset some setting, use
`git config --global --unset setting.name`

Working Local

git init

Initializes a new repository in the current directory



Staging Workflow

Image credits: GIT's webpage
More info: http://git-scm.com/about/staging-area

git status

Gives you information about files staging in the working directory

git add filena.me

Stage filena.me. You can stage more than one files at the same time.
You can also track all changes in the working directory using **`git add -A`**

git rm filena.me

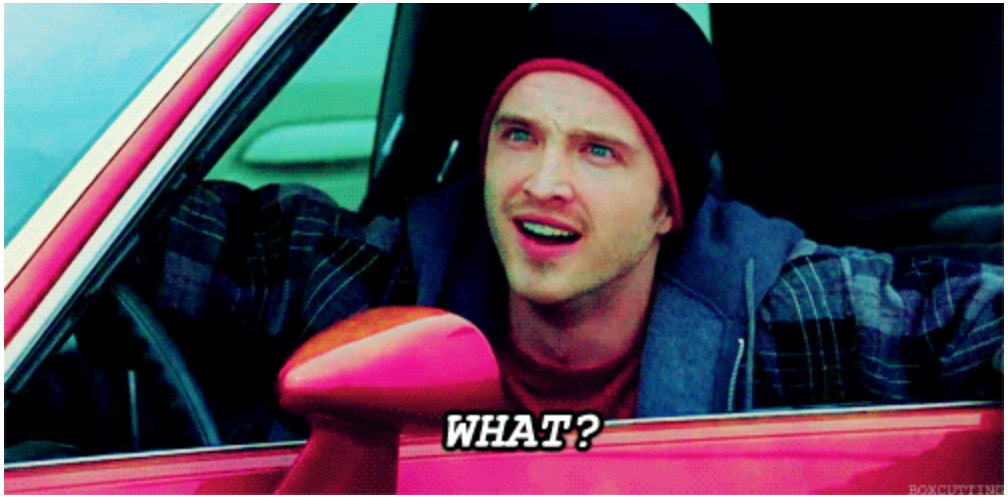
File is no longer tracked

git commit -m “*Message*”

Makes commit, a snapshot of the current status of your project.

git log

Gives you information about commits


WHAT?

Let’s try it!

Working Remote

Setting proxy

```
git config --global http.proxy http://proxy.alu.uma.es:3128
git config --global https.proxy http://proxy.alu.uma.es:3128
```

Unsetting proxy

We already told you!

```
git config --global --unset http.proxy
git config --global --unset https.proxy
```

git remote add *name url*

git remote add **origin http://github.com/user/repo/**
Adds a new remote to your repository, named *origin.*

git remote -v

Gives you a list of the current remotes.

git pull *remote branch*

Synchronizes your local repository with the remote work.

git push *remote branch*

Synchronizes the remote repository with your local work.

git clone *url*

Clones the repository «url».

Using Github

Creating a new repository

Syncing my remote repository

Use case

Recommendations

SourceTree

SublimeGIT for Sublime Text

Questions?

Thank you!