

fundaciónes plai ciudadanía comprometida

F Systems Let's power higher performance





¿Qué es Git?

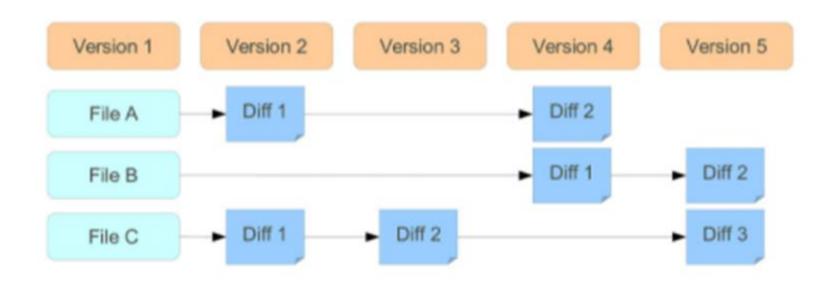
• Es un software de control de versiones, es decir, un software que nos permite llevar un registro de todos los cambios y avances del proyecto.



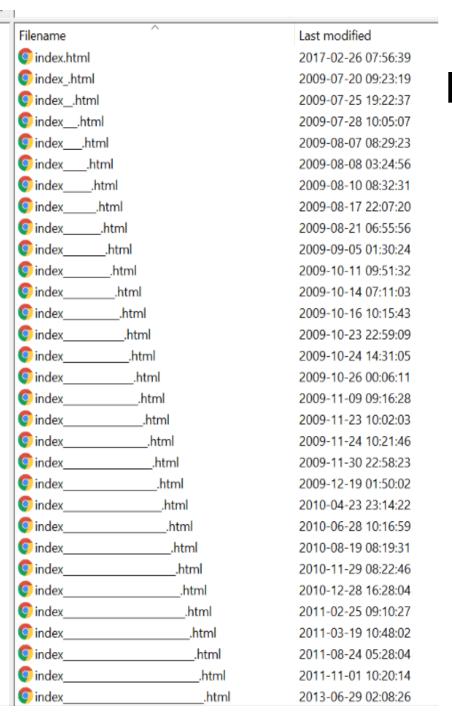
Historia de Git



¿Qué es un repositorio de Git?



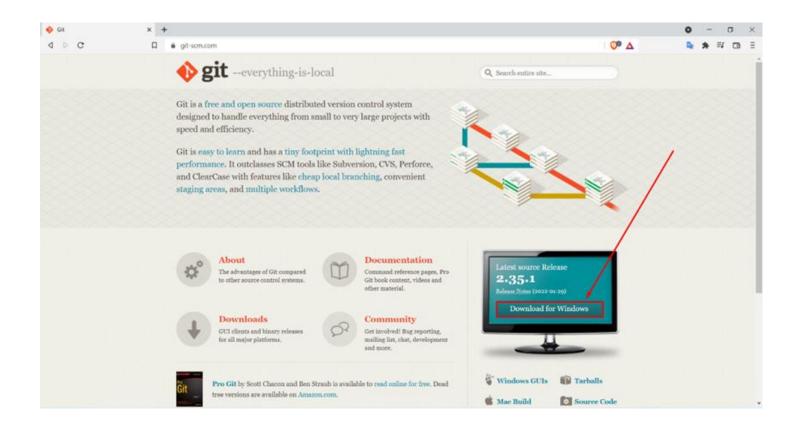
¿Por qué nace Git?



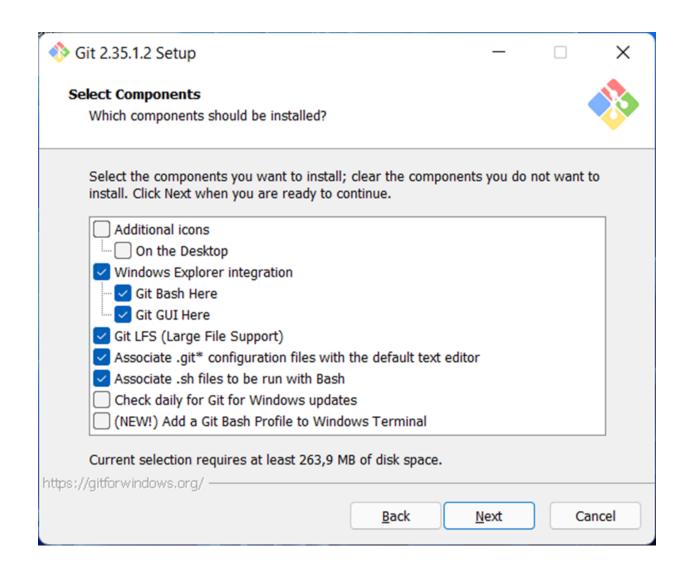
Fundamentos de Git

Instalando Git

https://git-scm.com/



Instalando Git





Instalando Git

```
MINGW64:/c/Users/David
David@DESKTOP-D2JLVJS MINGW64 ~
```

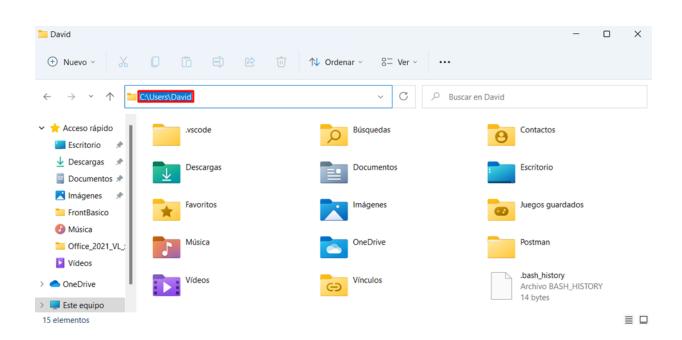
```
MINGW64:/c/Users/David

David@DESKTOP-D2JLVJS MINGW64 ~

$ git --version git version 2.35.1.windows.2
```

Aprendiendo a movernos con la terminal

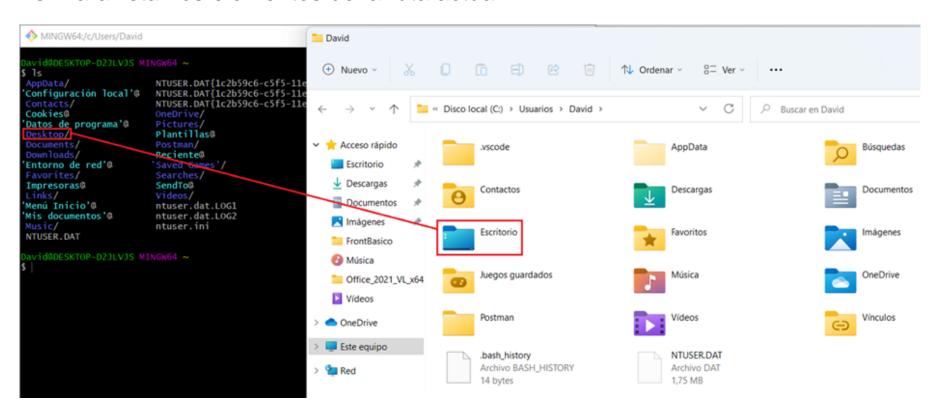
pwd: nos permite ver la ruta en la que estamos situados actualmente:





Aprendiendo a movernos con la terminal

ls: Para listar los elementos de la ruta actual:



Aprendiendo a movernos con la terminal

cd: lo utilizamos para cambiar de directorio, de hecho, si ejecutamos pwd, podemos ver que hemos cambiado de directorio:



```
MINGW64:/c/Users/David/Desktop

David@DESKTOP-D2JLVJS MINGW64 ~

$ cd Desktop/

David@DESKTOP-D2JLVJS MINGW64 ~/Desktop

$ |
```

Aprendiendo a movernos con la terminal MINGW64:/c/Users/David

```
MINGW64:/c/Users/David

David@DESKTOP-D2JLVJS MINGW64 ~/Desktop

$ pwd
/c/Users/David/Desktop

David@DESKTOP-D2JLVJS MINGW64 ~/Desktop

$ cd ..

David@DESKTOP-D2JLVJS MINGW64 ~

$ pwd
/c/Users/David
```

```
avid@DESKTOP-D2JLVJS MINGW64 ~
$ cd --help
cd: cd [-L|[-P [-e]] [-@]] [dir]
Change the shell working directory.
   Change the current directory to DIR. The default DIR is the value of the
   HOME shell variable.
   The variable CDPATH defines the search path for the directory containing
   DIR. Alternative directory names in CDPATH are separated by a colon (:).
   A null directory name is the same as the current directory. If DIR begins
   with a slash (/), then CDPATH is not used.
   If the directory is not found, and the shell option `cdable_vars' is set,
   the word is assumed to be a variable name. If that variable has a value,
   its value is used for DIR.
   Options:
                force symbolic links to be followed: resolve symbolic
      -L
                links in DIR after processing instances of `...
               use the physical directory structure without following
                symbolic links: resolve symbolic links in DIR before
                processing instances of '...'
                if the -P option is supplied, and the current working
               directory cannot be determined successfully, exit with
                a non-zero status
               on systems that support it, present a file with extended
               attributes as a directory containing the file attributes
    The default is to follow symbolic links, as if '-I' were specified
    ...' is processed by removing the immediately previous pathname component
    back to a slash or the beginning of DIR.
   Returns 0 if the directory is changed, and if $PWD is set successfully when
```

-P is used: non-zero otherwise.

Aprendiendo a movernos con la terminal



mkdir: nos permite crear un directorio:

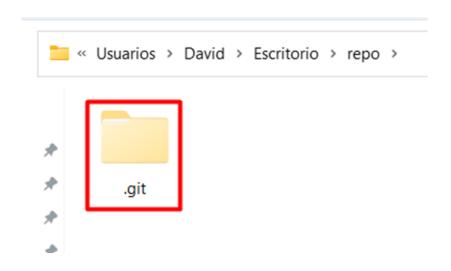
```
MINGW64:/c/Users/David/desktop

David@DESKTOP-D2JLVJS MINGW64 ~/desktop
$ ls
FrontBasico/ Postman.lnk* desktop.ini html2.pdf

David@DESKTOP-D2JLVJS MINGW64 ~/desktop
$ mkdir repo

David@DESKTOP-D2JLVJS MINGW64 ~/desktop
$ ls
FrontBasico/ Postman.lnk* desktop.ini html2.pdf repo/
```

Iniciando un nuevo repositorio de Git en local





Supongo que las cosas se están poniendo bastante serias

Iniciando un nuevo repositorio de Git en local

```
MINGW64:/c/Users/David/Desktop/repo

David@DESKTOP-D2JLVJS MINGW64 ~/Desktop/repo (master)

$ git log
fatal: your current branch 'master' does not have any commits yet

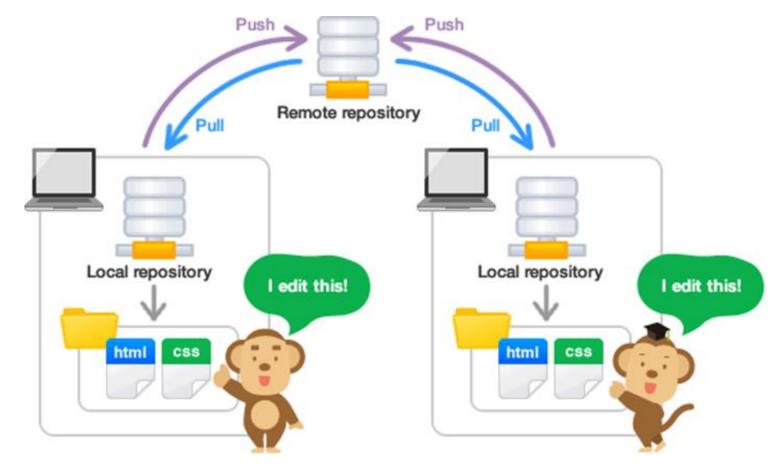
David@DESKTOP-D2JLVJS MINGW64 ~/Desktop/repo (master)

$ git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)
```

Tipos de repositorio en GIT



Repositorios en la nube GitHub, GitLab, BitBucket...

GitHub GitLab BitBucket





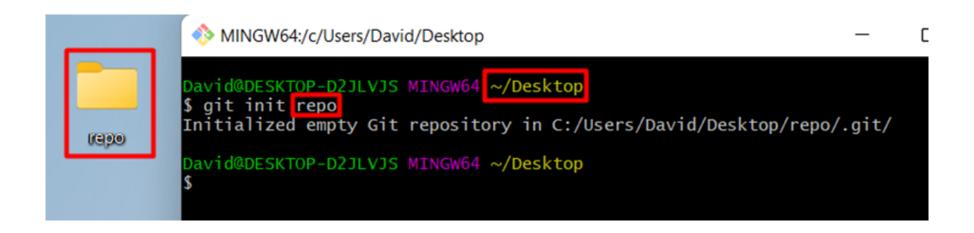


Octocat, la mascota de GitHub



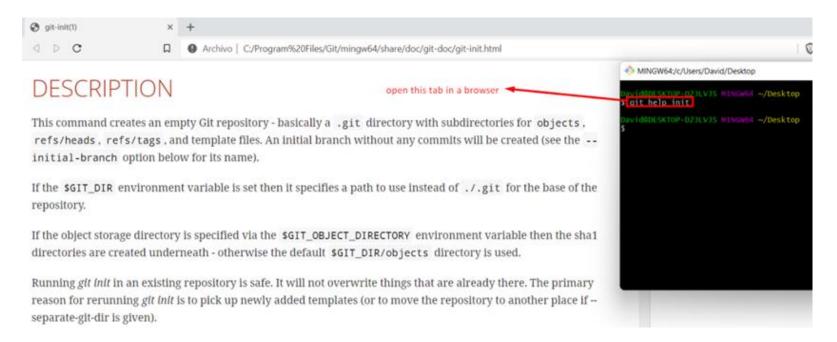
Creando un repositorio de GIT (local repository)

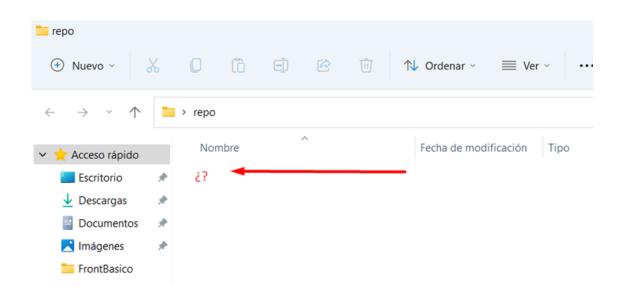
git init

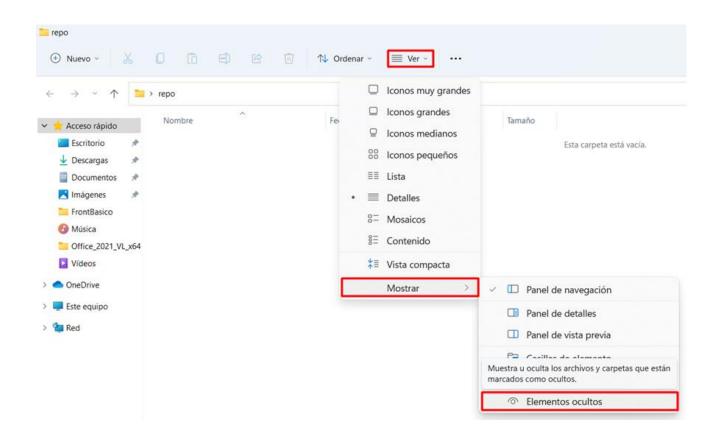


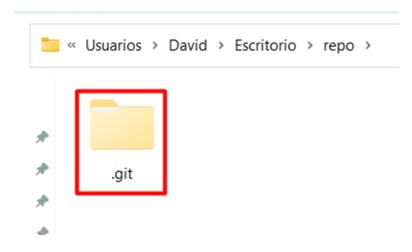
Creando un repositorio de GIT (local repository)

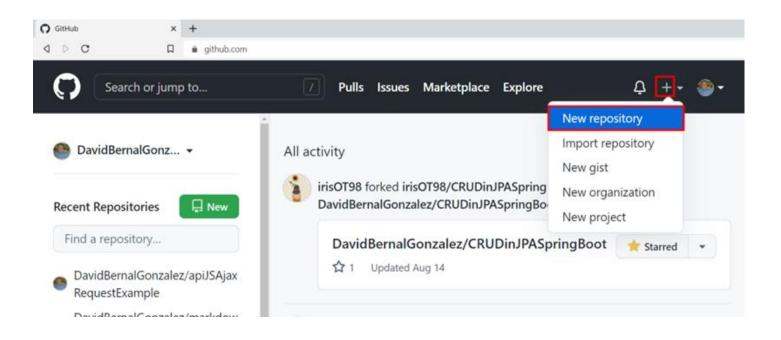
git help init











Creando un repositorio de GIT (local repository)

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository. Owner Repository name * ■ DavidBernalGonzalez ▼ miPrimerRepoEnGitHub Great repository names are short and memorable. Need inspiration? How about expert-quacamole? Description (optional) Anyone on the internet can see this repository. You choose who can commi You choose who can see and commit to this repository. Initialize this repository with: Skip this step if you're importing an existing repository. Add a README file This is where you can write a long description for your project. Learn more ☐ Add .gitignore Choose which files not to track from a list of templates. Learn more. ☐ Choose a license A license tells others what they can and can't do with your code. Learn more. This will set a main as the default branch. Change the default name in your settings. Create repository

Create a new repository

