

# 1. Realiza la instalación de git en linux

Primero actualizo con

`sudo apt update`

```
osboxes@osboxes:~$ sudo apt update
[sudo] password for osboxes:
Hit:1 https://ubuntu.netforce.hosting/ubuntu jammy InRelease
Get:2 https://ubuntu.netforce.hosting/ubuntu jammy-updates InRelease [119 kB]
Get:3 https://ubuntu.netforce.hosting/ubuntu jammy-backports InRelease [109 kB]
Get:4 https://ubuntu.netforce.hosting/ubuntu jammy-security InRelease [110 kB]
Get:5 https://ubuntu.netforce.hosting/ubuntu jammy-updates/main amd64 Packages [1,462 kB]
Get:6 https://ubuntu.netforce.hosting/ubuntu jammy-updates/main i386 Packages [587 kB]
Get:7 https://ubuntu.netforce.hosting/ubuntu jammy-updates/main Translation-en [285 kB]
Get:8 https://ubuntu.netforce.hosting/ubuntu jammy-updates/restricted amd64 Packages [1,559 kB]
Get:9 https://ubuntu.netforce.hosting/ubuntu jammy-updates/restricted Translation-en [259 kB]
Get:10 https://ubuntu.netforce.hosting/ubuntu jammy-updates/universe i386 Packages [695 kB]
Get:11 https://ubuntu.netforce.hosting/ubuntu jammy-updates/universe amd64 Packages [1,057 kB]
Get:12 https://ubuntu.netforce.hosting/ubuntu jammy-updates/universe Translation-en [239 kB]
Get:13 https://ubuntu.netforce.hosting/ubuntu jammy-backports/main amd64 Packages [67.1 kB]
Get:14 https://ubuntu.netforce.hosting/ubuntu jammy-backports/main i386 Packages [59.2 kB]
Get:15 https://ubuntu.netforce.hosting/ubuntu jammy-backports/main Translation-en [11.0 kB]
Get:16 https://ubuntu.netforce.hosting/ubuntu jammy-backports/universe i386 Packages [17.2 kB]
Get:17 https://ubuntu.netforce.hosting/ubuntu jammy-backports/universe amd64 Packages [28.4 kB]
Get:18 https://ubuntu.netforce.hosting/ubuntu jammy-backports/universe Translation-en [16.6 kB]
Get:19 https://ubuntu.netforce.hosting/ubuntu jammy-security/main i386 Packages [421 kB]
Get:20 https://ubuntu.netforce.hosting/ubuntu jammy-security/main amd64 Packages [1,246 kB]
Get:21 https://ubuntu.netforce.hosting/ubuntu jammy-security/main Translation-en [225 kB]
Get:22 https://ubuntu.netforce.hosting/ubuntu jammy-security/restricted amd64 Packages [1,531 kB]
Get:23 https://ubuntu.netforce.hosting/ubuntu jammy-security/restricted Translation-en [255 kB]
Get:24 https://ubuntu.netforce.hosting/ubuntu jammy-security/universe amd64 Packages [850 kB]
Get:25 https://ubuntu.netforce.hosting/ubuntu jammy-security/universe i386 Packages [598 kB]
Get:26 https://ubuntu.netforce.hosting/ubuntu jammy-security/universe Translation-en [162 kB]
Fetched 12.0 MB in 3s (4,418 kB/s)
```

Y ahora instalo con

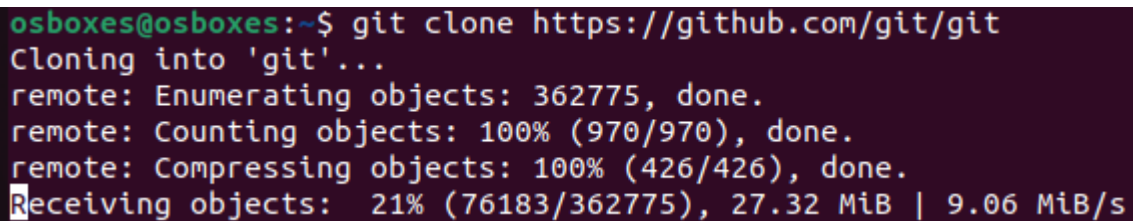
`sudo apt install git`

```
osboxes@osboxes:~$ sudo apt install git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui gitk gitweb git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 525 not upgraded.
Need to get 4,147 kB of archives.
After this operation, 21.0 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 https://ubuntu.netforce.hosting/ubuntu jammy/main amd64 liberror-perl all 0.17029-1 [26.5 kB]
Get:2 https://ubuntu.netforce.hosting/ubuntu jammy-updates/main amd64 git-man all 1:2.34.1-1ubuntu1.10 [954 kB]
Get:3 https://ubuntu.netforce.hosting/ubuntu jammy-updates/main amd64 git amd64 1:2.34.1-1ubuntu1.10 [3,166 kB]
Fetched 4,147 kB in 2s (2,659 kB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 90%
```

## 2. Explica cómo obtener Git a través del propio Git para futuras actualizaciones, de manera que descargaría automáticamente el código fuente desde su repositorio.

Clono el repositorio

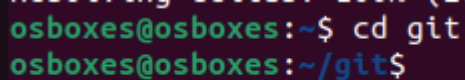
```
git clone https://github.com/git/git
```



```
osboxes@osboxes:~$ git clone https://github.com/git/git
Cloning into 'git'...
remote: Enumerating objects: 362775, done.
remote: Counting objects: 100% (970/970), done.
remote: Compressing objects: 100% (426/426), done.
Receiving objects: 21% (76183/362775), 27.32 MiB | 9.06 MiB/s
```

Ahora voy al directorio git

```
cd git
```



```
osboxes@osboxes:~$ cd git
osboxes@osboxes:~/git$
```

Ahora compilo el código fuente de Git con el prefijo /usr/local

```
make prefix=/usr/local/ all
```

Y ahora

```
sudo make prefix=/usr/local/ install
```

### 3. Comprueba la versión que se ha instalado de Git.

Compruebo la versión con

`git --version`

```
osboxes@osboxes:~/git$ git --version
git version 2.34.1
osboxes@osboxes:~/git$
```

### 4. Establecer el nombre de usuario y dirección de correo electrónico en la configuración de Git.

Establezco el nombre

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

```
osboxes@osboxes:~/git$ git config --global user.name "Daniel"
osboxes@osboxes:~/git$
```

Ahora el correo

`git config --global user.email "leira98@gmail.com"`

```
osboxes@osboxes:~/git$ git config --global user.email "leira98@gmail.com"
osboxes@osboxes:~/git$
```

## 5. Cambiar el editor de texto que trae por defecto Git al editor emacs.

Lo cambio con

```
git config --global core.editor "emacs"
```

```
osboxes@osboxes:~/git$ git config --global core.editor "emacs"  
osboxes@osboxes:~/git$
```

## 6. Dentro de la carpeta /var/cache/git/ crear una carpeta para un nuevo proyecto denominado tarea\_DAW06 e iniciar un repositorio con el nuevo proyecto.

Primero creo la carpeta y los archivos porque no existen

```
sudo mkdir -p /var/cache/git/tareaGit
```

```
osboxes@osboxes:~$ sudo mkdir -p /var/cache/git/tareaGit  
[sudo] password for osboxes:  
osboxes@osboxes:~$
```

Ahora

Ahora voy a la carpeta

```
cd /var/cache/git/tareaGit
```

```
osboxes@osboxes:~$ cd /var/cache/git/tareaGit  
osboxes@osboxes:/var/cache/git/tareaGit$
```

Ahora inicio el repositorio con

sudo git init

```
osboxes@osboxes:/var/cache/git/tareaGit$ sudo git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /var/cache/git/tareaGit/.git/
osboxes@osboxes:/var/cache/git/tareaGit$
```

## 7. Haz alguno de los ejercicios indicados en (como crear un fichero y hacer commit del cambio).

Creo un txt

sudo touch archivo.txt

```
osboxes@osboxes:/var/cache/git/tareaGit$ sudo touch archivo.txt
osboxes@osboxes:/var/cache/git/tareaGit$
```

Ahora añado contenido al archivo

echo "Chollando en la tarea" | sudo tee archivo.txt

```
osboxes@osboxes:/var/cache/git/tareaGit$ echo "Chollando en la tarea" | sudo tee archivo.txt
Chollando en la tarea
```

(Escribo por la terminal con el echo y luego lo pillo para el archivo)

Ahora lo añado al área de preparación

sudo git add archivo.txt

```
osboxes@osboxes:/var/cache/git/tareaGit$ sudo git add archivo.txt
osboxes@osboxes:/var/cache/git/tareaGit$
```

Ahora hago commit de los cambios

```
git commit -m "Agregado archivo.txt al repositorio"
```