Pas a Pas Creat SSH key in Ubuntu to access Github via SSH:

Generem les claus de ssh en del directori /.ssh

cd ~/.ssh
ssh-keygen

```
bob@apache:~/.ssh$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/bob/.ssh/id_rsa):
```

(enter aplicarem les claus en el directori per defecte)

```
Enter passphrase (empty for no passphrase):
```
(Stucom1234)

Veiem que genera correctament les claus i les xifra

```
Your identification has been saved in /home/bob/.ssh/id_rsa
Your public key has been saved in /home/bob/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:ttzpYrNTrgEt1T4zqmVrW5uQ1PENROH91eswsOV32G0 bob@apache
The key's randomart image is:
+---[RSA 3072]----+
|            .+.  |
|          . o .  .|
|         . o.o.. o|
|        o o o=o ++|
|       o S *..+ooE|
|        * =.=  =..|
|         Xo+    . |
|         +**.o    |
|         .o=B+    |
+----[SHA256]-----+
bob@apache:~/.ssh$
```

Llistem el directori per veure les claus correctament creades.

```
bob@apache:~/.ssh$ ll
total 16
drwx------ 2 bob bob 4096 dic 11 15:47 ./
drwxr-x--- 7 bob bob 4096 dic 11 15:04 ../
-rw------- 1 bob bob 2635 dic 11 15:47 id_rsa
-rw-r--r-- 1 bob bob  564 dic 11 15:47 id_rsa.pub
bob@apache:~/.ssh$
```
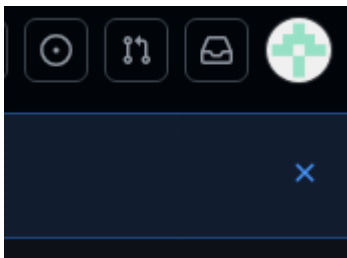
fem un cat al id_rsa.pub

cat id_rsa.pub

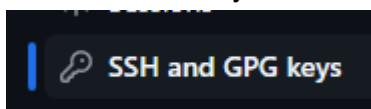El copiem i l'adjuntarem en el github:

A dalt a la dreta:

Configuracio:

SSH and GPG keys

Correu clau de autenticació i enganxem al final la id_rsa.pub

Add new SSH Key

Title

musicadrive999@gmail.com

Key type

Authentication Key ⇕

Key

ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAABgQDnb/gm3YNVNqTccD0FNdeOCV8ptRiXQ3qOs
hokrs+GWPBnan/UmdTgYPvgl0R1SacT/AvFPZ4KYYFz01DLHGL4slkDquXu6Y4YNBXto9uK
fyoAunRp0TQGqiUC6lZNtvB9PGznMfq/ED3Jpo3rpVo3UGQf8rtuumzNxk03kxz4mtlwheQ
HH7hRENIhbKMPZqYga98/6xpnat+qAoUYPKE9CvZHnzZL9eeGMLWtR3Z8uPDS2oz8mBY
u665Bsn+9jBo13BYhY0bzFHbfw3LCgBQ7IJ5qwtUx+axByls6p/4nlFXY59gmyew/zwv/TVL
mKVTRLUJPkG9nYKcyw6ocb4YK+cYoUhR+xfPVFFMlfrzA1sJzV0UbbJ6yi34eTRvXiG+cf3Fj
qzhqlL+7sLp4oee/0GFyYPmZnoE0KU7zab9NDfx87GOuxO3JgHS4tpqvm9YN9QGnJxJ9c2
SbQfaXXkmBSuxKii9x1NhdRUZhbZR8wqhx3duXISBWqvceN1wUUVs= bob@apache

Add SSH key

git clone git@github.com:mxntse3exe/EvilMarc.git

LListem el directori de /.ssh

ll

```
bob@apache:~/.ssh$ ll
total 28
drwx------ 3 bob bob 4096 dic 11 15:55 ./
drwxr-x--- 7 bob bob 4096 dic 11 15:04 ../
-rw------- 1 bob bob 2635 dic 11 15:47 id_rsa
-rw-r--r-- 1 bob bob  564 dic 11 15:47 id_rsa.pub
-rw------- 1 bob bob  978 dic 11 15:55 known_hosts
-rw-r--r-- 1 bob bob  142 dic 11 15:55 known_hosts.old
drwxrwxr-x 8 bob bob 4096 dic 11 15:55 Web-prova/
```

Veiem que s'ha clonat correctament:

cd Web-prova

```
bob@apache:~/.ssh$ cd Web-prova/
```

LListem el directori

```
bob@apache:~/.ssh/Web-prova$ ls -lah
total 52K
drwxrwxr-x 8 bob bob 4,0K dic 11 15:55  .
drwx------ 3 bob bob 4,0K dic 11 15:55  ..
-rw-rw-r-- 1 bob bob  453 dic 11 15:55 'ABOUT THIS TEMPLATE.txt'
drwxrwxr-x 2 bob bob 4,0K dic 11 15:55  css
drwxrwxr-x 2 bob bob 4,0K dic 11 15:55  font
drwxrwxr-x 8 bob bob 4,0K dic 11 15:55  .git
drwxrwxr-x 4 bob bob 4,0K dic 11 15:55  images
-rw-rw-r-- 1 bob bob  15K dic 11 15:55  index.html
drwxrwxr-x 2 bob bob 4,0K dic 11 15:55  js
drwxrwxr-x 2 bob bob 4,0K dic 11 15:55  sass
bob@apache:~/.ssh/Web-prova$
```

Veiem que es correcte i concideix amb el del nostre github.

Crearem uns fitxers pero probar de pujarlos al nostre Git Hub.

cd .ssh/Web-prova
nano file1.txt

nano file2.txt

```
GNU nano 6.2                                         file2.txt

 _     _                 _
| |   (_)               | |
| |__  _  ___ _ __     _| |_ _   _
| '_ \| |/ _ \ '_ \   | __| | | |
| |_) | |  __/ | | |  | |_| |_| |
|_.__/|_|\___|_| |_|   \__|\__,_|
                      _/ |
                     |__/
```

Veurem el status dels fitxers:
    git status

```
bob@apache:~/.ssh/Web-prova$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        file1.txt
        file2.txt

nothing added to commit but untracked files present (use "git add" to track)
bob@apache:~/.ssh/Web-prova$
```

Per afegir totes les novetats del directori actual:
    git add .

```
bob@apache:~/.ssh/Web-prova$ git add .
```

    git status

```
bob@apache:~/.ssh/Web-prova$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   file1.txt
        new file:   file2.txt
```

    git config user.email "bob@gmail.com"
    git config user.name "Bob"

```
bob@apache:~/.ssh/Web-prova$ git config user.email "bob@gmail.com"
bob@apache:~/.ssh/Web-prova$ git config user.name "Bob"
```

git commit -m "demo"

```
bob@apache:~/.ssh/Web-prova$ git commit -m "demo"
[main fc97d86] demo
 2 files changed, 16 insertions(+)
 create mode 100644 file1.txt
 create mode 100644 file2.txt
bob@apache:~/.ssh/Web-prova$
```

git status

```
bob@apache:~/.ssh/Web-prova$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
bob@apache:~/.ssh/Web-prova$
```

Pujarem amb push en el directori que ens aparegui aqui:
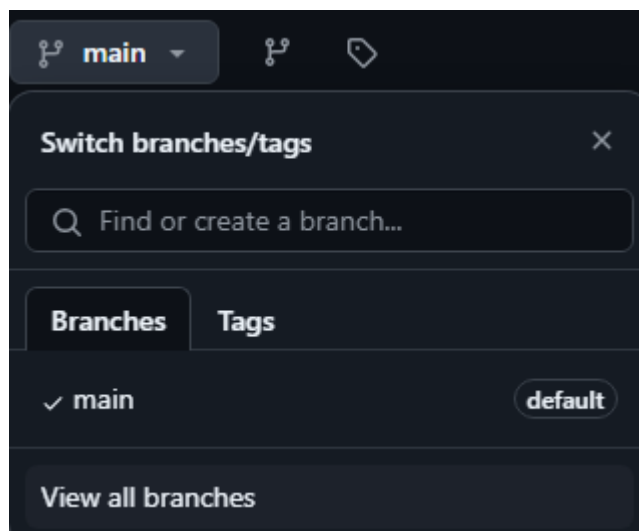
git push -u origin main

```
bob@apache:~/.ssh/Web-prova$ git push -u origin main
Enter passphrase for key '/home/bob/.ssh/id_rsa':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 3 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 549 bytes | 274.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:mprova/Web-prova.git
   fe4db88..fc97d86  main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
bob@apache:~/.ssh/Web-prova$
```

S'afageix correctament

main ▾		Go to file	+	<> Code ▾
🐵 **bobbymitchell1** demo			fc97d86 · 28 minutes ago	🕒
📁 css	Add files via upload			yesterday
📁 font	Add files via upload			yesterday
📁 images	Add files via upload			yesterday
📁 js	Add files via upload			yesterday
📁 sass	Add files via upload			yesterday
📄 ABOUT THIS TEMPLATE.txt	Add files via upload			yesterday
📄 file1.txt	demo			28 minutes ago
📄 file2.txt	demo			28 minutes ago
📄 index.html	Add files via upload			yesterday