

Actividad Evaluable

| | |
|---|------------------------|
| Módulo | Servicios de red |
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| Estas soluciones deben ser entregadas en PDF. | |

FECHA DE ENTREGA: --/--/21

Objetivos

El objetivo de esta actividad individual es la de repasar, asentar y adquirir un mayor conocimiento de lo impartido en clase.

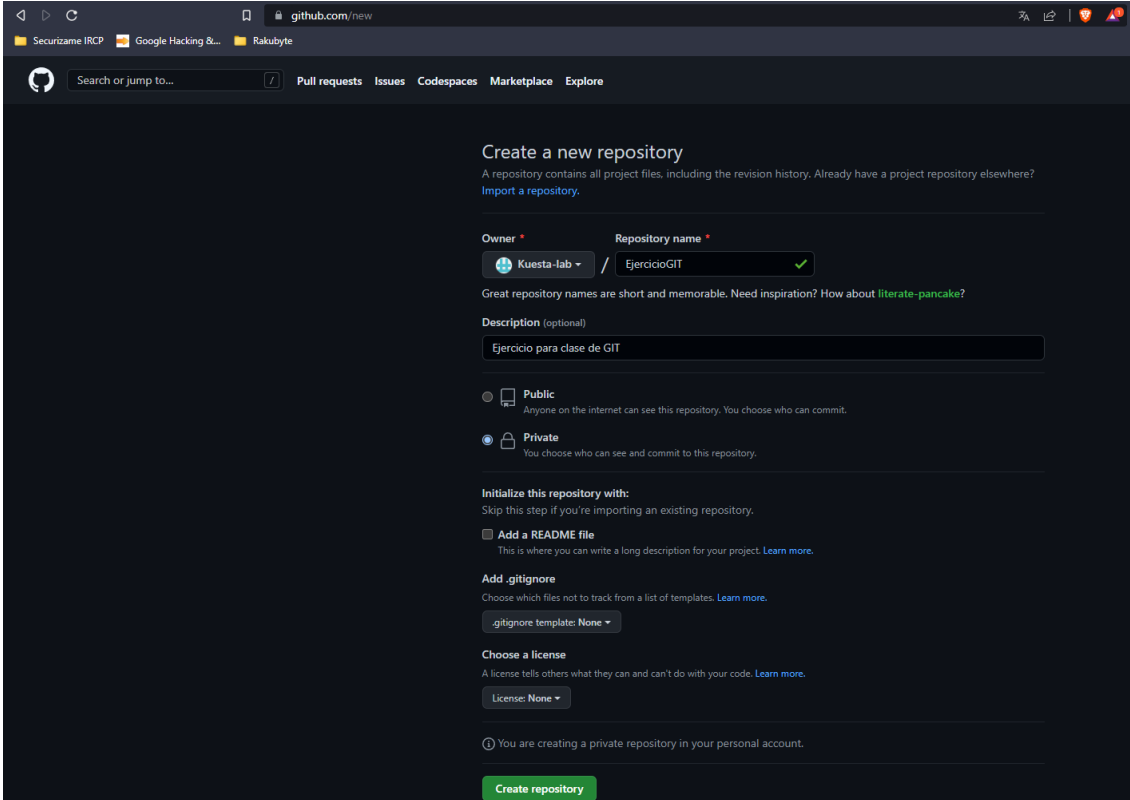
El archivo debe nombrarse como: **nombre_apellido1_apellido2.PDF**

Ej: Belen_Vargas_Sabater.pdf

Cuestiones

EJERCICIO 1: **Práctica:** Realizar una guía práctica a modo de tutorial, sobre el uso de GitHub, algunos de los elementos que debe cubrir son:

- Creación de repositorio y conexión con repositorio personal de GitHub mediante terminal con ejemplos
 1. Primero de todo, creamos el repositorio.



github.com/new

Securizame IRCP Google Hacking &... Rakubyte

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Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner * Repository name *

Kuesta-lab / EjercicioGIT

Great repository names are short and memorable. Need inspiration? [How about `literate-pancake`?](#)

Description (optional)

Ejercicio para clase de GIT

☐ Public
Anyone on the internet can see this repository. You choose who can commit.

☒ Private
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.](#)

.gitignore template: None

Choose a license

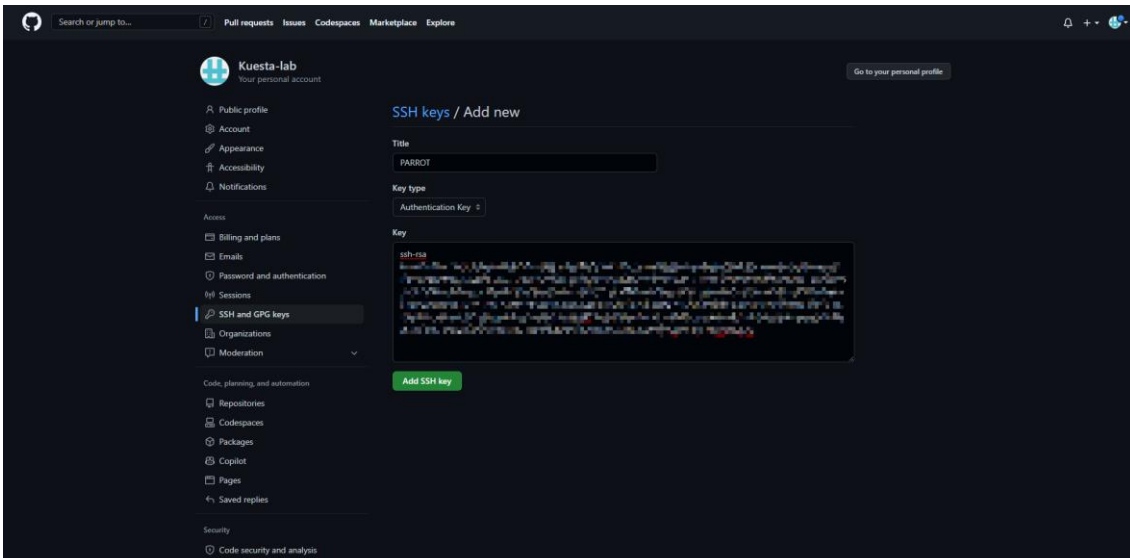
A license tells others what they can and can't do with your code. [Learn more.](#)

License: None

🔒 You are creating a private repository in your personal account.

Create repository

2. Creamos la clave SSH y la añadimos a nuestro perfil.



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Kuesta-lab
Your personal account

Go to your personal profile

Public profile
Account
Appearance
Accessibility
Notifications

Accounts
Billing and plans
Emails
Password and authentication
Sessions

SSH and GPG keys

Organizations
Moderation

Code, planning, and automation
Repositories
Codespaces
Packages
Copilot
Pages
Saved replies

Security
Code security and analysis

SSH keys / Add new

Title

PARROT

Key type

Authentication Key

Key

```
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQDAQ... (truncated)
```

Add SSH key

3. Inicializamos el repositorio de git

```
~/git/ejerciciogit 51s
> 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 /home/user/git/ejerciciogit/.git/

~/git/ejerciciogit master*
>
```

4. Creamos un archivo de ejemplo y hacemos un “git status -s” para ver el estado

```
~/git/ejerciciogit master*
> git status -s
?? patata.txt

~/git/ejerciciogit master*
>
```

5. Hacemos un “Git add .” para añadirlo al stage y luego volvemos a ejecutar “git status -s” para ver los cambios.

```
~/git/ejerciciogit master*
> git add .

~/git/ejerciciogit master*
> git status -s
A patata.txt

~/git/ejerciciogit master*
>
```

6. Creamos nuestro primer commit con “git commit -m”

```
~/git/ejerciciogit master*
> git commit -m "Esto es el primer commit"
[master (root-commit) ed11f0b] Esto es el primer commit
Committer: Parrot User <user@localhost.localdomain>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 1 insertion(+)
create mode 100644 patata.txt
```

7. Para revisar el commit usaremos “git log”

```
commit ed11f0b169019833d09b24f6ac0017c177e099ac (HEAD -> master)
Author: Parrot User <user@localhost.localdomain>
Date: Mon Jan 23 22:17:46 2023 +0000

    Esto es el primer commit
(END)
```

8. Si modificamos el archivo, y volvemos a lanzar otro “git status -s” en el que podremos observar que aparece una M de modificado.

```
~/git/ejerciciogit master 51s
> n patata.txt

~/git/ejerciciogit master* 29s
> git status -s
M patata.txt

~/git/ejerciciogit master*
> █
```

- Push Y pulls a los repositorios desde el terminal con ejemplos.

9. Creamos la rama main, ya que está mal visto usar la rama master por motivos éticos.

```
~/git/ejerciciogit master
> git checkout -b main
Switched to a new branch 'main'

~/git/ejerciciogit main
> █
```

10. Añadimos la url al repositorio remoto, con el identificador origin (el que se usa por defecto).

```
~/git/ejerciciogit main
> git remote add origin git@github.com:Kuesta-lab/EjercicioGIT.git

~/git/ejerciciogit main
> git remote set-url origin git@github.com:Kuesta-lab/EjercicioGIT.git
```

11. Hacemos un “git push” para subir la rama main al repositorio remoto origin.

```
~/git/ejerciciogit main
> git push origin main
The authenticity of host 'github.com (140.82.121.4)' can't be established.
ECDSA key fingerprint is SHA256:p2QAMXNIC1TJYWeIOttrVc98/R1BUFWu3/LiyKgUfQM.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com,140.82.121.4' (ECDSA) to the list of known hosts.
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 528 bytes | 528.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To github.com:Kuesta-lab/EjercicioGIT.git
* [new branch]      main -> main
```

12. Hacemos cambios, añadimos al stage y hacemos un commit, y por último pusheamos, por defecto git se acuerda donde ha sido nuestro ultimo push y lo hace al mismo sitio.

```
~/git/EjercicioGIT main
> touch cambio.txt

~/git/EjercicioGIT main*
> git commit -m "Mi primer cambio en GitHub"
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)
      cambio.txt

nothing added to commit but untracked files present (use "git add" to track)

~/git/EjercicioGIT main*
> git add .

~/git/EjercicioGIT main*
> git commit -m "Mi primer cambio en GitHub"
[main e46f6ce] Mi primer cambio en GitHub
  Committer: Parrot User <user@localhost.localdomain>
  Your name and email address were configured automatically based
  on your username and hostname. Please check that they are accurate.
  You can suppress this message by setting them explicitly. Run the
  following command and follow the instructions in your editor to edit
  your configuration file:

      git config --global --edit

  After doing this, you may fix the identity used for this commit with:

      git commit --amend --reset-author

  1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 cambio.txt

~/git/EjercicioGIT main *
> git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 292 bytes | 292.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:Kuesta-lab/EjercicioGIT.git
66d6c48..e46f6ce main -> main

~/git/EjercicioGIT main
>
```

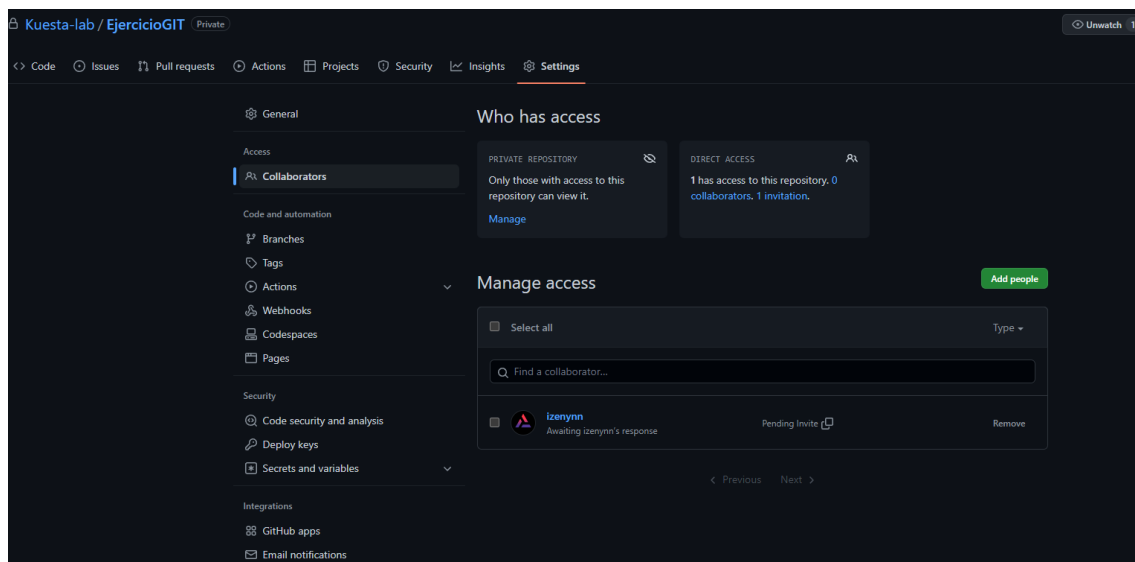
13. Hacemos un “git pull” en el repositorio original, para bajarnos los cambios que hemos hecho.

```
~/git/ejerciciogit main
> git pull origin main
hint: Pulling without specifying how to reconcile divergent branches is
hint: discouraged. You can squelch this message by running one of the following
hint: commands sometime before your next pull:
hint:
hint:   git config pull.rebase false  # merge (the default strategy)
hint:   git config pull.rebase true   # rebase
hint:   git config pull.ff only       # fast-forward only
hint:
hint: You can replace "git config" with "git config --global" to set a default
hint: preference for all repositories. You can also pass --rebase, --no-rebase,
hint: or --ff-only on the command line to override the configured default per
hint: invocation.
From github.com:Kuesta-lab/EjercicioGIT
 * branch                main       -> FETCH_HEAD
Updating 66d6c48..e46f6ce
Fast-forward
 cambio.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 cambio.txt

~/git/ejerciciogit main
> 
```

- Cada miembro del equipo debe realizar cambios en el repositorio propiedad de uno de los miembros, documenta el proceso.

14. Invitamos como colaborador de repositorio a otra persona.



15. Creamos cambios desde la otra cuenta.

```
~/git/EjercicioGIT main*
> gcmmsg "commit desde otra cuenta"
[main f9713a1] commit desde otra cuenta
1 file changed, 1 insertion(+)

~/git/EjercicioGIT main †
> gp
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 331 bytes | 331.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:Kuesta-lab/EjercicioGIT.git
4d5a296..f9713a1 main -> main
~/git/EjercicioGIT main
> P
```

16. Volvemos a hacer un “git pull” desde mi ordenador, y hacemos un “git log” para ver los cambios realizado desde las otras cuentas.

```
commit 696ea9d0bdf535d61a62c0f166c490ccdf7f8e1f (HEAD -> main, origin/main)
Author: izenynn <me@izenynn.com>
Date: Mon Jan 23 23:02:01 2023 +0100

    commit desde otra cuenta 2

commit f9713a1a12548d3ce5c4f43203712666cdb0068a
Author: user <user@user.com>
Date: Mon Jan 23 22:57:18 2023 +0100

    commit desde otra cuenta

commit 4d5a2969520510f89b362396e6899612e15a21f9
Author: Kuesta-lab <70471392+Kuesta-lab@users.noreply.github.com>
Date: Mon Jan 23 22:46:29 2023 +0100

    Poveda me obligo

commit e46f6ced603537a4732e70998ed4042067c0f75c
Author: Parrot User <user@localhost.localdomain>
Date: Mon Jan 23 22:40:06 2023 +0000


    Mi primer cambio en GitHub

commit 66d6c48d7679e40973a5591e760419ca87bea5bf (master)
Author: Parrot User <user@localhost.localdomain>
Date: Mon Jan 23 22:25:02 2023 +0000














    Esto es el segundo commit

commit ed11f0b169019833d09b24f6ac0017c177e099ac
Author: Parrot User <user@localhost.localdomain>
Date: Mon Jan 23 22:17:46 2023 +0000

    Esto es el primer commit
(END)
```

 main

Commits on Jan 23, 2023

| | |
|--|--|
| commit desde otra cuenta 2 izenynn committed 1 minute ago |  696ea9d  |
| commit desde otra cuenta user committed 6 minutes ago |  f9713a1  |
| Poveda me obligo  Kuesta-lab committed 17 minutes ago | Verified  4d5a296  |
| Mi primer cambio en GitHub Parrot User committed in 36 minutes |  e46f6ce  |
| Esto es el segundo commit Parrot User committed in 21 minutes |  66d6c48  |
| Esto es el primer commit Parrot User committed in 14 minutes |  ed11f0b  |