

**Institut Universitaire des Sciences (IUS)**  
**FACULTÉ DES SCIENCES ET DES TECHNOLOGIES (FST)**

**RAPPORT**  
**SUR LE TRAVAIL DE LABORATOIRE N° 1**

*Cours : Systèmes d'Exploitation Linux*

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**Niveau : L3**

2025

## Objectif du TD:

- Comprendre les concepts de base de Git.
- Apprendre à utiliser les commandes Git pour gérer un projet en versionnement.
- Savoir créer et gérer des dépôts GitHub.
- Collaborer sur un projet en utilisant GitHub

## Exécution du TD

1. Reproduire les taches ci-dessus sur Git et GitHub

- 1-Créer un nouveau projet.

```
S C:\Users\Dreacks F Véus> winget install --id Git.Git -e --source winget
ound Git [Git.Git] Version 2.47.1
his application is licensed to you by its owner.
icrosoft is not responsible for, nor does it grant any licenses to, third-party packages.
uccessfully verified installer hash
tarting package install...
he installer will request to run as administrator, expect a prompt.
uccessfully installed
S C:\Users\Dreacks F Véus> git --version
it version 2.47.1.windows.1
S C:\Users\Dreacks F Véus> cd desktop
S C:\Users\Dreacks F Véus\desktop> mkdir MonProjet1

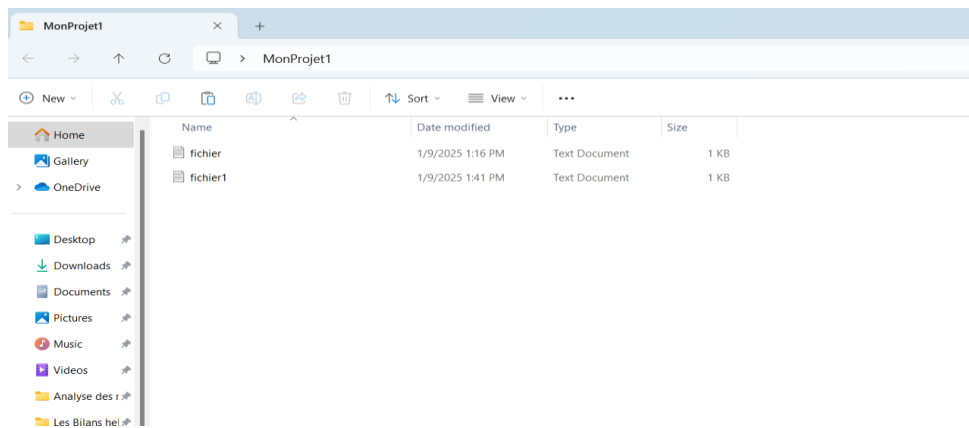
Directory: C:\Users\Dreacks F Véus\desktop

Mode                LastWriteTime         Length Name
----                -
-----            1/9/2025   1:06 PM             MonProjet1
```



- 2- Ajouter deux fichiers et le suivre avec Git

```
$ C:\Users\Dreacks F Véus\desktop> cd MonProjet1
$ C:\Users\Dreacks F Véus\desktop\MonProjet1> git init
Initialized empty Git repository in C:/Users/Dreacks F Véus/Desktop/MonProjet1/.git/
$ C:\Users\Dreacks F Véus\desktop\MonProjet1> echo "Hello, Git!" > fichier.txt
$ C:\Users\Dreacks F Véus\desktop\MonProjet1> echo "Bonjour, Git!" > fichier
$ C:\Users\Dreacks F Véus\desktop\MonProjet1> echo "Bonjour, Git!" > fichier1.txt
$ C:\Users\Dreacks F Véus\desktop\MonProjet1> |
```



3- Afficher les modifications non validées et les fichiers non suivis. Ajouter les fichiers modifiés

```
Windows PowerShell

fichier.txt
fichier1.txt

nothing added to commit but untracked files present (use "git add" to track)
PS C:\Users\Dreacks F Véus\desktop\MonProjet3> git add .
PS C:\Users\Dreacks F Véus\desktop\MonProjet3> git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   fichier.txt
        new file:   fichier1.txt

PS C:\Users\Dreacks F Véus\desktop\MonProjet3> git commit -m "Ajout fichier et fichier1"
Author identity unknown
```

4-Enregistrer les modifications ajoutées dans l'historique du projet

```
Windows PowerShell

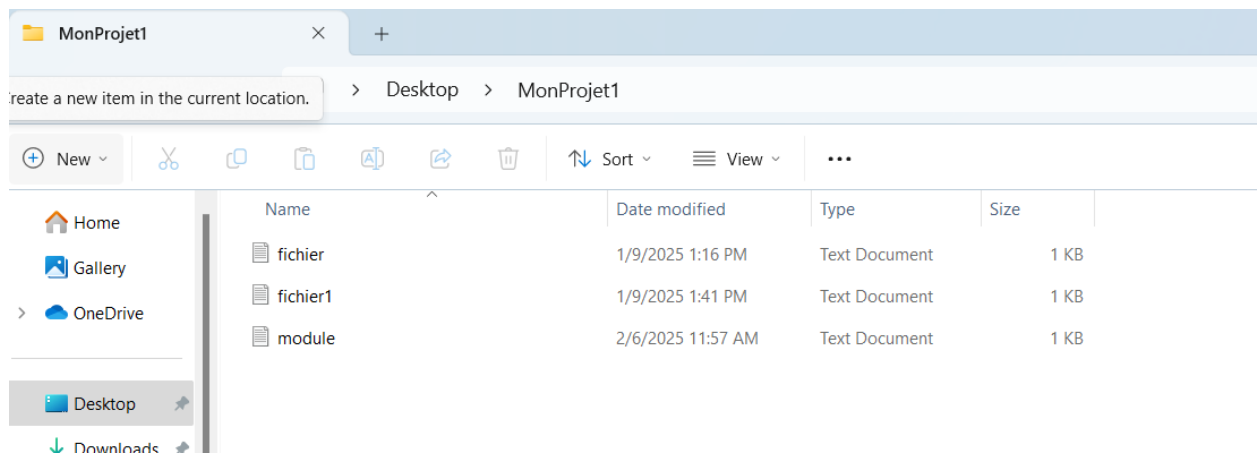
PS C:\Users\Dreacks F Véus> git commit -m
fatal: not a git repository (or any of the parent directories): .git
PS C:\Users\Dreacks F Véus> cd desktop
PS C:\Users\Dreacks F Véus\desktop> cd MonProjet1
PS C:\Users\Dreacks F Véus\desktop\MonProjet1> git add.
git: 'add.' is not a git command. See 'git --help'.

The most similar command is
  add
PS C:\Users\Dreacks F Véus\desktop\MonProjet1> git add .
PS C:\Users\Dreacks F Véus\desktop\MonProjet1> git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   fichier.txt
        new file:   fichier1.txt
        new file:   module.txt

PS C:\Users\Dreacks F Véus\desktop\MonProjet1> git commit -m
error: switch `m' requires a value
PS C:\Users\Dreacks F Véus\desktop\MonProjet1> git commit -m "Ajout fichier et fichier1"
[master (root-commit) b4bfd47] Ajout fichier et fichier1
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 fichier.txt
 create mode 100644 fichier1.txt
 create mode 100644 module.txt
PS C:\Users\Dreacks F Véus\desktop\MonProjet1>
```



## 5- Créer un compte GitHub



# Sign in to GitHub

Username or email address

beatricefabien30@gmail.com

Password

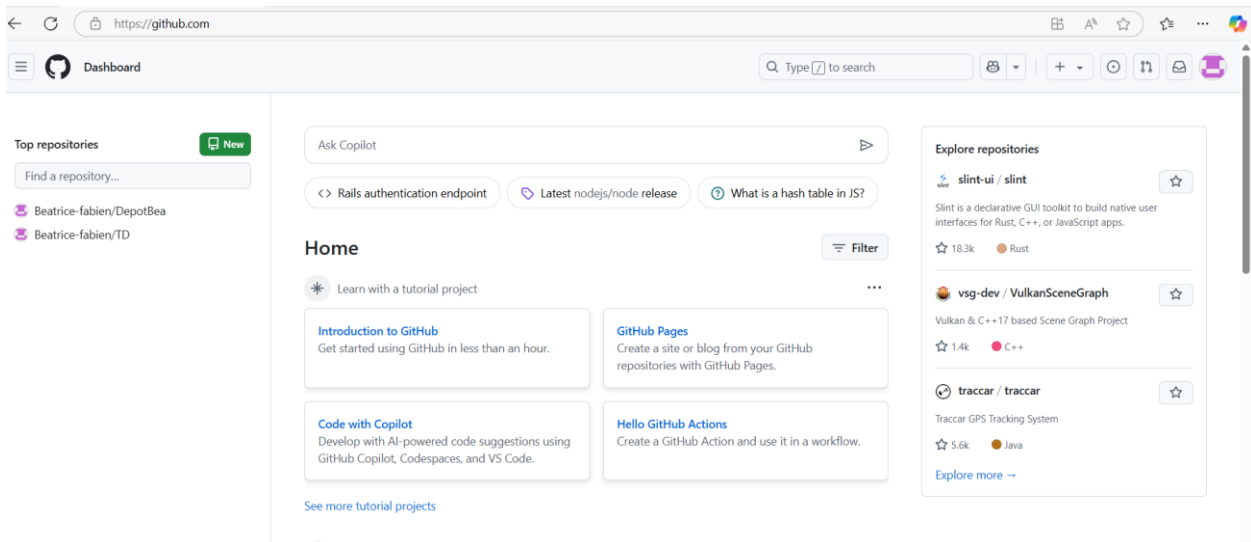
[Forgot password?](#)

.....

**Sign in**

[Sign in with a passkey](#)

New to GitHub? [Create an account](#)



## Generer une nouvelle cle SSH

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Dreacks F Véus> ssh-keygen -t rsa -b 4096 -C "beatricefabien30@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\Dreacks F Véus/.ssh/id_rsa):
C:\Users\Dreacks F Véus/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in C:\Users\Dreacks F Véus/.ssh/id_rsa
Your public key has been saved in C:\Users\Dreacks F Véus/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:UY2JLOJNKKH3Jvz6hcQRZMzNkK/F7bDMLusFLFE6yk beatricefabien30@gmail.com
The key's randomart image is:
+---[RSA 4096]-----+
| .o== . . .+ |
| .oB.= o.o . |
| ..o=.O o. |
| +o+.B .. |
| E =o=B +S |
| ..=+.+ . |
| .o . |
| .. . |
| ... |
+---[SHA256]-----+
PS C:\Users\Dreacks F Véus> |
```

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Dreacks F Véus> cd desktop
PS C:\Users\Dreacks F Véus\desktop> git clone git@github.com:Beatrice-fabien/DepotBea.git
Cloning into 'DepotBea'...
The authenticity of host 'github.com (140.82.112.4)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvC0qU.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
Connection reset by 140.82.112.4 port 22
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
PS C:\Users\Dreacks F Véus\desktop> move "C:\Users\Dreacks F Véus\Desktop\ProjetBea" "C:\Users\Dreacks F Véus\Desktop\De
potBea"
PS C:\Users\Dreacks F Véus\desktop> |
```

```
PS C:\Users\Dreacks F Véus\desktop\TD> cd systeme
PS C:\Users\Dreacks F Véus\desktop\TD\systeme> mkdir image
```

Directory: C:\Users\Dreacks F Véus\desktop\TD\systeme

Mode	LastWriteTime	Length	Name
d-----	2/7/2025 8:07 AM		image

```
PS C:\Users\Dreacks F Véus\desktop\TD\systeme> cd ..
PS C:\Users\Dreacks F Véus\desktop\TD> mkdir reseau
```

Directory: C:\Users\Dreacks F Véus\desktop\TD

Mode	LastWriteTime	Length	Name
d-----	2/7/2025 8:09 AM		reseau

```
PS C:\Users\Dreacks F Véus\desktop\TD> cd reseau
PS C:\Users\Dreacks F Véus\desktop\TD\reseau> mkdir image
```

Directory: C:\Users\Dreacks F Véus\desktop\TD\reseau

Mode	LastWriteTime	Length	Name
d-----	2/7/2025 8:09 AM		image

```
PS C:\Users\Dreacks F Véus\desktop\TD\reseau>
```

## Conclusion

J'ai pu créer des répertoires et des fichiers à partir de Git ou Windows Power Shell et aussi créer un dépôt sur GitHub.