

git clone [gitlab]

2 façons de cloner un repo gitlab (et github d'ailleurs!)

Façon 1 : **https**

Façon 2 : **ssh**

Façon 1 : https

1- Copiez lien https dans repo

The screenshot shows a GitLab project interface. On the left, there's a sidebar with various project management and monitoring links. The main area displays a project named 'TP1'. Below the project name, there's a list of files: 'gestion_donnees.py', 'regression.py', 'requirements.txt', and 'solution_regression.py'. Above this list, there's a commit message: 'ajout du code base' by Gab-Jean. A red arrow points from the text 'copier url https' to the 'Copy URL' button in the 'Clone with HTTPS' section of the dropdown menu.

2- tapez “git clone [lien https]” dans un terminal

```
[BUR] ~/tmp/ git clone https://depot.dinf.usherbrooke.ca/dinf/cours/H2026/IFT603-IFT712/tp1/eq03/tp1.git
Cloning into 'tp1'...
Username for 'https://depot.dinf.usherbrooke.ca': jodp1301
Password for 'https://jodp1301@depot.dinf.usherbrooke.ca':
remote: Enumerating objects: 6, done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 6 (from 1)
Receiving objects: 100% (6/6), 4.36 KiB | 4.36 MiB/s, done.
[BUR] ~/tmp/
```

3- entrez CIP et mot de passe

```
[BUR] ~/tmp/ ls
total 4.0K
drwx----- 3 jodp1301 domain^users 4.0K Jan 16 11:39 tp1
[BUR] ~/tmp/
```

The screenshot shows a terminal window with the command 'ls' executed. It lists a single directory named 'tp1'. A red circle highlights the word 'tp1' at the end of the line. To the right of the terminal window, the text 'Le repo "tp1" a été copié' is displayed in red.

Façon 1 : https

1- Copiez

terminal

Le problème avec l'approche “https” est que vous devez entrer votre CIP + mot de passe **à chaque “git push” et chaque “git pull”**.

[BUR] ~/tmp/ ls
total 4.0K
drwx----- 3 jodp1301 domain^users 4.0K Jan 16 11:39 tp1
[BUR] ~/tmp/

Le repo "tp1" a été copié

Façon 2 : **SSH** (plus besoin de spécifier notre CIP et mot de passe)

Étape A : se créer une clé publique et privée

- 1a) ouvrez un terminal et allez dans le répertoire
~/.ssh (le créer s'il n'existe pas)



- 1b) tapez la commande
"ssh-keygen -t ed25519"
- 1c) donnez un nom à votre clé (ex: gitlab_udes)
- 1d) tapez deux fois sur "enter"

```
[BUR] ~/ssh/ ssh-keygen -t ed25519
Generating public/private ed25519 key pair.
Enter file in which to save the key (/home/local/USHERBROOKE/jodp1301/.ssh/id_ed25519): gitlab_udes
Enter passphrase (empty for no passphrase): 
Enter same passphrase again: 
Your identification has been saved in gitlab_udes
Your public key has been saved in gitlab_udes.pub
The key fingerprint is:
SHA256:8tgKeZbviWux9Aba2PawC5LDmB3lZcy4yBuJHbBBJ58 jodp1301@dinf-jodoin-04b
The key's randomart image is:
+--[ED25519 256]--+
| o . |
| . + .. |
| o Eo = |
| = + + |
| . B o . S |
| oB+B + |
| @B@=. . . |
| +***oo |
| o**= |
+---[SHA256]---+
[BUR] ~/ssh/
```

```
[BUR] ~/ssh/ ls *lab*
-rw----- 1 jodp1301 domain^users 419 Jan 16 11:53 gitlab_udes          Clé privée
-rw----- 1 jodp1301 domain^users 106 Jan 16 11:53 gitlab_udes.pub      Clé publique
[BUR] ~/ssh/
```

Façon 2 : **SSH** (plus besoin de spécifier CIP et mot de passe)

Étape B : Copier la clé publique sur gitlab

Allez dans votre repo et cliquez sur :

Votre profile / Parameters / ssh keys / add new key

The image consists of two side-by-side screenshots of the GitLab web interface.

Left Screenshot: Shows the main project page for "TP1". At the top right, there is a user icon with a dropdown menu. A red arrow points to this icon. The dropdown menu includes options like "Status", "Edit profile", "Preferences", "New UI", "Provide feedback", "Sign out", and "SSH Keys". Below the menu, there's a table of files in the repository. At the bottom, it says "Created on January 14, 2026".

Right Screenshot: Shows the "User settings / SSH Keys" page. On the left, there's a sidebar with links: "Profile", "Account", "Applications", "Integration accounts", "Personal access tokens", "Emails", "Notifications", "SSH Keys" (which has a red arrow pointing to it), "GPG keys", "Preferences", "Comment templates", "Active sessions", "Authentication log", and "Usage quotas". The main area is titled "SSH Keys" and contains a table with two rows of data. The columns are "Title", "Key", "Usage type", "Created", "Last used", and "Expires". The first row has a title of "pierre-marc.jodoin@usherbrooke.ca" and a key starting with "8:a:c6:8a:88:ec:40:2:e:f8:10:7:bc:69:4:e:23:20:e6". The second row has a title of "PC bureau" and a key starting with "b:e:f:c:e:3:51:69:0:f:7:0:12:aa:9:f:be:45:80:e:f:9". A red arrow points to the "Add new key" button at the bottom right of the table.

Façon 2 : **SSH** (plus besoin de spécifier CIP et mot de passe)

Étape B : Copier la clé publique sur gitlab

Copiez la clé publique du le fichier .pub nouvellement créé dans le répertoire `~/.ssh`

Collez la clé dans “key”

Nommer la clé du nom de votre choix

User settings

SSH Keys

Your SSH keys [2](#)

Add an SSH key

Add an SSH key for secure access to GitLab. [Learn more.](#)

Key

```
ssh-ed25519 AAAAC3NzaC1I2D1NTES5AAAIA6alyrpwJ5Cpnctx7IWStGhJYp5IR5wN1sBFPIzQzQ8
```

Begins with 'ssh-rsa', 'ecdsa-sha2-nistp256', 'ecdsa-sha2-nistp384', 'ecdsa-sha2-nistp521', 'ssh-ed25519', 'sk-ecdsa-sha2-nistp256@openssh.com', or 'sk-ssh-ed25519@openssh.com'.

Title Nom de la clé

Usage type

Expiration date

Optional but recommended. If set, key becomes invalid on the specified date.

User settings

SSH Keys

Your SSH keys [3](#)

Title	Key	Usage type	Created	Last used	Expires
Ordi bureau PMJ	a7:5e:84:1a:74:61:8e:74:e4:d0:8e:97:ef:cd:8a:df	Authentication & Signing	10 seconds ago	Never	2027-01-16
pierre-marc.jodoin@usherbrooke.ca	8a:c6:8a:88:ec:40:2e:f8:10:7f:bc:69:4e:23:20:e6	Authentication & Signing	7 hours ago	7 hours ago	2027-01-16
PC bureau	be:ff:ec:e3:51:69:0f:70:12:aa:9f:be:45:80:e1:e9	Authentication & Signing	Oct 5, 2020	Mar 15, 2021	Never

Façon 2 : **SSH** (plus besoin de spécifier CIP et mot de passe)

Étape C : Copier la clé publique sur gitlab

Retournez dans votre repo et **copiez l'URL SSH**

The screenshot shows a GitLab repository named 'TP1'. In the commit list, the first commit has a red arrow pointing to the 'Clone with SSH' button. The commit message is 'ajout du code base' by Gab-Jean, dated 1 day ago. The 'Clone with SSH' button is highlighted with a red box.

tappez “**git clone [lien https]**” dans un terminal

```
[BUR] ~/tmp/ git clone git@depot.dinf.usherbrooke.ca:dinf/cours/H2026/IFT603-IFT712/tp1/ec
Cloning into 'tp1'...
Authorized uses only. All activity may be monitored and reported.
remote: Enumerating objects: 6, done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 6 (from 1)
Receiving objects: 100% (6/6), 4.36 KiB | 4.36 MiB/s, done.
[BUR] ~/tmp/
```

C'est fait! À partir de maintenant vous pouvez "cloner ssh" tous les repos gitlab que vous désirez sans jamais avoir à spécifier votre CIP et mot de passe