

# NOTES ON GIT

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## 1 CONFIGURATION

### 1.1 Initialization

**Version:** `git --version`.

**Identity:** `git config --global user.name "fredericgalliano"`.

**Address:** `git config --global user.email "xxxxxxxx.xxxxxxxx@cea.fr"`.

### 1.2 Information

**Registered information:** `git config --global --list`.

**In the project directory:** `git remote -v ⇒ list`.

**Project status** `git status`.

### 1.3 SSH key for Gitlab

- `gpg2 --export-ssh-key xxxxxxxx.xxxxxxxx@cea.fr ⇒ print the public key to be copied.`
- On the GitLab page → avatar → settings → SSH key.

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## 2 MANAGING A PROJECT

### 2.1 Creating a New Empty Project

1. `git clone git@gitlab.com:fredericgalliano/<projet>.git ⇒ creates the directory <projet>/.`
2. `cd <projet>.`
3. Create a file `README.md`, e.g. `touch README.md`.

4. `git add README.md.`
5. `git commit -m "add README".`
6. `git push -u origin master.`

## 2.2 Creating a New Project from an Existing Local Directory

1. `cd <projet>.`
2. `git init.`
3. `git remote add origin gitlab.com:fredericgalliano/<projet>.git.`
4. `git add ..`
5. `git commit -m "Initial commit".`
6. `git push -u origin master.`

## 2.3 Update a File to Gitlab

1. `git add <file>.`
2. `git commit -m "add <file>".`
3. `git push -u origin master.`

## 2.4 Update a project from Gitlab

```
git pull origin master
```

## 2.5 Clone a Project

1. `git init ⇒ creates ../.git/.`
2. `git clone git@gitlab.com:gitlab-org/project.git.`

## 2.6 Remove a Project from The Web Interface

Project → Settings → Advanced settings → Remove project

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