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- <https://stackoverflow.com/questions/47465644/github-remote-permission-denied>

Đường dẫn cấu hình git: C:\Users\<name>\.gitconfig

Cấu hình cho window: `git config --list`

`Git config --global user.name "<name>"`

`Git config --global user.email "<email>"`

\_ Dùng đường dẫn cho Notepad++: Environment variables -> Path -> C:\Program Files\Notepad++edit

`Git config --edit --global`

Notepad++

\_ Tạo phiên bản mới notepad (-multiInst), và bảng blank(-nosession)

`Git config core.editor "notepad++ -multiInst -nosession"`

```
# Doesn't actually remove anything, just shows what would be done
$ git clean -n
# Removes Untracked directories and files
$ git clean -df
```

Tạo local git:

1. Create repository: `git init DemoApp`
2. Chuyển thư mục: `cd DemoApp/`
3. Xem tập tin trong folder: `ls -la`
4. Xem trạng thái repository: `git status`
5. Mở notepad tạo file: `Notepad++ README.md` (# syntax của markdown)
6. Thêm file vào repository: `git add README.md` or `git add .` (`git status`)
7. Commit repository: `git commit -m "initial commit"`
8. Điều khiển remote: `git remote -v`
9. `Git remote add origin https://github.com/<name>/<name-repository>`
10. `Git remote -v`
11. `Git push -u origin master`

Tạo SSH giao tiếp với github

<https://help.github.com/en/articles/connecting-to-github-with-ssh>

Adding a new SSH key to your GitHub account (local) -> Setting SSH for github.com -> Testing your SSH connection (local).

```
$ ssh-keygen -t rsa -b 4096 -C "your\_email@example.com"
```

This creates a new ssh key, using the provided email as a label.

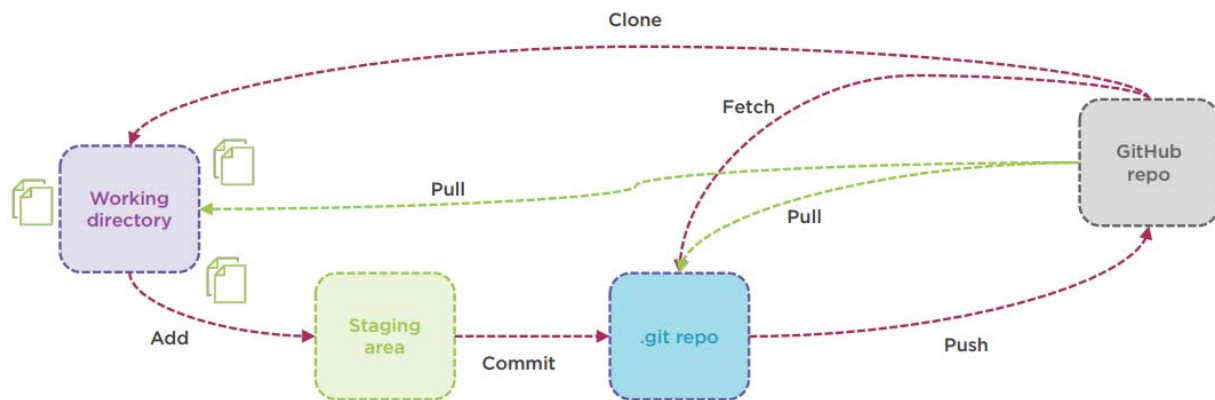
```
> Generating public/private rsa key pair.
```

> Enter a file in which to save the key (/c/Users/you/.ssh/id\_rsa)

After you've set up your SSH key and added it to your GitHub account, you can test your connection.

```
$ ssh -T git@github.com
# Attempts to ssh to GitHub
```

## Using Git Commands with GitHub



Problem 01: "please enter a commit message to explain why this merge is necessary, especially if it merges an updated upstream into a topic branch."

To solve this:

1. press "i"
2. write your merge message
3. press "esc"
4. write ":wq"
5. then press enter

```
$ git pull
```

```
Ex: $ git ls -la
```

```
Problem 02: error: bad index file sha1 signature
fatal: index file corrupt
```

To solve this:

```
rm .git/index
git reset
```

### Repository features:

1. Issue: title, write (markdown)
2. Pull requests:
3. Projects: project board contain các nhiệm vụ, vấn đề, giả sử cho dự án. Bạn có thể quản lý và ưu tiên cho công việc.
4. Wiki: sử dụng cho tài liệu
5. Insights: ai là người đóng góp quan trọng hoặc tích cực nhất: contributors, traffic, commits, code frequency, fork
6. Setting: làm việc với repository

### Bringing in more people:

1. Collaborators: Settings -> Collaborators
2. Contributors

### Summary:

It all evolves around repositories

GitHub is our remote area