

Setting up Git

Installation

On Windows:

1. Download Git for Windows:

- Go to the [Git for Windows download page](#).
- Download the installer.

2. Run the Installer:

- Run the downloaded `.exe` file. You can keep the default settings as it is.

On Linux:

Install Git via Package Manager:

- Open Terminal.
- In Ubuntu: `sudo apt-get install git`

Configure Git

Open

Git Bash by searching for it in the Start menu

1. Setting up username

```
git config --global user.name "NAME"
```

2. Set your email

```
git config --global user.email "email@gmail.com"
```

Setting up SSH Git

1. Generate SSH Key

```
ssh-keygen -t rsa -b 4096 -C "your_email@example.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/aniru/.ssh/id_rsa):
Enter passphrase (empty for no passphrase): [press Enter]
Enter the same passphrase again: [press Enter]
```

2. Start the SSH agent

```
eval "$(ssh-agent -s)"
```

You should see an output indicating that the SSH agent has started, something like this:

```
Agent pid 2000
```

3. Add SSH Key to the SSH Agent:

```
FOR WINDOWS:
cat ~/.ssh/id_rsa.pub | clip
FOR LINUX:
sudo apt-get install xclip
cat ~/.ssh/id_rsa.pub | xclip -selection clipboard
```

4. Adding SSH Key to Git

- Copy the SSH key `cat ~/.ssh/id_rsa.pub | pbcopy`
- Go to GitHub > Settings > SSH and GPG keys > New SSH key.
- Paste the key and give it a title.
- Click Add SSH key.

5. Clone a repo using SSH key

```
git clone git@github.com:github_username/repo_name.git
```