

Retreat-dev Github Repository Access HOW-TO

Version 1.0

Introduction

The resources will be leveraged with Github for the accessibility and control in the central management maner.

It will be easy for those who want to do the development at the local site rather than on the development server.

Setup the repository access

The “github.com” is no longer to support the username/password authentication for signing in the repository. Therefore, the following is to use the SSH public key as the token for all github accesses.

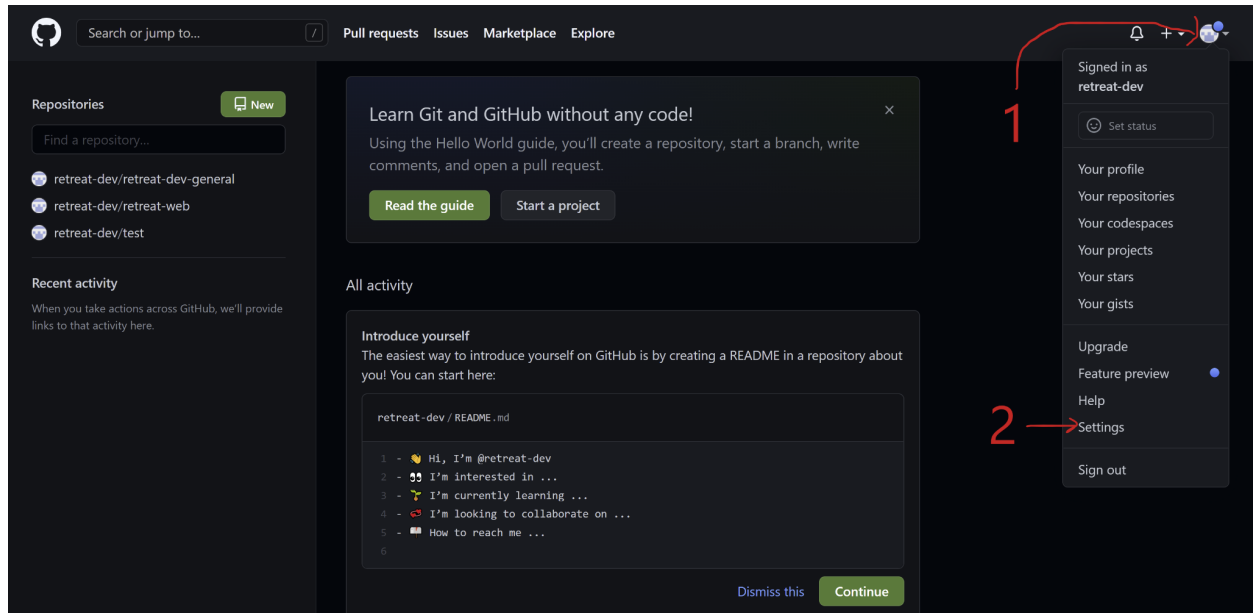
A testing user will be used “tester” on the retreat-dev host. The steps are:

1. To create the user own SSH key pair:

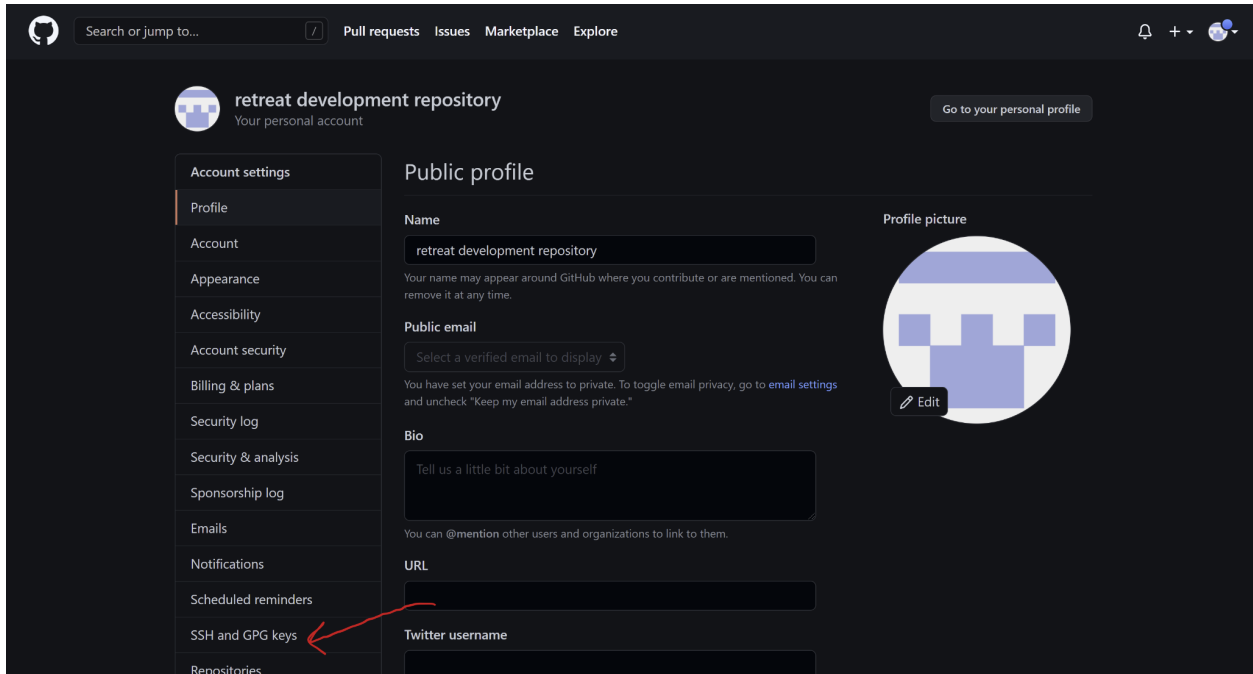
```
[tester@retreat-dev ~]$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/tester/.ssh/id_rsa):
Created directory '/home/tester/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/tester/.ssh/id_rsa.
Your public key has been saved in /home/tester/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:4/vDj5fiNEFzzomaAVc7NLh5wVx6oKp/DRA800dV8rg tester@retreat-dev
The key's randomart image is:
+---[RSA 2048]---+
|      . . =*o+.. |
|      = o+== +   |
|      .+o+*.+.   |
|      .+o..O o    |
|      ..S.o E     |
|      . ..= .     |
|      .  ++o .    |
|      . .o=oo     |
```

```
| ...0+=. |
+----[SHA256]-----+
[tester@retreat-dev ~]$ cd .ssh
[tester@retreat-dev .ssh]$ ls -l
total 12
-rw----- 1 tester tester 1675 Dec  6 14:02 id_rsa
-rw-r--r-- 1 tester tester 400 Dec  6 14:02 id_rsa.pub
[tester@retreat-dev .ssh]$ cat id_rsa.pub ← shows the contents of the public key
```

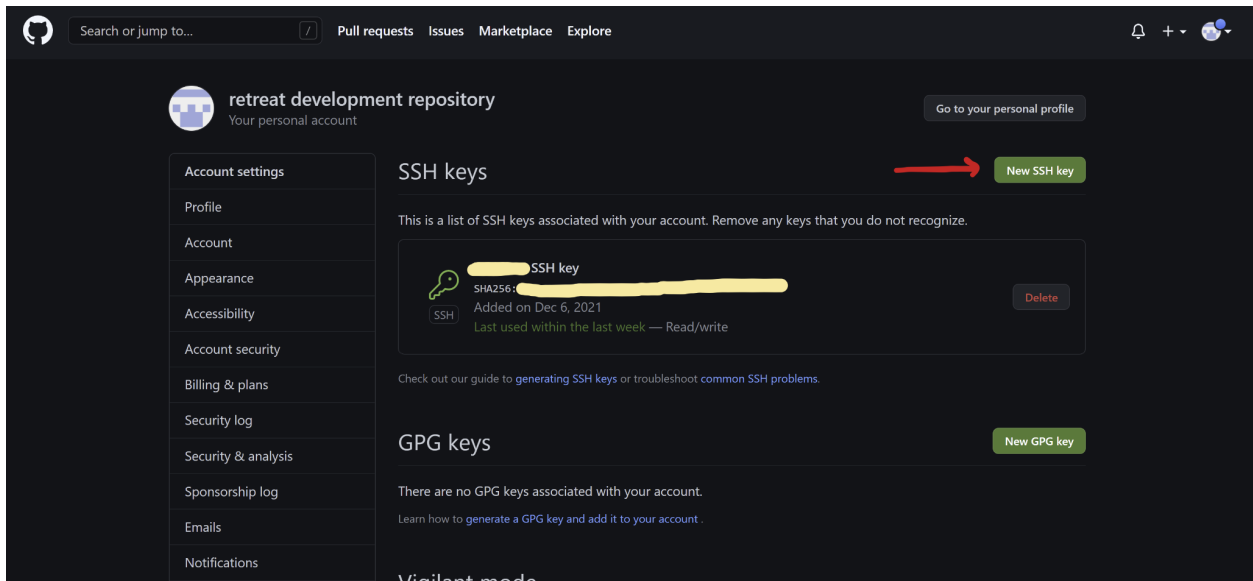
2. Sign in “retreat-dev”, go for setup:



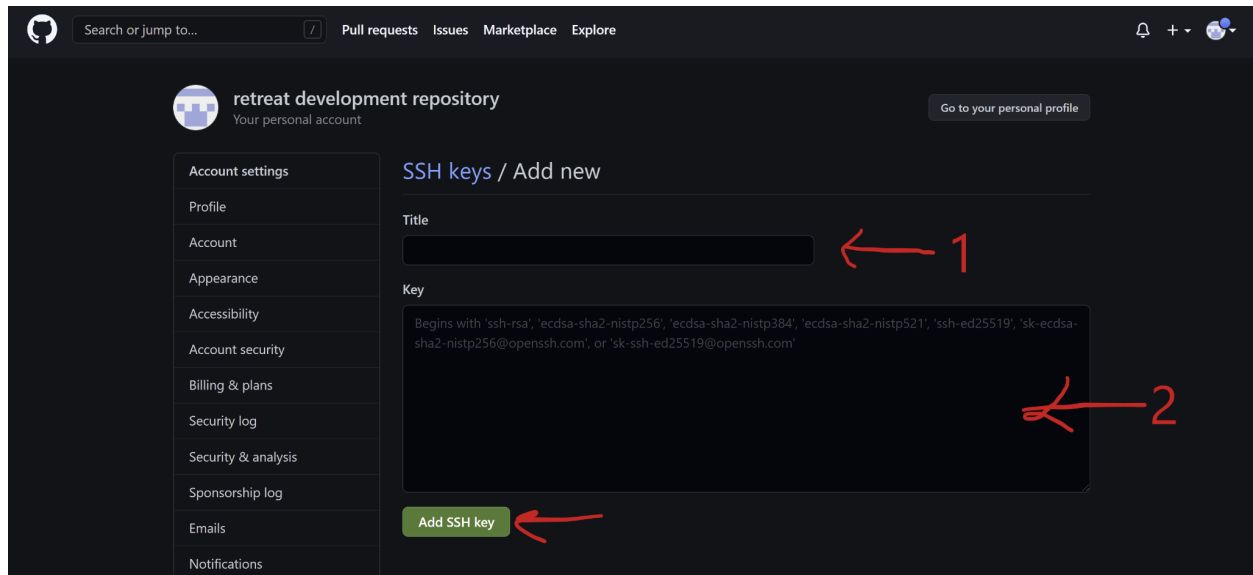
3. Select the “SSH and GPG keys”:



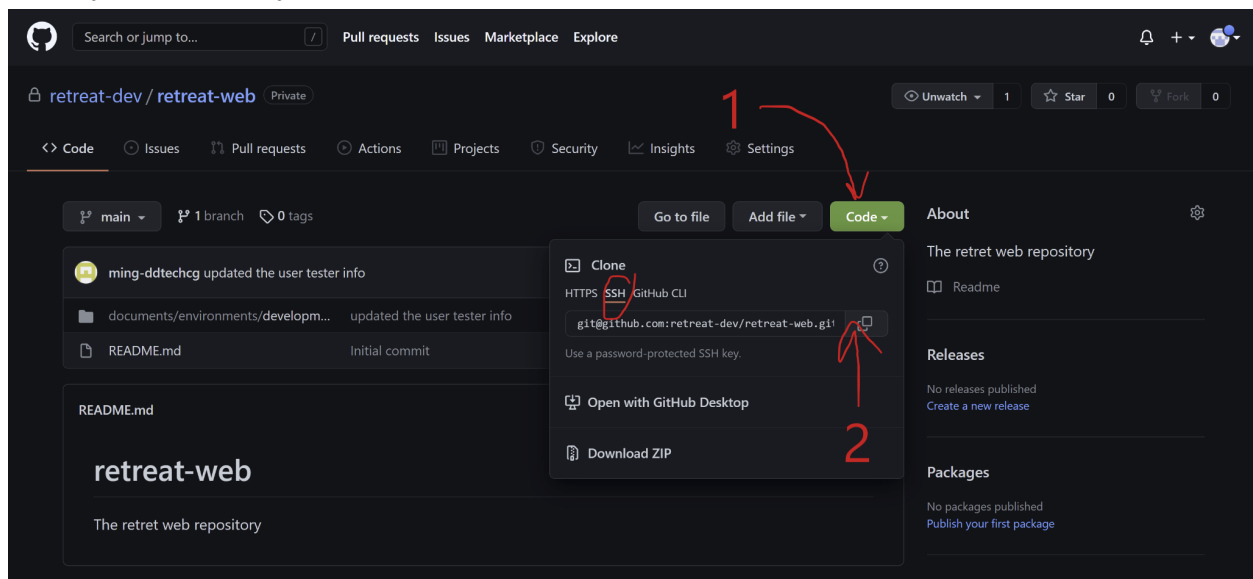
4. Click “New SSH key”:



5. Enter the title for the SSH key for in “1”, and copy and paste the tester’s SSH public key in ‘2’, then click “Add SSH Key” to save:



6. Copy the repository SSH URL:



7. Using the “git clone” with the repository URL to clone the repository down to the local:

```
[tester@retreat-dev ~]$ git clone git@github.com:retreat-dev/retreat-web.git
Cloning into 'retreat-web'...
The authenticity of host 'github.com (140.82.113.3)' can't be established.
ECDSA key fingerprint is SHA256:p2QAMXNIC1TJYWeIOtrVc98/R1BUFWu3/LiyKgUfQM.
ECDSA key fingerprint is MD5:7b:99:81:1e:4c:91:a5:0d:5a:2e:2e:80:13:3f:24:ca.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'github.com,140.82.113.3' (ECDSA) to the list of known hosts.
remote: Enumerating objects: 27, done.
```

```
remote: Counting objects: 100% (27/27), done.  
remote: Compressing objects: 100% (11/11), done.  
remote: Total 27 (delta 3), reused 23 (delta 2), pack-reused 0  
Receiving objects: 100% (27/27), done.  
Resolving deltas: 100% (3/3), done.  
[tester@retreat-dev ~]$
```