

0. Mac Users, open your [terminal](#), for pc users, open your Ubuntu (linux) app.

1. Generate an ssh key following the steps bellow:

a. Start in the home directory

```
(base) royberts@LAPTOP-M413UJK4:~$ cd ~  
(base) royberts@LAPTOP-M413UJK4:~$
```

b. Use the command: ssh-keygen -t rsa

```
(base) royberts@LAPTOP-M413UJK4:~$ ssh-keygen -t rsa
```

c. You do not need to enter a file in which to save the key or a passphrase for the key just enter or return past them.

```
(base) royberts@LAPTOP-M413UJK4:~$ ssh-keygen -t rsa  
Generating public/private rsa key pair.  
Enter file in which to save the key (/home/royberts/.ssh/id_rsa):  
/home/royberts/.ssh/id_rsa already exists.  
Overwrite (y/n)? y  
Enter passphrase (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in /home/royberts/.ssh/id_rsa.  
Your public key has been saved in /home/royberts/.ssh/id_rsa.pub.  
The key fingerprint is:  
SHA256:omtvu1TTDZDQXhGv5NTEvqwKujuyo2zvt77pYl3uo0 royberts@LAPTOP-M413UJK4  
The key's randomart image is:  
+---[RSA 2048]---+  
| .o..o+.  
| o..+.  
| .+.o  
| .=.+.  
| .S+...  
| .o.o  
| . . . .  
|o.= o+O. .  
|O@+B*EB=..  
+----[SHA256]-----+
```

2. Copy the value of the public SSH key to the clipboard by doing the following:

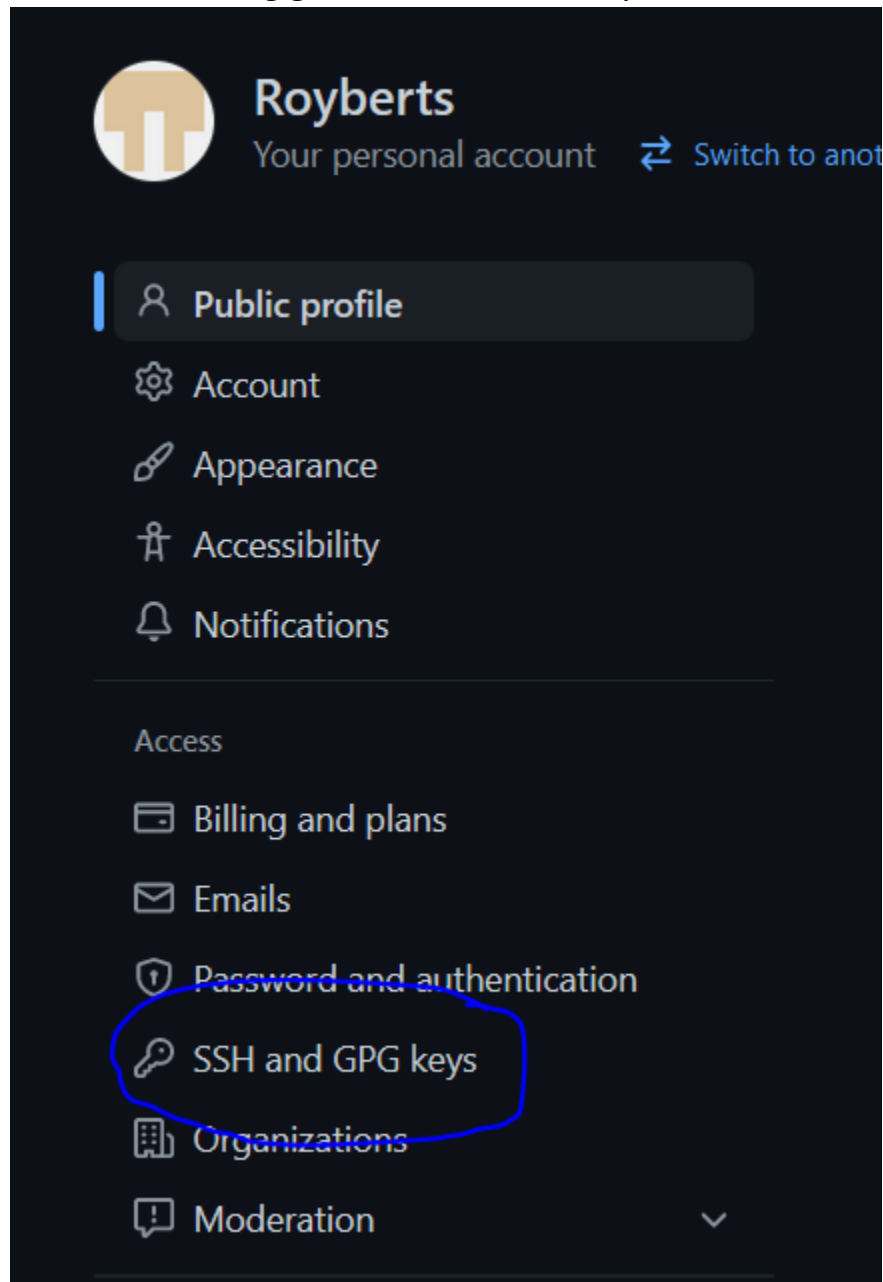
a. cat ~/.ssh/id_rsa.pub

```
(base) royberts@LAPTOP-M413UJK4:~$ cat ~/.ssh/id_rsa.pub  
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQDSHDW9SEg3V5eC7MNxKMME/AJGH40NW8Fh42Qj+NVAovE20  
uG6v1bx96UGIhQ4DUnZrYkd71vJy8H0160SWjOXnMBRut1NtqR0qVUrXuq1OD1CyC1ZmUF/JG08Z/VC3hS8qD  
2X/MF3AxmR5HQAHuuni+FbYvAkGiGRACzdC8xspgqCMcodI/7XYjsOVNuWBKXDuw2u3ktu1ONMar8E7ZmScQa  
S15DeZdit4oqkUn4hEYmsfw72DBFSZWOSH+SNaBc+32/Bp1ZIz2BG8Mq461jWNBjH6g0MdSw1fINnzCxx1iUu  
mMfWhD6PIykMkH0MH1/C/z/psu/W+fdrIJldwGMf royberts@LAPTOP-M413UJK4
```

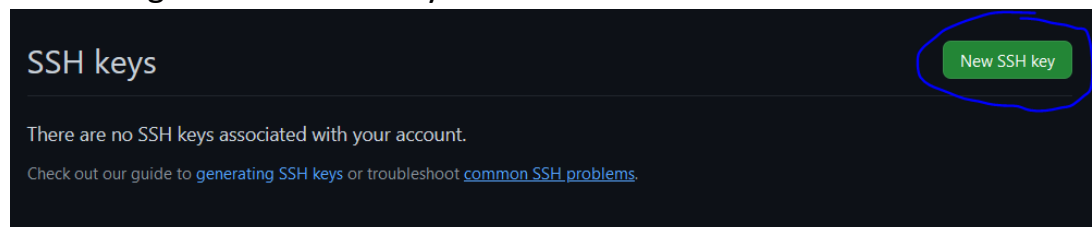
b. highlight and copy

```
(base) royberts@LAPTOP-M413UJK4:~$ cat ~/.ssh/id_rsa.pub  
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQDSHDW9SEg3V5eC7MNxKMME/AJGH40NW8Fh42Qj+NVAovE20  
uG6v1bx96UGIhQ4DUnZrYkd71vJy8H0160SWjOXnMBRut1NtqR0qVUrXuq1OD1CyC1ZmUF/JG08Z/VC3hS8qD  
2X/MF3AxmR5HQAHuuni+FbYvAkGiGRACzdC8xspgqCMcodI/7XYjsOVNuWBKXDuw2u3ktu1ONMar8E7ZmScQa  
S15DeZdit4oqkUn4hEYmsfw72DBFSZWOSH+SNaBc+32/Bp1ZIz2BG8Mq461jWNBjH6g0MdSw1fINnzCxx1iUu  
mMfWhD6PIykMkH0MH1/C/z/psu/W+fdrIJldwGMf royberts@LAPTOP-M413UJK4
```

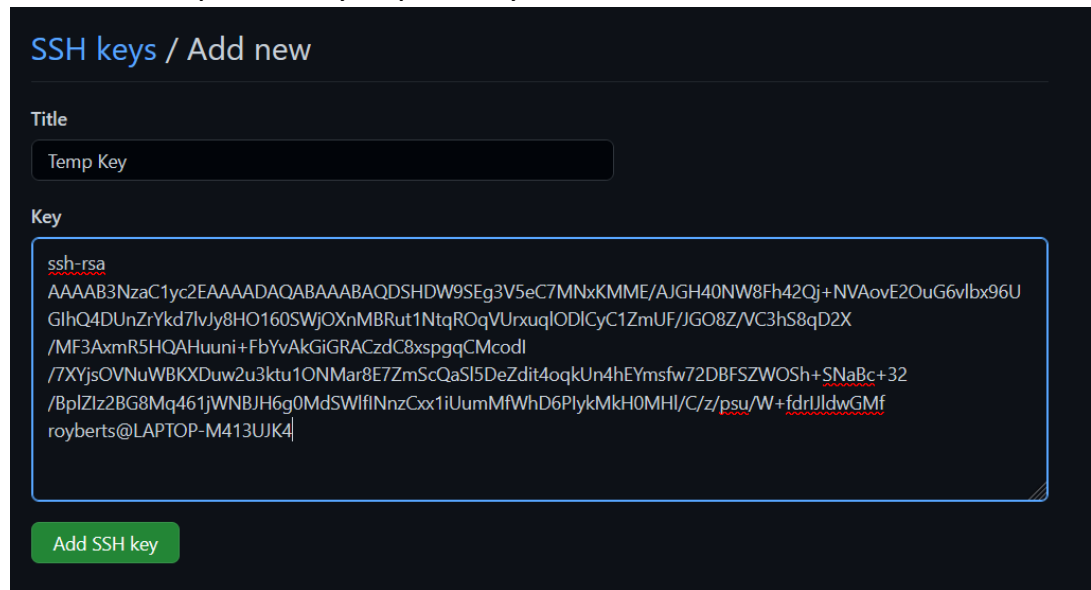
3. Add SSH key to github
 - a. Open and log into github
 - b. In account setting go to SSH and GPG Keys



- c. Click the green New SSH Key button



d. Paste in the previously copied key



SSH keys / Add new

Title

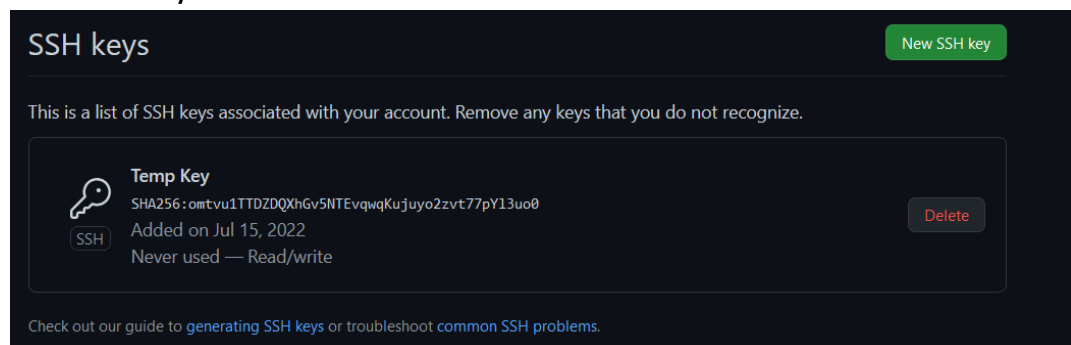
Temp Key

Key

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQDSHDW9SEg3V5eC7MNxKMME/AJGH40NW8Fh42Qj+NVAovE2OuG6vIbx96U
GihQ4DUUnZrYkd7lvJy8HO160SWjOXnMBRut1NtqROqVUrxuqIODICyC1ZmUF/JGO8Z/VC3hS8qD2X
/MF3AxmR5HQAHuuni+FbYvAkGiGRACzdC8xspgqCMcodl
/7XYjsOVNuWBKXDuw2u3ktu1ONMar8E7ZmScQaSl5DeZdit4oqkUn4hEYmsfw72DBFSZWOSH+SNABc+32
/BpIZlz2BG8Mq461jWNBjH6g0MdSWlflNnzCxx1iUumMfWHD6PlykMkH0MHL/C/z/psu/W+fdrJldwGMf
royberts@LAPTOP-M413UJK4
```

Add SSH key


e. Add the key



SSH keys

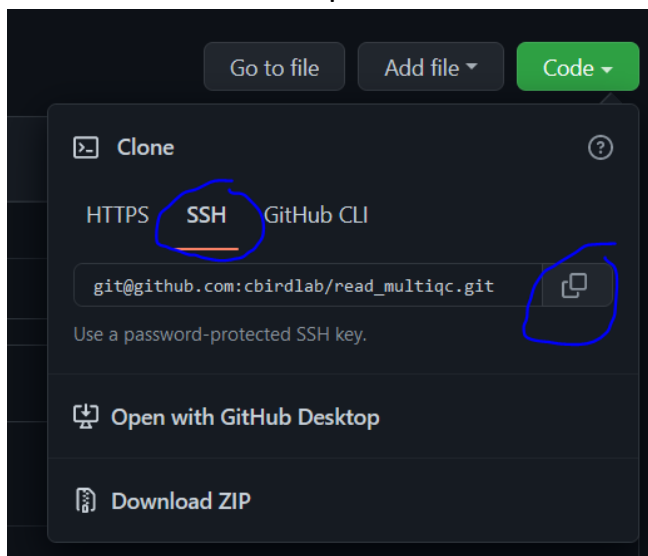
New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

	Temp Key SHA256:omtvu1TTDZDQXhGv5NTEvqwqKujuyo2zvt77pY13uo0 Added on Jul 15, 2022 Never used — Read/write	Delete
---	---	--------

Check out our guide to [generating SSH keys](#) or [troubleshoot common SSH problems](#).

4. For the SSH key to work, when cloning a repo you must clone the SSH repo and not the HTTPS repo.



Go to file Add file Code

Clone

HTTPS **SSH** GitHub CLI

git@github.com:cbirdlab/read_multiqc.git

Use a password-protected SSH key.

Open with GitHub Desktop

Download ZIP

5. If a “no such identity” error occurs check and make sure that the config is set up correct.

```
(base) royberts@LAPTOP-M413UJK4:~$ ls .ssh  
config id_rsa id_rsa.pub known_hosts known_hosts.old
```

- a. Make sure that the following line is included: IdentityFile
~/.ssh/id_rsa

```
ForwardX11 yes  
IdentityFile ~/.ssh/id_rsa  
.ssh/config (END)
```