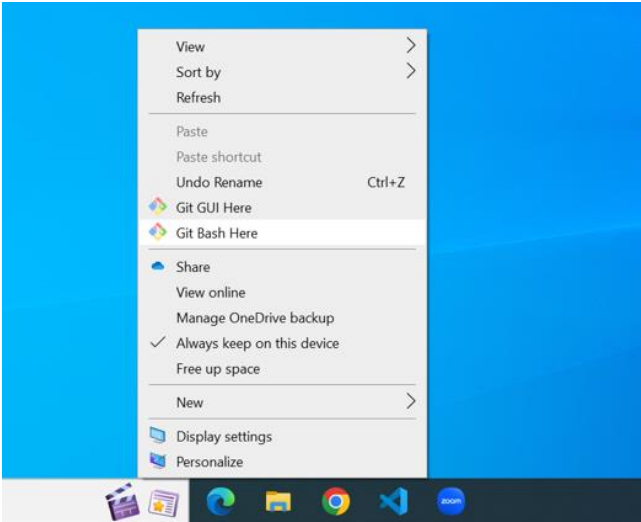# SSH Connection Hands On

By Divino Viado Batch WD37
Date: Dec 07, 2022

There are several ways to open the git bash application, one of which is to right click on the desktop and select git bash.

By using cd ~/ command the git bash is directed in root.

by using pwd command git bash tell us where our file folder is.

Now it's time to generate key-gen.

The file generated by git bash keygen is always 2 or pair. the public key and the private key.

📄 id_rsa	12/7/2022 12:04 PM	File	
📘 id_rsa	12/7/2022 12:04 PM	Microsoft Publisher ...	

The file id_rsa.pub can be opened through vs code or text editor.
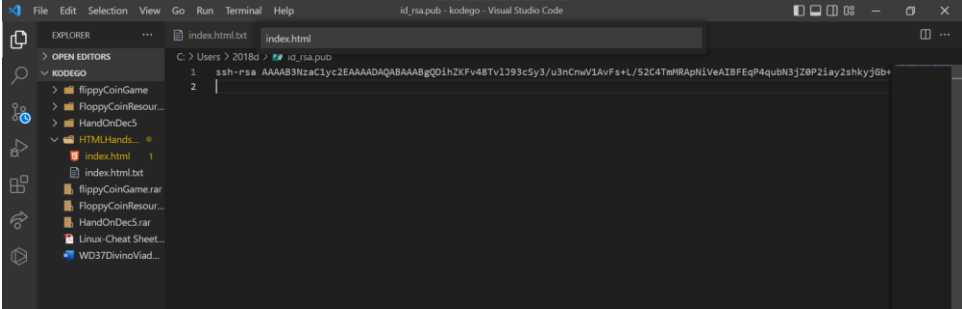
The public code will be used for github. Go to your GitHub account Settings click SSH and GPG keys and paste the code in new ssh key button.

Title

```
publickey
```

Key type

```
Authentication Key ▼
```

Key

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAABgQDihZKFv48TvlJ93cSy3/u3nCnwV1AvFs+L/52C4TmMRApNiVeAIBFEqP4qubN3jZ
0P2iay2shkyjGb+nKkCXIBxuA8639SZtjv1t8NWzwCVc9WaK2OX5ZRFP/eNJ9pZzBgEfGUGO922GUKzklV8flLpvIVki7JKHdKG
g2fH+v1l0EpuB2o4St1Y0Ft4lijYP86H3oAcbjlKHEMOTLy35W4Tql6RvOWhTBlurMRk6xNm+tOrGMntukNVmMrvsODvy1rK
shJLz69AHdxgiNFC59ycmokNQT3V9CvSPOaV/rTXOQcsAJEBJbe7gigrK+a95XetENPeBiEluHJZU3t2NxIt5+cXpzEqoH0eQV
DjCnVhbKIrKuRRd0jsPbcnPNpBxPvupdCHA4rWul5zVGgsxEiVuX2CEh6vD+f3BGfggi3Dun58eT3sd2xSsRe/iDr6sUL9+egA
MbdbWBliq5H7f8n6KabLl5ccjwV7ZtVZ4QM/6XJnEJDwlBnorKQMaOm2yM= 2018d@Personal
```

Add SSH 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.

Signing keys

🔑 **publickey**
SHA256:1CuLQvbmvnCjj8P8UaQri7xH66At8tWOVABt9vaBjE8
SSH   Added on Dec 7, 2022
Signing

Delete

Check out our guide to generating SSH keys or troubleshoot common SSH problems.

GPG keys

New GPG key

There are no GPG keys associated with your account.

Learn how to generate a GPG key and add it to your account.

Create new repositories by clicking the create new repository button.

Repositories

🖥 **Repositories**   🗑 Deleted repositories

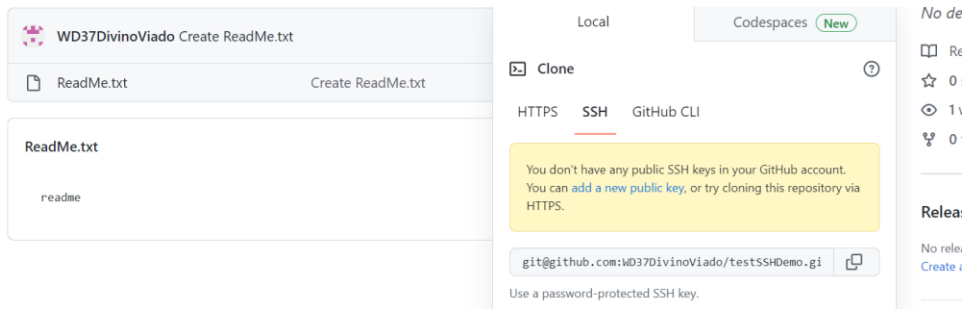**alfrenJames**

🖥 alfrenJames/WD37FullStack 11.5 MB   **Leave**

WD37DivinoViado

🖥 WD37DivinoViado/testSSHDemo 0 Bytes   👥 0 collaborators

Open your newly created repo, click the code button copy the SSH code and go to git bash terminal.

Enable SSH connection by using "eval `ssh-agent`" command.

```
2018d@Personal MINGW64 ~ (master)
$ eval 'ssh-agent'
SSH_AUTH_SOCK=/tmp/ssh-sHhxwAE4LUv5/agent.1927; export SSH_AUTH_SOCK;
SSH_AGENT_PID=1928; export SSH_AGENT_PID;
echo Agent pid 1928;

2018d@Personal MINGW64 ~ (master)
$ |
```

In this step I got an Error message "Could not open a connection to your authentication agent"

```
2018d@Personal MINGW64 ~ (master)
$ ssh-add ~/id_rsa
Could not open a connection to your authentication agent.

2018d@Personal MINGW64 ~ (master)
$ |
```
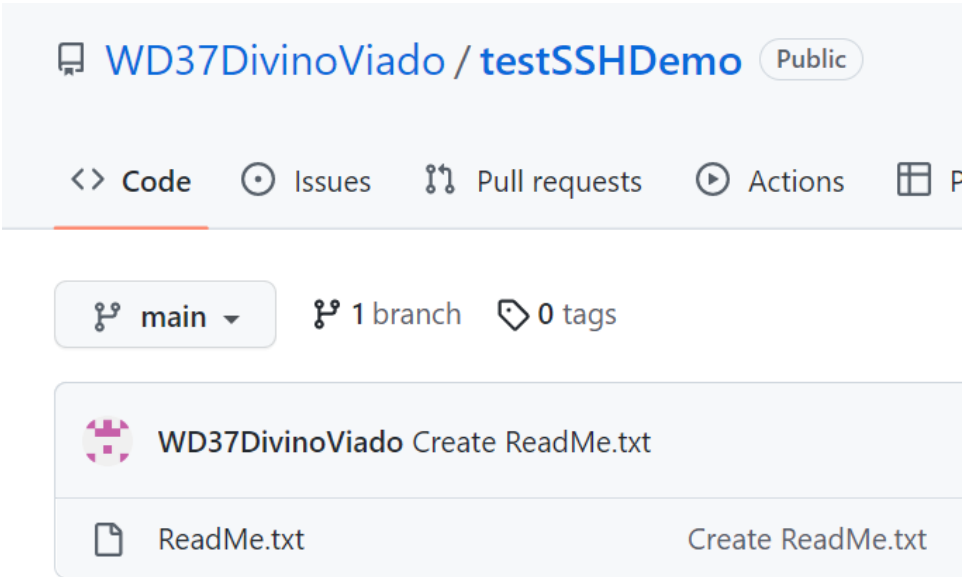
Without putting in the code of ssh-add ~/id_rsa I got the same result. To clone the repo in github.

```
2018d@Personal MINGW64 ~ (master)
$ git clone git@github.com:WD37DivinoViado/testSSHDemo.git
Cloning into 'testSSHDemo'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

2018d@Personal MINGW64 ~ (master)
$
```

The file in Githhub

🖵 WD37DivinoViado / testSSHDemo Public

<> Code   ⊙ Issues   ⅄⅄ Pull requests   ▶ Actions   ⊞ P

⅄ main ▾   ⅄ 1 branch   🏷 0 tags

WD37DivinoViado Create ReadMe.txt

📄 ReadMe.txt   Create ReadMe.txt

The file we got in Git hub using git bash and ssh public key.

📁 testSSHDemo   12/7/2022 6:14 PM   File folder