GitGuardian [8 easy steps to set up multiple git accounts — 2021]

01 GENERATE A SSH KEY

-t is the algorithm, ED25519 is recommended for security and performance
-C is for adding your associated email as a comment
-f is to define a filename, helping you remember which key is used for which user/remote.

```
ssh-keygen \
-t ed25519 \
-C "your_personal_email@example.com" \
-f ~/.ssh/<personal_key>
```

02 ADD A PASSPHRASE

Add an extra layer of security: if someone gains access to your computer, your keys will be compromised unless they are attached to a passphrase.

```
ssh-keygen -p -f ~/.ssh/<personal_key>
```

To update the passphrase for your SSH key at any time

03 ADD YOUR KEY TO SSH-AGENT

Make sure the ssh-agent is running, and add your key (the -K option is to store the passphrase in your keychain, macOS only).

```
eval "$(ssh-agent -s)" && \
ssh-add -K ~/.ssh/<personal_key>
```

04 CREATE A SSH CONFIG

Host is set to * for every key because we will use Git **configs to** select the appropriate SSH key based on profiles, which will give us a bit more flexibility .

```
# ~/.ssh/config

Host *
  AddKeysToAgent yes
  UseKeychain yes
  IdentityFile ~/.ssh/<created_key>
```

05 COPY IT TO YOUR VCS

Copy your key to your clipboard and then paste it in GitHub, GitLab or BitBucket

macOS
```
tr -d '\n' < ~/.ssh/<created_key>.pub | pbcopy
```

Linux
```
xclip -sel clip < ~/.ssh/<created_key>.pub
```

Windows
```
cat ~/.ssh/<created_key>.pub | clip
```

06 SET UP YOUR WORKSPACE

Create specifics .gitconfigs for each account/ directory.

```
/myhome/
      |__.gitconfig
      |__work/
         |__.gitconfig.work
      |__personal/
         |__.gitconfig.pers
```

07 SET UP YOUR GIT CONFIGS

Tell Git which key to use with the SSH command (**-i** option to specify an identity file/key).

```
# ~/personal/.gitconfig.pers

[user]
email = your_pers_email@example.com
name = Your Name

[github]
user = “mynickname”

[core]
sshCommand = “ssh -i ~/.ssh/<personal_key>”
```

```
# ~/work/.gitconfig.work

[user]
email = your_pro_email@google.com
name = Your Name

[github]
user = “pro_name”

[core]
sshCommand = “ssh -i ~/.ssh/<professional_key>”
```

```
# ~/.gitconfig

[includeIf “gitdir:~/personal/”] # include for all .git projects under personnal/
path = ~/personal/.gitconfig.pers

[includeIf “gitdir:~/work/”]
path = ~/work/.gitconfig.work

[core]
excludesfile = ~/.gitignore      # valid everywhere
```

To see a list of **all config the options**

To check your **activated config options**

```
man git-config

git config --list
```

08 REPEAT FROM 1 FOR EVERY REQUIRED ACCOUNT

YOU ARE DONE! YOU CAN NOW CHOOSE TO

clone your repo
```
git clone git@<repository.domain.com>:<username>/<repo_name>.git
```

add your remote
```
git remote add origin git@<repository.domain.com>:<username>/<repo_name>.git
```

or change it
```
git remote set-url origin git@<repository.domain.com>:<username>/<repo_name>.git
```