

SSH Key Creation Steps

1. Navigate to your SSH directory with this command: `cd ~/.ssh`
2. Run Command: `ls`
 - a. If `id_rsa` keys are found **ask your instructor for assistance**
 - b. If no `id_rsa` keys are found run the command shown below:
 - i. **Be sure to replace “`personal@mail.com`” with your email address used for your GitHub account**
 1. `ssh-keygen -t rsa -C "personal@mail.com" -f ~/.ssh/id_rsa`
 - c. **IMPORTANT: You will be prompted to enter a passphrase.**
 - i. **IF you enter a passphrase you will have to enter it EVERY time you push to github.**
 - ii. **I recommend skipping the passphrase**
 - d. **To skip the passphrase - click [Enter] twice**
3. You should now see a key random art image
4. Run Command: `ls`
 - a. You should see TWO files have been created:
 - i. `id_rsa`
 - ii. `id_rsa.pub`
5. Run the following command to see if the ssh agent is running.
 - a. `eval "$(ssh-agent -s)"`
6. **If the agent is not running refer to the Pre Work in Canvas where you will be instructed to update your ssh config file (see screenshot below)**

- Optional: If you're using macOS Sierra 10.12.2 or later, you need to modify your `~/.ssh/config` file to the following:

```
Host *
  AddKeysToAgent yes
  UseKeychain yes
  IdentityFile ~/.ssh/id_rsa
```

7. Add our generated ssh key to the SSH agent. Run this command:
 - a. `ssh-add ~/.ssh/id_rsa`
8. Copy your SSH Key to your clipboard
 - a. **Windows Users** - use this to copy our SSH key
 - i. `clip < ~/.ssh/id_rsa.pub`
 - b. **Mac Users** - use this to copy your SSH key
 - i. `pbcopy < ~/.ssh/id_rsa.pub`
9. Navigate to your GitHub repository in your browser
10. From the GitHub dashboard navigate to:
 - a. **Profile -> Settings -> SSH & GPG Keys** and click the **[New SSH Key]** button
11. Paste the SSH key we saved to the clipboard into the **Key** textarea
12. Give the key a title
13. Click the **Add SSH Key** button
14. You may be prompted to provide a password. This will be your GitHub password