

Creating SSH Key

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Checking for SSH Key

1. Enter `ls -al ~/.ssh` to see if any keys are already present:
 - `id_rsa.pub`
 - `id_ecdsa.pub`
 - `id_ed25519.pub`
2. If none are present, generate a new key

Generating SSH Key

1. Enter `ssh-keygen -t ed25519 -C "your_email@example.com"`
2. Press enter to save key in default file location when asked where to save
3. Enter passphrase/ password

Adding SSH-Agent

1. Start agent:
 - `eval "$(ssh-agent -s)"`
 - ".ssh/config file will need to be modified:
 - `open ~/.ssh/config` to open config file
 - If it doesn't exist: `touch ~/.ssh/config`
 - Open the file and add:

```
Host github.com
AddKeysToAgent yes
UseKeyChain yes
IdentityFile ~/.ssh/id_ed25519
`` (IgnoreUnknown UseKeychain)
```

Add key to GitHub

1. Copy key: `pbcopy < ~/.ssh/id_ed25519.pub`
2. Go to GitHub and under settings, click "**Access**" and go to **SSH and GPG Keys**
3. Click "**New SSH Key**" or "**Add SSH Key**"
4. Enter title
5. Select **Authentication Keys**
6. Paste copied key in **Key field**
7. Add Key