

# Generating a new SSH key and adding it to the ssh-agent!

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This HowTo teaches you how to Generating a new SSH key and adding it to the ssh-agent.

Write Access is *\*ONLY\** with "SSH Key-Based Authentication" Allowed



Using the SSH protocol, you can connect and authenticate to remote servers and services. With SSH keys, you can connect to Swarmlab.io git Service without supplying your username or password at each visit.

## 1. Generating a new SSH key

- Open Terminal.

```
ssh-keygen -t rsa -b 4096 -C "your_email@swarmlab.io"
```

- This creates a new ssh key, using the provided email as a label.

When you're prompted to "Enter a file in which to save the key," press Enter. This accepts the default file location.



```
> Enter a file in which to save the key (/home/you/.ssh/id_rsa):  
[Press enter]
```

At the prompt, type a secure passphrase. For more information, see "Working with SSH key passphrases".

```
> Enter passphrase (empty for no passphrase): [Type a passphrase]  
> Enter same passphrase again: [Type passphrase again]
```

## 2. Adding your SSH key to the ssh-agent

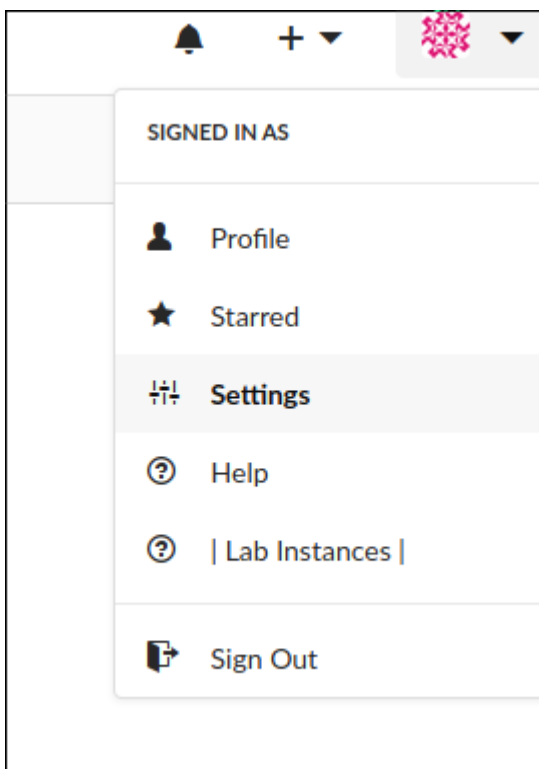
```
vim /home/user/.ssh/config
```

```
Host git.swarmlab.io
  HostName git.swarmlab.io
  Preferredauthentications publickey
  IdentityFile /home/user/.ssh/file_ssh_key ①
  User git
  Port 2222
```

① key path

## 3. Adding a new SSH key to your Swarmlab.io account

- Copy the SSH key to your clipboard.
- In the upper-right corner of "Git Service", click Settings.



- In the user settings menu, click "SSH/GPG keys".

Manage SSH Keys

Add Key

These public SSH keys are associated with your account. The corresponding private keys allow full access to your repositories.

**Need help?** Have a look at GitHub's guide to [create your own SSH keys](#) or solve [common problems](#) you may encounter using SSH.

Manage GPG Keys

Add Key

These public GPG keys are associated with your account. Keep your private keys safe as they allow commits to be verified.

**Need help?** Have a look at GitHub's guide [about GPG](#).

- Paste your key into the "Content" field.