

## 1- Connecting using password

```
aalaaseif@aalaaseif:~$ ssh ansible@172.17.0.2
ansible@172.17.0.2's password:
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 6.2.0-31-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

This system has been minimized by removing packages and content that are
not required on a system that users do not log into.

To restore this content, you can run the 'unminimize' command.
Last login: Thu Sep 14 19:40:08 2023 from 172.17.0.1
ansible@f479b4df0e51:~$
```

## 2- Generating ssh key pair

```
ansible@f479b4df0e51:~$ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/ansible/.ssh/id_rsa):
Created directory '/home/ansible/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/ansible/.ssh/id_rsa
Your public key has been saved in /home/ansible/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:rqrhZts0j44AdIi1DMWKhsSj7E4H+7kyyENDi5Vf074 ansible@f479b4df0e51
The key's randomart image is:
+---[RSA 3072]-----+
|ooo                  |
|.Bo.                 |
|B++.  .              |
|*+.  +  .            |
|+ + + o S .          |
|. = + . o o          |
|B = .  o .           |
|oOoO  . .            |
|. +X=*.. E.          |
+----[SHA256]-----+
```

### 3- Copying to my container

```
aalaaseif@aalaaseif:~/.ssh$ ssh-copy-id -i id_ed25519 ansible@172.17.0.2
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "id_ed25519.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter
out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are promp
ed now it is to install the new keys
ansible@172.17.0.2's password:
```

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'ansible@172.17.0.2'"  
and check to make sure that only the key(s) you wanted were added.

```
aalaaseif@aalaaseif:~/.ssh$
```

```
aalaaseif@aalaaseif:~$ ssh ansible@172.17.0.2
ansible@172.17.0.2's password:
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Last login: Thu Sep 14 19:40:08 2023 from 172.17.0.1
ansible@f479b4df0e51:~$ ls
ansible@f479b4df0e51:~$ ls -a
.  .. .bash_history .bash_logout .bashrc .cache .profile .ssh
ansible@f479b4df0e51:~$ cd .ssh
ansible@f479b4df0e51:~/.ssh$ ls
authorized_keys id_rsa id_rsa.pub
ansible@f479b4df0e51:~/.ssh$ cat authorized_keys
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIEojHYJdAR5rSroZAYFtKnRHI/KiMtziW79FoICPZWcc alaa.seif3112@gmail.com
ansible@f479b4df0e51:~/.ssh$
```