

Staging server - Setting up SSH

All commands should be ran from the staging server's VirtualBox VM unless noted otherwise.

Open a terminal in xubuntu and create a new SSH keypair

```
ssh-keygen -t rsa -b 4096  
<Hit enter to save it to the default location>  
<Enter in your passphrase>  
<Verify your passphrase>
```

In the xubuntu terminal investigate your public SSH key

```
cat ~/.ssh/id_rsa.pub
```

In the xubuntu terminal add the newly created SSH keypair to the SSH agent

```
ssh-add
```

In the xubuntu terminal create an SSH folder remotely onto the staging server

```
ssh you@192.168.1.99 mkdir .ssh  
<Replace you with your username, or omit this if it's the same>  
<Replace 192.168.1.99 with your server's IP if it is different>  
<Enter in the password for that user, not root's password>  
<Type yes to continue connecting, since this is the first time>
```

In the xubuntu terminal make sure you're in the ~/.ssh directory

```
cd ~/.ssh
```

In the xubuntu terminal transfer your public key to the staging server

```
cat id_rsa.pub | ssh you@192.168.1.99 'cat >> .ssh/authorized_keys'  
<Replace you with your username, or omit this if it's the same>  
<Replace 192.168.1.99 with your server's IP if it is different>  
<Enter in the password for that user>
```

In the xubuntu terminal fix the permissions on the ~/.ssh directory's contents

```
ssh you@192.168.1.99 'chmod 700 .ssh; chmod 640 .ssh/authorized_keys'  
<Replace you with your username, or omit this if it's the same>  
<Replace 192.168.1.99 with your server's IP if it is different>
```

In the xubuntu terminal verify you can SSH into the staging server without a password

```
ssh you@192.168.1.99  
<Replace you with your username, or omit this if it's the same>  
<Replace 192.168.1.99 with your server's IP if it is different>
```

Verify that your public SSH key is in the authorized_keys file on the staging server

```
cat ~/.ssh/authorized_keys
```

Edit the SSH config file to disable being able to even login with a password

```
sudo nano /etc/ssh/sshd_config
```

[watch the video to see what you need to edit]

Restart the SSH service

```
sudo systemctl restart ssh
```