Password-less Authentication:

Before ssh, set up your hosts file located at /etc/hosts on all the machines

Comment out the first two lines and add below

Ip addresses Pc names Role of the pc's

Of all the machines in your cluster.

Each file with look something similar to this

#127.0.0.1 localhost

#127.0.1.1 ucp-OptiPlex-7020

172.28.8.143 ucp-OptiPlex-7020 slave1

172.28.8.144 ucp-OptiPlex-7020 slave2

172.28.8.169 ucp-OptiPlex-7020 master localhost

Also the localhost will be changed to match the IP address of the pc you are currently on. This example is of the *hosts* file of master which is why localhost is written in front of it .

Now you are to set up password less SSH authentication.

First install openssh-server on all 3 machines and make sure it is running

\$ sudo apt install openssh-server

Check its status by using the command

\$ systemctl status ssh

If it is not running start it also make sure to enable it so that it starts automatically. This you will have to look into yourself

Create keys on all boxes by using command:

\$ ssh-keygen

Copy key with command:

\$ ssh-copy-id -i user@ipaddress

Add key of master to itself with (run this on master pc)

\$ ssh-add