SSH connection between Two servers documented by Praveen

Server 1 kpk and security group test1

Server 2 Praveen security group test2

Login into server 2(praveen)

Adduser "name"

Follow screenshot

```
ubuntu@ip-172-31-28-92:~$ sudo -i
root@ip-172-31-28-92:~# adduser india
Adding user `india' ...
Adding new group `india' (1002) ...
Adding new user `india' (1002) with group `india' ...
Creating home directory `/home/india' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for india
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
root@ip-172-31-28-92:~#
```

Add user in visudor file

```
root@ip-172-31-28-92:~# export EDITOR=vim
root@ip-172-31-28-92:~# visudo

# User privilege specification
root    ALL=(ALL:ALL) ALL
kumar ALL=(ALL:ALL) NOPASSWD: ALL
india   ALL=(ALL:ALL) NOPASSWD: ALL
```

Change passwordauthentication in sshd config file

```
root@ip-172-31-28-92:~# vi /etc/ssh/sshd_config

# Change to no to disable tunnelled clear text passwords
PasswordAuthentication yes
```

Sshd service restart

```
root@ip-172-31-28-92:~# service sshd restart
```

Login into server 1(kpk)

Ssh keygen steps

```
ubuntu@ip-172-31-20-99:~$ sudo -i
root@ip-172-31-20-99:~# ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
/root/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa.
Your public key has been saved in /root/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:fN0uSjVfMqr9uzFReax3LZaUfbofQE26M1Gsn3AsteU root@ip-172-31-20-99
The key's randomart image is:
+---[RSA 2048]----+
|              .o |
|              =*o|
|            +*+O|
|      .    ..*oOE|
|       S . +=/ *|
|        . . *+@.|
|         . o *. |
|         . + . +.|
|          o ..+o.|
+----[SHA256]-----+
root@ip-172-31-20-99:~#
```

```
root@ip-172-31-20-99:~# ssh-copy-id india@172.31.28.92
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/root/.ssh/id_rsa.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 prompted now it is to install the new keys
india@172.31.28.92's password:

Number of key(s) added: 1

Now try logging into the machine, with:   "ssh 'india@172.31.28.92'"
and check to make sure that only the key(s) you wanted were added.

root@ip-172-31-20-99:~#
```

Creat directory and file then copy from server 1 to server 2

```
root@ip-172-31-20-99:~# mkdir praveen
root@ip-172-31-20-99:~# cd praveen
root@ip-172-31-20-99:~/praveen# touch f1
root@ip-172-31-20-99:~/praveen# pwd
/root/praveen
```

```
         h| .. print this help
root@ip-172-31-20-99:~# scp /root/praveen/f1   india@172.31.28.92:/tmp
f1
root@ip-172-31-20-99:~#
```

Then try ping