

SSH connection between Two servers documented by Praveen

Server 1 kpk and security group test1

kpk i-0a12538d437b113d6 t2.micro us-east-2b running Initializing None ec2-18-217-156-110.us... 18.217.156.110

Security groups [test1-sg](#) [view inbound rules](#) [view outbound rules](#)

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	My IP 123.201.77.87/32	e.g. SSH for Admin Desktop

Add Rule

Server 2 Praveen security group test2

praveen i-02106f69200757d5b t2.micro us-east-2b running 2/2 checks ... None ec2-18-224-149-35.us-... 18.224.149.35

Security groups [test2](#) [view inbound rules](#) [view outbound rules](#)

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	My IP 123.201.77.87/32	e.g. SSH for Admin Desktop
SSH	TCP	22	Custom sg-0801390019b3aedbe	e.g. SSH for Admin Desktop

Add Rule

NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.

sg-023613778c3462a0c - ubuntu-1

sg-05294d1f23049a446 - ansible-host

sg-0574b86864edc0c15 - jenkins-sg

sg-0801390019b3aedbe - **test1-sg**

sg-094f70f7e50dbad5d - praveen-SG

sg-0a807dd4c90da6e49 - nexus-sg

sg-0bc76f7d632d6cfc - kpk-SG

sg-0d2b03f0a69b3c3f0 - test2

sg-0fd2dd9c9d3583748 - Ubuntu 18-04 LTS - Bionic-18-04 LTS 20180814-AutogenByAWSMP-

sg-90002ffa - default

Cancel Save

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 visudo 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 password authentication 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:fn0uSjVfMqr9uzFREax3LZaUfbfQE26M1Gsn3AsteU 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
```

```
ip -i: 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