

Granting SSH access using TCP Wrappers

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How to grant SSH access only from an IP to a server?

Overview: This article explains how to grant SSH access only from a specific IP or gateway server by editing the `hosts.allow` and `hosts.deny` files, and how to apply the configuration to multiple remote servers using Ezeelogin's parallel shell.

Login to the server and edit `hosts.allow` and `hosts.deny` and add the below lines. `hosts.allow` will have high priority and it will override the rules in `hosts.deny`.

Refer below example of allowing SSH access only from 192.168.1.2 and blocking from all other IPs.

```
root@remote_server ~]# vim /etc/hosts.allow
```

```
sshd : 192.168.1.2
```

```
root@remote-server ~]# vim /etc/hosts.deny
```

```
sshd : ALL
```

How to grant SSH access to all remote servers only from the gateway server (192.168.1.2) using the parallel shell?

1. Login to the **Ezeelogin shell (ezsh)** and enable the [parallel shell](#) feature by pressing "F7" or "*" and select **all servers**. Refer below example.

```
No mExec list
Production Server
*All servers      List of all accessible servers
```

```
MEXEC [Normal / ]
Start typing string to locate. ESC: Clear search, F1/+: Help, F4/!: Exit.
```

2. Run the below command to place the entries in **hosts.allow** and **deny.allow**. Replace the below IP with your gateway IP.

```
[group:All servers]# echo "sshd : 192.168.1.2" >> /etc/hosts.allow ; echo "sshd : ALL" >> /etc/hosts.deny
```

The above command will add gateway IP to hosts.allow which will allow SSH service from the gateway server and will block all other SSH connections from other servers.

3. Run the below command to confirm the entries in hosts.allow and in hosts.deny of all remote servers.

```
[group:All servers]# cat /etc/hosts.allow | grep -i sshd ; cat /etc/hosts.deny | grep -i sshd

centos.server

sshd : 192.168.1.2
sshd : ALL
```

```
ubuntu.server
```

```
sshd : 192.168.1.2
```

```
sshd : ALL
```

Refer above example to view the entries in **hosts.allow** and **hosts.deny**.

4. SSH from the gateway server and other servers to the remote servers to confirm SSH only working from the gateway server.

Related Articles:

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[Hide IP address of remote servers](#)

Online URL: <https://www.ezeelogin.com/kb/article/granting-ssh-access-using-tcp-wrappers-534.html>