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Samba Restrict File Sharing To Particular Users or Network Addresses

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All my local Linux user accounts will be able to log in to my Samba server and access share. How do I restrict access to particular users or network subnet such as 192.168.2.1/24?

[1]

You can use TCP wrappers to limit subnet access via:

1. **/etc/hosts.allow** - This file describes the names of the hosts which are allowed to use the local INET services, as decided by the /usr/sbin/tcpd server.
2. **/etc/hosts.deny** - This file describes the names of the hosts which are NOT allowed to use the local INET services, as decided by the /usr/sbin/tcpd server.

For example, allow access to smbd service inside LAN only via /etc/hosts.allow:

```
smbd : 192.168.2.
```

However, samba may or may not be built to [2] support tcp wrappers.

hosts allow: Samba Configuration

Open your smb.conf file and add the following line to [share]

```
[share]
  hosts allow = 192.168.2. 127.0.0.1
```

valid users: Samba Configuration

Open your smb.conf file and add the following line to [share]

```
[share]
  valid users = user1 user2 @group1 @group2
```

read only & write only: Samba Configuration

You can also set read and write access to set of users with the read list and write list directives.

```
[share]
    read only = yes
    write list = user1 user2 @group1 @group2
```

Examples

Make [sales] share read only but allow user tom and jerry to write it:

```
[sales]
    comment = All Printers
    path = /nas/fs/sales
    read only = yes
    write list = tom jerry
```

You can also configure iptables to allow access to the Samba server.

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[1] Image: **http://www.cyberciti.biz/faq/category/samba/**
[2] may not be built to: **http://www.cyberciti.biz/faq/tcp-wrappers-hosts-allow-deny-tutorial/**