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## Iptables Open VNC Port To Allow Incoming VNC Connections

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How do I configure Linux system firewall to allow incoming VNC connections?

VNC server listens on the following TCP ports:

=> VNC server on display 0 will listen on TCP ports 5800, 5900 and 6000

=> VNC server on display 1 will listen on TCP ports 5801, 5901 and 6001

=> VNC server on display N will listen on TCP ports 580N, 590N and 600N



[2]



[1]

In other words a VNC server listens for a VNC client on TCP ports 5800+N, 5900+N, and 6000+N where N is the display which starts at zero. So,

- 5800+N - Java-based vncviewer;
- 5900+N - VNC Client Port;
- 6000+N - X Server port.



[3]

## Find Out VNC Port

Type the following command:

```
# netstat -tulp | grep vnc
```

## Update /etc/sysconfig/iptables

Edit /etc/sysconfig/iptables file:

```
# vi /etc/sysconfig/iptables
```

Update it as follows:

```
# Open VNC for USER1
-A RH-Firewall-1-INPUT -m state --state NEW -m tcp -p tcp --dport 5800 -j ACCEPT
-A RH-Firewall-1-INPUT -m state --state NEW -m tcp -p tcp --dport 5900 -j ACCEPT
-A RH-Firewall-1-INPUT -m state --state NEW -m tcp -p tcp --dport 6000 -j ACCEPT
# Open VNC for USER2
-A RH-Firewall-1-INPUT -m state --state NEW -m tcp -p tcp --dport 5801 -j ACCEPT
-A RH-Firewall-1-INPUT -m state --state NEW -m tcp -p tcp --dport 5901 -j ACCEPT
-A RH-Firewall-1-INPUT -m state --state NEW -m tcp -p tcp --dport 6001 -j ACCEPT
```

Save and close the file. Restart iptables:

```
# service iptables restart
```

## A Note About Other Linux Distributions

/etc/sysconfig/iptables works only on RHEL / CentOS / Fedora Linux. For other distros update your iptables shell script as follows:

```
$IPT -A INPUT -m state --state NEW -m tcp -p tcp --dport 5801 -j ACCEPT
$IPT -A INPUT -m state --state NEW -m tcp -p tcp --dport 5901 -j ACCEPT
$IPT -A INPUT -m state --state NEW -m tcp -p tcp --dport 6001 -j ACCEPT
```

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