

# VNC

**NOTE:** for the following examples, 192.168.1.34 will be the REMOTE machine (VNC server).

## Setup VNC Server (on Slackware)

USING TigerVNC: On your remote machine, install fltk, then install TigerVNC via slackpkg

```
slackpkg install fltk
slackpkg install tigervnc
```

Start the VNC server:

```
vncserver
```

You should get a message stating that the VNC server has started on DISPLAY 1.

**NOTE:** VNC listens to port 5900 or 5901 by default so make sure you can accept connections from that port.

**NOTE:** If you are using TigerVNC, the server can also listen on port 5800 for web-browser VNC connections.

## Setup VNC Viewer (on Slackware)

USING TigerVNC: On your local machine, install fltk and TigerVNC via slackpkg

```
slackpkg install fltk
slackpkg install tigervnc
```

Start the VNC viewer:

```
vncviewer
```

Connect to your VNC server:

```
In the "VNC server:" box put the IP address/URL of your VNC server and
the display number:
192.168.1.34:1
```

# Tunnel VNC Through SSH (from Slackware)

Open an SSH connection:

```
ssh -L 5901:localhost:5901 -N -f -l bob 192.168.1.34
```

Where,

-L 5901:localhost:5901 = Connections to local port 5901 is forwarded to remote port 5901 on the remote machine.

-N : Just forward ports, do not execute a remote command.

-f : Make ssh to go to background before command execution.

-l bob : 'bob' is the username.

192.168.1.34 : is the remote machine (target VNC Server).

Connect with VNC:

```
vncviewer
```

Enter "localhost:1" (or "127.0.0.1:1") into the 'VNC server:' box

# Tunnel VNC Through SSH (from Windows with Putty [V0.62])

Install Putty on the LOCAL machine.

Open putty and set the following values:

```
Session >  
HostName: 192.168.1.34  
Connection Type: SSH  
Connection > SSH > Tunnels >  
Source port: 5901  
Destination: 192.168.1.34:5901
```

Start the connection by hitting the OPEN button.

Connect with VNC:

```
vncviewer
```

Enter "localhost:1" (or "127.0.0.1:1") into the 'VNC server:' box

# Reverse VNC Connection

(Connecting to a listening VNC viewer (Useful for family IT support))

Start The VNC Viewer (on Slackware) In Listen Mode-

```
vncviewer -listen 5500
WHERE: 5500 is the port to listen on (5500 is default).
```

**IF YOUR INCOMING CONNECTION IS COMING THROUGH A FIREWALL (most home routers)** do not forget to forward the port in the router (5500 is the default port for reverse VNC connections).

Start the VNC SERVER on Windows and attach a listening viewer-

```
Start the VNC Server
RIGHT CLICK on the VNC server icon in your task bar and select "ATTACH
LISTENING VIEWER"
Put in the IP address of the viewer machine: 192.168.1.34
**NOTE** - If the incoming connection is coming into your home network
from the internet
            (through a forwarded port), make sure to connect to the
ROUTER'S address (the
            internet address) and NOT your local address. This can be
found by going to a
            "whatsmyip" website with a browser.
```

## Sources

\* Originally written by [arfon](#)

[howtos](#), [software](#), [X Windows](#), [X11](#), [VNC](#), [TightVNC](#), [Putty](#), [author arfon](#)

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