

# Remote X: Windows to Linux

## Plain Ol' Vanilla Remote X11

1) Install Xming **and** Xming-fonts

- Download from <http://sourceforge.net/projects/xming/files/>

2) Add the Linux machine's DNS name(s) and/or IP address to the C:\Program Files\xming\X0.hosts file. File should look something like:

```
Linux1.mydomain.com
Linux1
192.168.1.25
```

3) Start Xming

- (NOT XLaunch)

4) Start the connection: Connect to the Linux machine via ssh/telnet/rlogin/whatever and run:

```
DISPLAY=WINDOWS_IP:0;export DISPLAY;APPLICATION_YOU_WANT_TO_RUN
EXAMPLE: DISPLAY=192.168.1.10:0;export DISPLAY;xterm
```

Minimize the telnet session, do not close it. If you close it, your X11 connection will close.

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### PROBLEMS

**PROBLEM:** "Xlib: connection to YOUR\_IP refused by server"

**FIX:** Check the Xming log, it probably contains "Xming.exe: client 4 rejected from IP YOUR\_IP". If so,

1. close Xming
2. Make sure that the DNS names and/or IPs are in the C:\Program Files\xming\X0.hosts file
3. restart Xming

**FIX2:** If problem is not fixed, restart Xming with the -ac option.

**PROBLEM:** Map starts but then I get a font error from OpenView.

**FIX:** Install the Xming-fonts onto your Windows box.

**PROBLEM:** When starting Xming, a Windows Security Alert pops up saying Windows Firewall has blocked this program.

**FIX:** Change Windows Firewall setting to allow Xming.

**FIX2:** Disable Windows Firewall by going to Services, setting Windows Firewall to MANUAL START and then stop the service.

**PROBLEM:** Cannot connect to Xming and I have checked all of the above.

**FIX:** When starting Xming as display 0, Windows Firewall does not complain. Check to see if Windows Firewall is blocking the connection.

## Remote X11 Over SSH

1) Edit `/etc/ssh/sshd_conf` on the **remote** (Slackware) machine.

```
CHANGE:
#X11Forwarding no
TO:
X11Forwarding yes
CHANGE:
#X11UseLocalhost yes
TO:
X11UseLocalhost yes
```

2) Install Putty (if it's not already installed).

```
www.chiark.greenend.org.uk/~sgtatham/putty/
```

3) Open putty and fill in the "Host Name" box.

4) Under Category > Connection > SSH > X11 check the "Enable X11 forwarding" box.

5) Click the "Open" button to start the connection.

6) Log into the remote machine as you would do in a normal SSH session.

7) Start the X application from the command line, a window should open on your local machine with the application.

(It's basically a regular SSH session with putty but with X11 forwarding enabled.)

## Sources

- Originally written by [arfon](#)

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

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