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.

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/ssh**d_**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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