

# Re: CANNOT Get Remote X to Work -- Guru Needed

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On 4/18/06, Bill Polhemus <[bill@xxxxxxxxxxxx](mailto:bill@xxxxxxxxxxxx)> wrote:

Most of the how-tos and other such information available on the 'net are old and outdated.

I last had this working ca. FC3. I am using the WinAxE X-Window client (<http://www.labf.com>) on Windows XP, and trying to pull up my FC5 server's desktop from there. I just can't get the connection.

I have the client software on the Windows XP box configured as shown on LabF's tutorials page, but when it comes to editing the various (and sundry!) config files on my FC5 server, I'm not sure I have even found them all.

Is anyone doing this now? What advice can you give me?

I messed around and got this working between 2 FC5 boxes tonight. I've been meaning to do it since FC5 came out, and your query gave me the motivation.

This procedure assumes you're on a private LAN, 192.168.1.0/24. If you're not, adjust IP addresses accordingly. This procedure also assumes you have physical access to the remote machine's console.

ON THE REMOTE MACHINE: Login, open a terminal, and become root. Run "gdmsetup". Select the "Remote" tab and choose "Same as Local". Click "Configure XDMCP" in lower right corner. Make sure that "Honor indirect requests" is unchecked. Make sure "Listen on UDP port:" is set to 177. Click Close. Click Close. Edit /etc/sysconfig/iptables and add this line before the line that contains "reject-with icmp-host-prohibited".

```
-A RH-Firewall-1-INPUT -s 192.168.1.0/24 -p udp --dport 177 -j ACCEPT
```

(Again, pay attention to the IP address.) Save the file. Restart iptables by executing "service iptables restart".

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Restart X as follows. Execute "init 3" from the command line. A text session appears. Press enter if it appears hung. Login as root. Execute "init 5" from the command line. X starts. Press CTRL-ALT-F1 so you can return to the text session and logout of the root session. Press CTRL-ALT-F7 to return to X. Login, open a terminal, and become root.

Execute the following command and verify that gdm-binary has opened port 177/udp.

```
[root@petrel ~]# netstat --inet -pnl | grep 177
udp 0 0 0.0.0.0:177 0.0.0.0:* 3474/gdm-binary
```

If so, XDMCP is now configured on the remote host. Log out of the remote host.

ON THE LOCAL MACHINE: Login, open a terminal, and become root. Edit /etc/sysconfig/iptables and add the following line before the line that contains "reject-with icmp-host-prohibited".

```
-A RH-Firewall-1-INPUT -s 192.168.1.0/24 -p tcp -m tcp --dport 6001 -j ACCEPT
```

Save the file. Restart iptables. Open a non-root shell. From the command line, kick off an X session connecting to the remote host's X server, sending the display to local display :1. Here's the command to do it.

```
Xorg :1 -ac -query REMOTE_HOST_IP_ADDR
```

A new X session will start. You can toggle between the sessions by pressing CTRL-ALT-F7 (for display 0, your original local session) and CTRL-ALT-F8 (for display 1, your new XDMCP-served remote session).

Obviously, the steps on the local machine will be different since you're on your Windows machine. Adjust as necessary.

Hope this helps,  
Jay

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