

Re: Remote code and compile with GUI from Windows to Linux?

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On Fri, 2006-02-03 at 04:35, Alan Peery wrote:

Arthur Pemberton wrote:

I have a multi-programmer project coming up. The application will be compiled, run and tested on a remote Linux box.

There are three main paths here:

1. remote X windows. Your machine is ready to go (minus a bit of settings), windows PC could be given X capabilities via installing the X windows package that is part of Cygwin (www.cygwin.com).
2. Running multiple VNC server sessions on the remote linux box (look in /etc/vnc*) and connecting to them. Easy for you (yum install vnc), also very easy for Windows (www.tightvnc.com).
3. Running NX (www.freenx.com) on the remote server, giving you mutiple sessions running on the remote server ala VNC. Clients are readily available at www.nomachine.com.

I would go for the VNC solution to start as it is an easier install than NX. NX seems to have better handling of things like shift keys with the arrow key, and other subtleties of than VNC so convert over to it once you've figured out the install. The primary reason to choose VNC or NX over X is the resumability of sessions, but remember to plan additional amounts of swap space on the machine as you'll be pushing the machine harder with full remote sessions.

A couple of additions to this:

You can run Cygwin X in two different modes. If you start it with 'X -query host' you get a graphic login prompt followed by a full X desktop in what appears to be one large MS window. If you run it in 'X -multiwindow' mode instead, you do not get a root window or window manager. Instead, if start individual remote applications (usually via ssh) the each open in what appears to be their own MS window and mingle

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with local apps on the normal desktop. There is a CD that you can run with no installation <http://xlivecd.indiana.edu/> although if you like it you probably should install a current version and keep it updated.

Also, if by 'remote', you mean over a low bandwidth or internet connection, freenx/NX will give much better performance than vnc or normal X.

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