

General Information about NX and Neatx –

NX - NoMachine NX is an enterprise-class solution for secure remote access, hosted virtual desktop deployment

Neatx is an Open Source NX server, similar to the commercial NX server from [NoMachine](#). If you're not familiar with NX, these links might help:

- [NoMachine's "Getting Started With NX"](#)
- [NoMachine's "Introduction to NX technology"](#)
- [Wikipedia article on NX technology](#)

What's the use of these products for us –

From home we can remotely login and work on graphics intensive programs.

Our Environment –

We have two servers for testing/evaluation. On SCCS server we have installed NX Commercial product. On controls server we have installed Google's open source Neatx product. For accessing both NX and Neatx, you need to install NX Open source client.

SCCS Provided NX Server - ppa-linuxshare.slac.stanford.edu

Controls Test Neatx Server - linux-training.slac.stanford.edu

Procedure to download and install NX client on Windows –


Go to following URL -

http://www.nomachine.com/download-package.php?Prod_Id=3655

1) Download and install following in SEQUENCE – Install NX Client first and then install the additional fonts below as given in the above web link.

NX Client for Windows


Download NX Client for Windows





Release: 3.5.0-7
Package size: 4.94 MB
Package type: EXE
Requirements: None
MD5 signature: e578c3e1352ad4455b7fc7275469fb6e
For: Windows i386/AMD64 2000/2003/XP/Vista/7

[Download package](#)

Add-On Downloads



- ▶ **nxfonts-75dpi-3.5.0-1.exe** - Font Family 75 dpi.
MD5 signature: 5960b9ff7c56411b0fead01a65633e80 
- ▶ **nxfonts-100dpi-3.5.0-1.exe** - Font Family 100 dpi.
MD5 signature: 9736e380815025d93b3214e1085288b4 
- ▶ **nxfonts-misc-3.5.0-1.exe** - Font Family Misc.
MD5 signature: 8542ab522bf26254f05aebab26efc7a5 
- ▶ **nxfonts-others-3.5.0-1.exe** - Font Family Others
(encodings,type,util,speedo).
MD5 signature: a0faedc6b2744c6d519036762e2e929a 

2) Click on NX client icon.

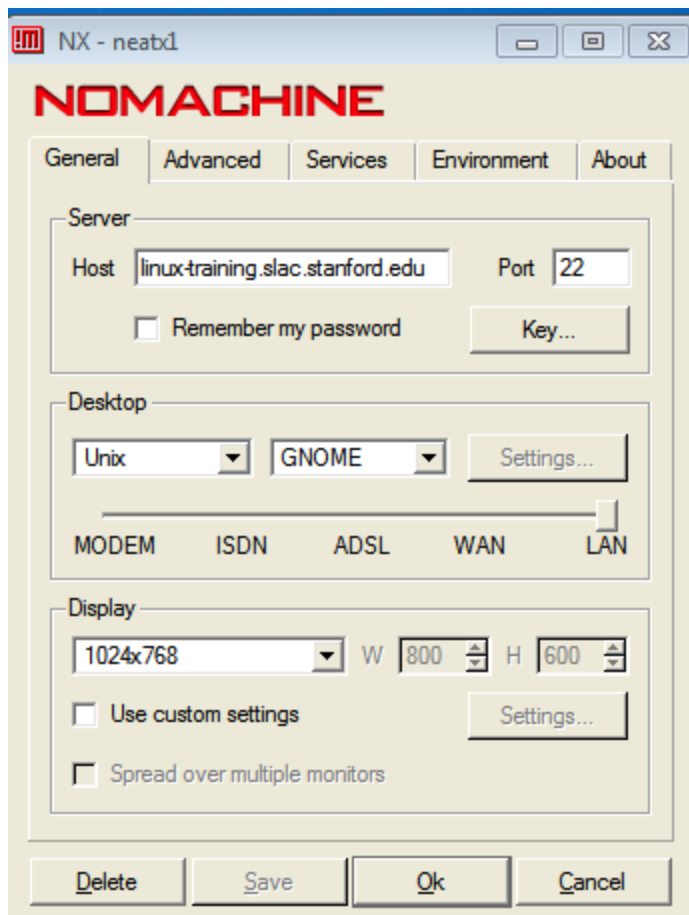
For using NX Server -

Provide server name as “ppa-linuxshare.slac.stanford.edu”.

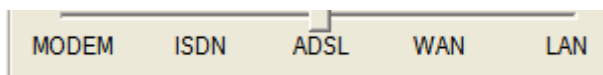
Select Desktop options – Unix and GNOME.

For using Neatx Server –

Provide server name as "linux-training.slac.stanford.edu".
Select Desktop options – Unix and GNOME.



Select one of the following depending upon your home connectivity



NX Client setup on MAC –

The MAC nomachine client does work a bit different than Windows or Linux version of the same client.

Try the following on your MAC:

Once you have downloaded and installed the Nomachine client for MAC, launch Nomachine player, and you will need to type in "nxserv02.slac.stanford.edu" w/o double quote as the host, select "Use the Nomachine login". After you have log in, select "Create a new session", then select "Create a new GNOME virtual desktop", when you see the Information screen, click on X to close it and you will see the desktop.

Issues and workarounds for NX Server ppa- linuxshare.slac.stanford.edu -

Issue - First time the user is able to login successfully using NXClient on ppa-
linuxshare.slac.stanford.edu. When the person logs off and tries to connect
again, he/she gets following error -
Server Configuration Error. Cannot login. Please contact your system administration.

Workaround -

Logon to mcclogin

cd .ssh

unlink authorized_keys2

cp ~/.ssh/.public/authorized_keys2 ~/.ssh/

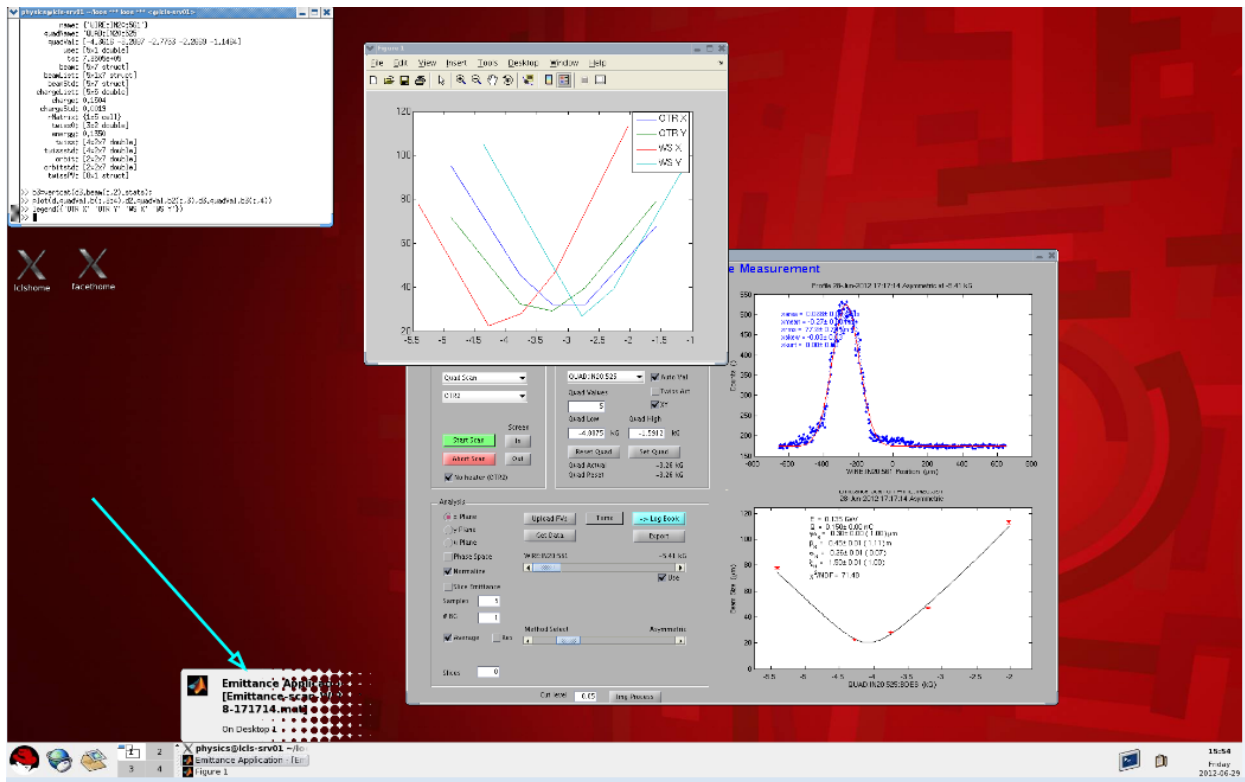
Logoff and log to NX/nomachine again.

Miscellaneous Issues on NX/NeatX Server -

Issue - Slow server response.

Reason - NX/Neatx server's primary responsibility is Fast Remote Access. User's are expected to get
connected to NX/Neatx server from home and ones connected they are expected to ssh/login to their
respective server. At times NX/Neatx server becomes busy because users launch CPU intensive jobs on
NX/Neatx server. Please avoid using NX/Neatx server for launching CPU intensive jobs.

Issue - Performance issue for a while now for both NeatX and NX. When you put
the mouse over the "taskbar" it will pop up a balloon with more information about
the task bar item and this animation is extremely slow (~min) to complete and
stalls everything else.



Fix -

- 1) Exit from NX Session
- 2) Click on NX Icon, and before you login do following

Press "Configure"

Chose tab "Advanced"

Check the box "Disable DirectDraw for screen rendering".

- 3) Now you enter your password and start the NX Session