Whiteboard collaboration with NX shadow client

Supercomputing facility HPCFS offers whiteboard collaboration through **NoMachine** remote desktop software installed at login node. Anonymous guests can request attachment to HPC user's running session by navigating web browser to login node and following instructions there, where client software will be automatically installed if required. No password is needed, just remote desktop owner approval. Shadowed display is somewhat slower than owner's desktop, depending on the network connection, but provides full desktop control with keyboard and mouse. Both parties can thus collaborate simultaneously by looking the same desktop while talking over phone or **Skype**. Users giving access to their desktops should be aware that such collaboration does not give them right for granting third parties access to the (super)computing facilities. It should be only used for problem discussion and typing for publications.

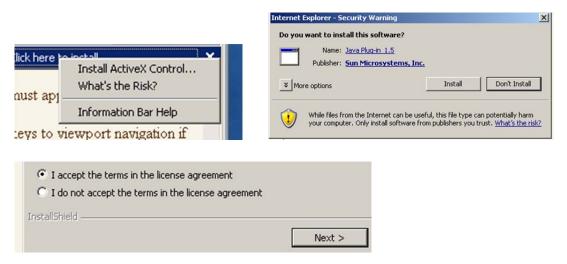
Quick procedure for getting attached to colleague's remote display:

- 1. Open web browser and enter http://login.hpc.fs.uni-lj.si
- 2. Initial screen redirects to NX plugin
- 3. If Java and/or NX plugin is missing request for download are issued automatically. Accept all requests and install missing plugin.
- 4. NX plugin installation appears. Approve all actions suggested.
- 5. List of available sessions appears. Select username by clicking appropriate row and then button Attach.
- 6. Owner of the remote desktop must approve desktop attachment. Ask him/her by phone to approve it by clicking in dialog box.
- After approval remote desktop appears. Guest can interact with mouse and keyboard with the same privileges as desktop owner. Use Ctrl + Alt + R to switch "auto-resize/viewport" mode and Ctrl + Alt + arrow keys to viewport navigation if your display is not large enough.
- Disconnect from display with Ctrl + Alt + T or by clicking window close (x) button. Shadow Monitor icon can also be used for disconnection.

Showing all of the above steps in **one minute animation** AVI for Windows XP is also deciphered below. Other system follows similar procedure:

- 2. Initial screen automatically redirects to NX plugin after 15 second. Click image if impatient.
- 3. If Java and/or NX plugin is missing request for download are issued automatically. Accept all request and install missing plugin by clicking OK, Install ActiveX control, Install, and Finish.





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Setup Type			
Choose the setur			
Please select a se using the Add/Re			
• Typical	Java		
قلو ک		< Back	Finish

4. NX plugin installation appears. Click Yes, Download, Yes to fingerprint (verify), and Unblock buttons.

Warning	- Security	×		NX Web Companion detected there is no NX plugin installed on your computer.
1	Do you want to trust the signed applet distributed by "Medialogic S.p.A." Publisher authenticity can not be verified. The security certificate was issued by a company that is not trust The security certificate has not expired and is still valid.		200	Click on the button below to start the download.
	The security certaincate has not expired and is star valid.	1 miles	NOMACHINE	
	Yes No Always			Download
Internet or a	The authenticity of host login.hpc.fs.uni-lj.si, 193.2.78.226, can't be established. The RSA key fingerprint is: d8:81:8f:2f:0e:62:ef:65:01:d4:bd:78:5f:f5:b3:7b. Are you sure you want to continue connecting? <u>Yes</u> No Keep Blocking Unblock Ask Me Later irewall has blocked this program from accepting connections from the a network. If you recognize the program or trust the publisher, you can when should 1 unblock a program?			

Session Name	Username	Туре	Geometry	Status	Services	Display 🔺
Local display	leon	X11-local	Not available	Running	DPSA	0
ppgplasma	ppgplasma	unix-kde	1492x1008x24	Running	-RDPSA	1164
prelog	askrlec	unix-kde	1674x995x32	Running	-RDPSA	1160
prelog	jtrajkovski	unix-kde	1674x984x32	Running	-RDPSA	1196
prelog	leon	unix-kde	1565x1064x32	Running	-RDPSA	1155
prelog	Inovak	unix-kde	1274x744x32	Running	-RDPSA	1189
prelog	mmazej	unix-kde	1674x982x32	Running	-RDPSA	1163 -
prelog	senad211	unix-kde	1674x995x32	Suspended	-RDPSA	1152
PRELOG	ptomsic	unix-kde	1594x1132x32	Running	-RDPSA	1171 🔄

5. List of available sessions appears. Select username by clicking appropriate

6. Owner of the remote desktop must approve desktop attachment. Ask him/her by phone to approve it by clicking in dialog box.

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- After approval remote desktop appears. Guest can interact with mouse and keyboard with the same privileges as desktop owner. Use Ctrl + Alt + R to switch "auto-resize/viewport" mode and Ctrl + Alt + arrow keys to viewport navigation if your display is not large enough.
- Disconnect from display with Ctrl + Alt + T or by clicking window close (x) button. Shadow Monitor icon can also be used for disconnection. Allow further unblocked access by NX secure shell (nxshell).

	Name:	nxssh Unknown	program.
		Keep Blocking	Unblock