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.
7. 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.
8. 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:

1. Open web browser and enter **http://login.hpc.fs.uni-lj.si**

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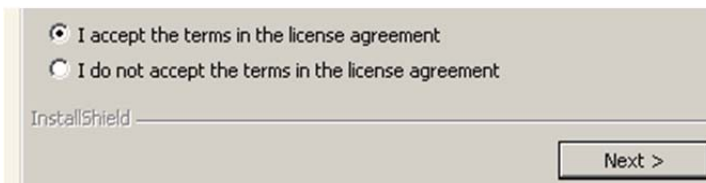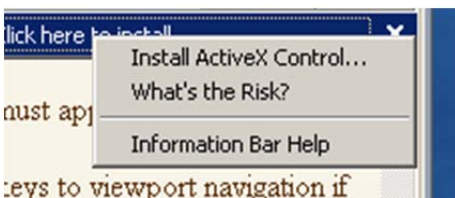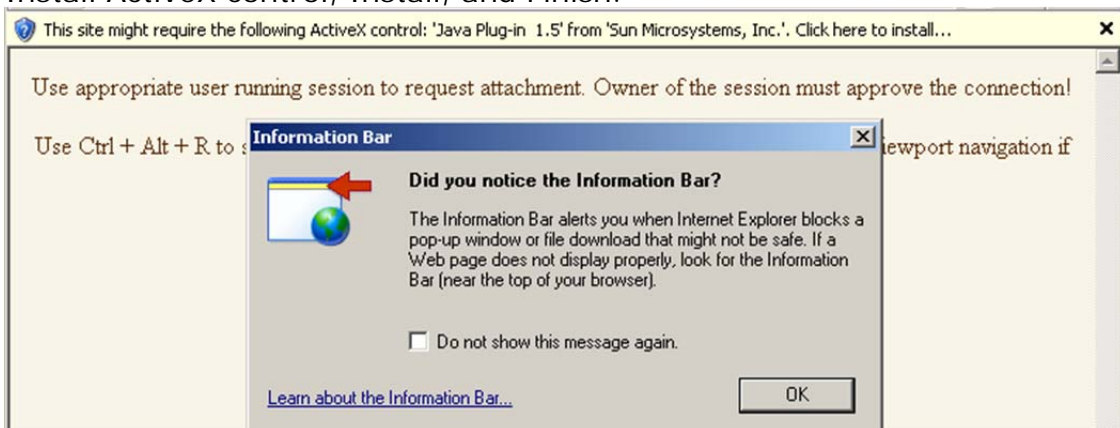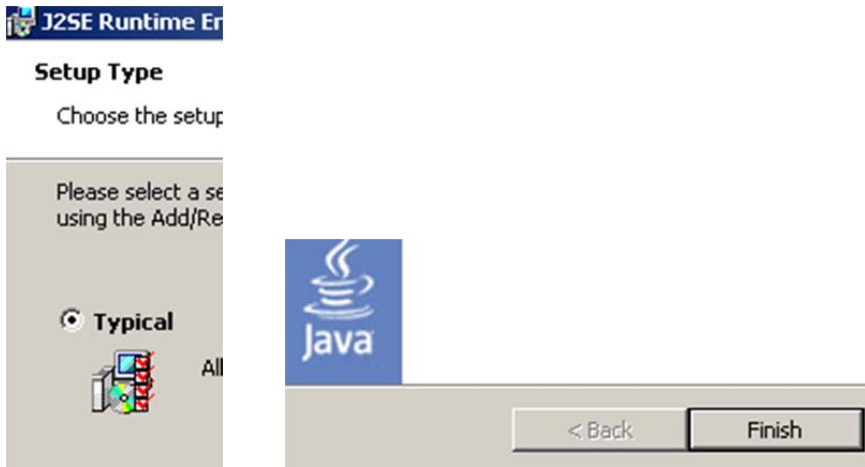
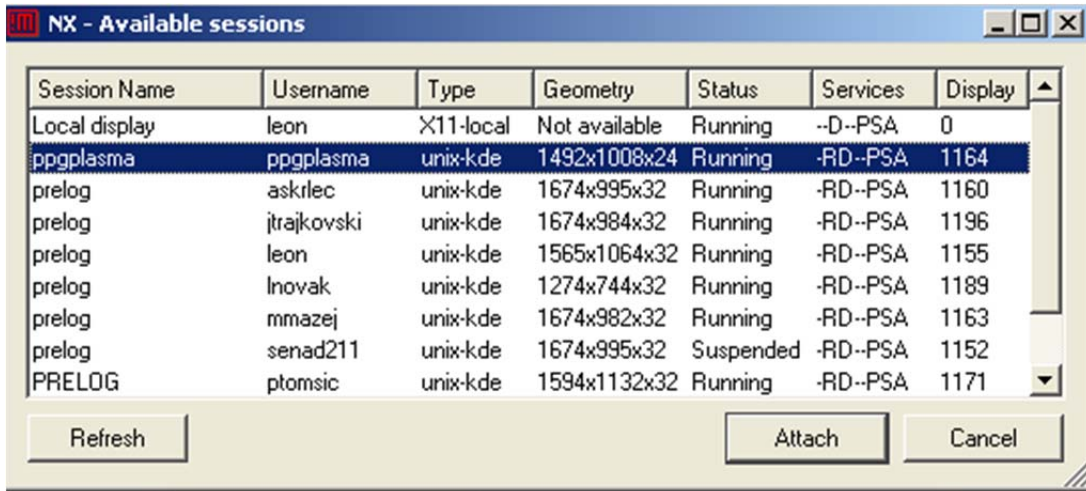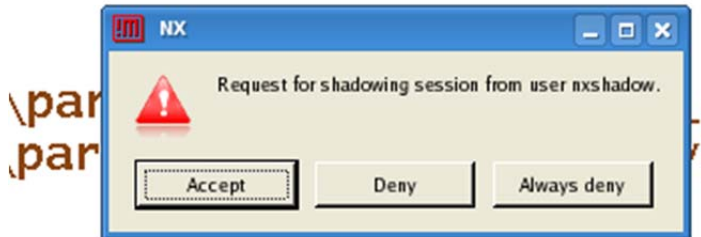4. NX plugin installation appears. Click Yes, Download, Yes to fingerprint (verify), and Unblock buttons.

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

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

Refresh   Attach   Cancel

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

NX

Request for shadowing session from user nxshadow.

\par
par

Accept   Deny   Always deny

7. 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.

8. 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).

Do you want to keep blocking this program?

Name: nxssh
Publisher: Unknown

Keep Blocking   Unblock

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