LanSchool Utilities

SecurityMonitor.exe
If you suspect a student has a rogue copy of LanSchool, you can quickly identify that student with the new LanSchool Security Monitor. The LanSchool Security Monitor will capture all traffic and optionally save the data out to a log file. Click the Options button, select the logging tab and type in a filename.

Clicking on the options button also allows you to filter by teacher and by message. This new filter capability allows you to sift through all of the messages to just find the inappropriate use. If you find a rogue teacher console is in use, you can show Real-time Alerts by selecting that computer. At that point, all traffic from that computer is flagged with a warning sign.

EnableChannelSelect.exe
By default, a teacher cannot alter the settings in the Teacher Channel area of the Network tab of the Teacher Options dialog. This information is set during installation and generally does not need to be set. However, if a teacher does need to change these settings, running this utility on the teacher's machine will then allow that teacher to update her local channel, groups, and remote student channels. This utility must be run with local Administrator privileges. If you have need to revoke these rights, you can run this utility with the "FALSE" command line option.

DisableAudio.exe
DisableAudio is a utility that can be run on the Teacher Console machine to globally enable or disable the audio features in the Teacher Console (the Speak toolbar button and Speak menu items.)

Usage: DisableAudio [TRUE | FALSE]

DisableDataTransmission.exe
By default, a teacher can alter the settings in the Data Transmission area of the Network tab of the Teacher Preferences dialog. If you do not want a teacher to change the Data Transmission settings you can run this utility on the teacher’s machine and it will make it so the Data Transmission section will be grayed out.

You can set it back to the default by running DisableDataTransmission.exe FALSE.

DirBCastAddr.exe
When configuring the Teacher.exe options, the Network tab allows for up to 3 different "IP-Directed Broadcast" addresses. These are special addresses which (when properly formed) will traverse your network as a single directed UDP packet until the destination subnet is reached. Upon reaching the destination subnet, the router will then convert the packet into a standard UDP-Broadcast packet. For this to function, the routers must be configured to forward IP-Directed Broadcast packets (sometimes routers refer to these as "UDP Directed Broadcasts) and the address of these packets must be properly formed. This utility will help with the later. You

must enter the IP address of any student machine on the target subnet along with the subnet mask for that subnet. After both addresses have been entered, click on the "Calculate" button. Copy the resulting address into one of the three Subnet entries in the Data Transmission area of the Network tab of the Teacher Options dialog.

LSeries.bat
This file is used with all NComputing U and L-Series devices. The Install.pdf manual explains its use.

LSeriesLocation.exe
This utility will display the local Client Name of a U and L-Series NComputing device. It can be used to verify the proper setup of an NComputing U and L-Series device as explained in the Install.pdf manual.

SetChannel.exe
The Teacher Channel is generally set during installation. The LanSchool software can always be re-installed to update the local Teacher Channel on a student or teacher machine. This utility can also be used to update that local Teacher Channel. It must be run with local Administrator rights. On a Teacher machine, it can also be used to group channels together. It is a console application. All parameters are passed on the command-line. The new Teacher channel must be a number between 0 and 160001. (Note that channel 0 has no real use for a Student machine and that channel 16001 has no real use for a Teacher machine.) If the machine is a Teacher machine, you can specify a group of channels by enclosing the comma separated channels within brackets. (i.e. {1,4,63}) SetChannel.exe also accepts a special –TC command line parameter to allow you to change the channel on a PC Tech Console.

SetDataTrans.exe
This will alter the base data transmission type on a Teacher machine between IP-Broadcast, IP-Multicast, and IP-Directed Broadcast. As a console application, the parameters are passed on the command line. They are "Broadcast", "Multicast", or "Directed:w.x.y.z,w1.x1.y1.z1,...". For IP-Directed Broadcasts, you can specify up to 4 dotted-decimal IP-Directed Broadcast addresses. You can use the DirBCastAddr.exe utility to properly form these addresses.

StudentDiagnostics.exe
This is a diagnostic utility used by LanSchool Technical support personnel. It is generally used to detect network connectivity issues involving Firewalls and routers.

StudPopUp.exe
If the student or teacher computer does not have a system tray (it is possible to remove the system tray with Group Policies or with Novell's Netware Application Launcher) there will be no way to access the local LanSchool menu. Running this app will bring up the local LanSchool menu.

SwitchToTeacher.exe
While the Teacher.exe console has an option to switch functionality to that of a Student, there is no easy way for a Student machine to switch to the functionality of a Teacher machine. This utility will provide that option. For this to function, you must first install the Teacher software on that student machine and then over-install the Student software. Running this utility will stop the local Student application and launch the Teacher application.

WakeUp.exe

The LanSchool Teacher console can issue a Wake-On-Lan packet to wake up specified student computers. For this to work, the student computers must be configured in their BIOS to all for a remote wakeup. Unfortunately, all computer manufacturers seem to set these BIOS settings in a different way. This utility is used to verify that a particular machine has been setup properly. It will take the MAC address of the target computer as a commandline option. For example, if the MAC address of a target student machine were 00-22-64-AD-9C-AC, you could use WakeUp.exe to "wake-up" that machine with the following command line: WakeUp.exe 00-22-64-AD-9C-AC

[Enter]