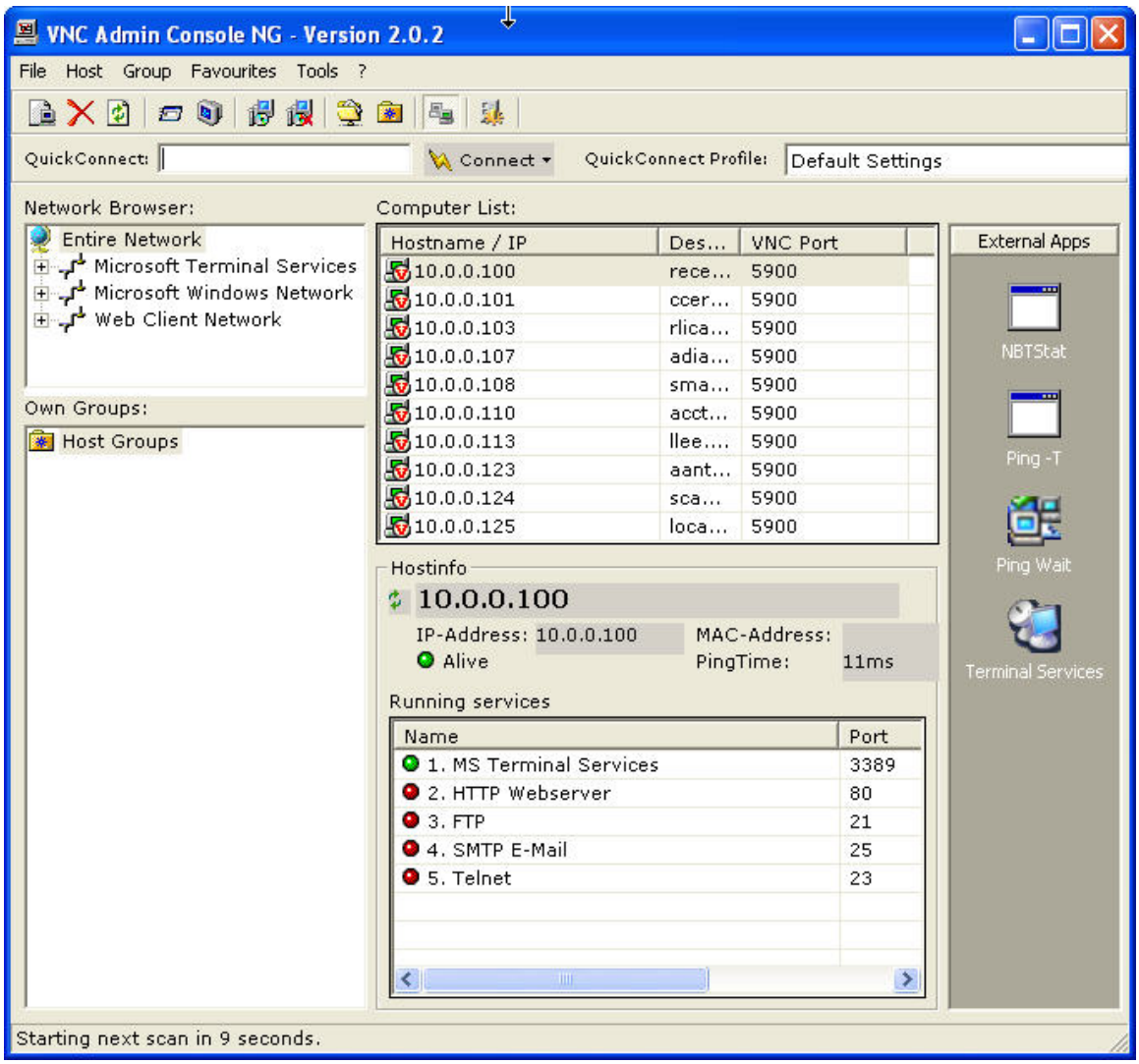
7.8.1

VNC ADMIN CONSOLE

(VNCAC)



Laboratory Overview

Objective

At the end of this lab students will be able to use the VNC Admin console to centrally manage their remote computer connections.

Information for Laboratory

A. Students will utilize VNC Admin Console NG

Student Preparation

The student will have completed requisite reading. The student will require paper for notes and should be prepared to discuss the exercises upon completion.

The student will need to have access to a Windows 2000/XP computer that has VNC services installed.

Estimated Completion Time

60 Minutes

Remote Access using VNC

VNC provides an easy and simple way to connect to a remote

computers desktop via TCP/IP, as you were in front of the physical computer. When in a LAN environment with several computers, management tasks can be made more simple by the use of a centrally managed remote access management software, such as VNC Admin Console.

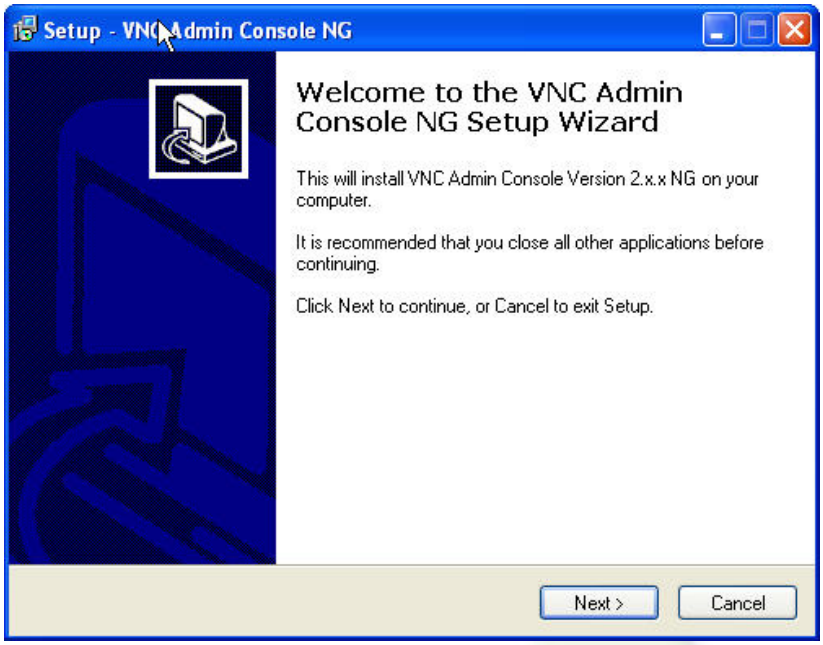
VNC Admin Console

VNC Admin Console supports VNC, Microsoft Terminal Services, Telnet, and other remote access methods, with the ability to add custom applications. VNC Admin Console is a powerfull tool for managing VNC connections with ease. It works on Windows 2000/XP or higher. You can manage your computers by dividing them in different groups. With a simple doubleclick you will be able to create a connection to a VNC-server without entering a password (assuming the case, that a password is already stored in the database). A connection profile could be stored in the database so that you always could connect to a remote host with the correct vnc settings. Features include: Network scanner; External Program launcher; VNC Remote Installation; VNC Remote Password Set; VNC Remote Service STOP/START; and a VNC Portscanner.

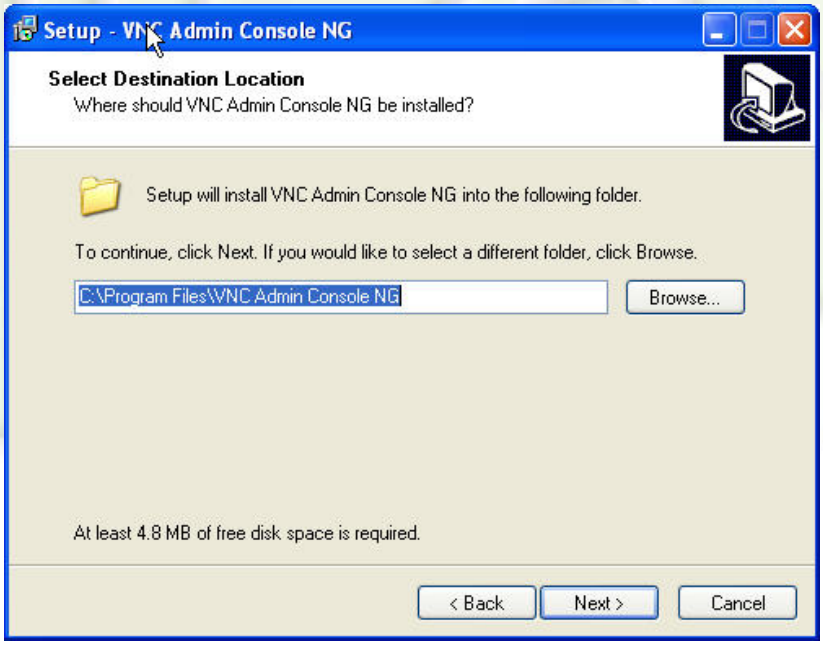
Step 1: Installing VNC Admin Console

Double check to make sure that VNC is already installed on the computer.

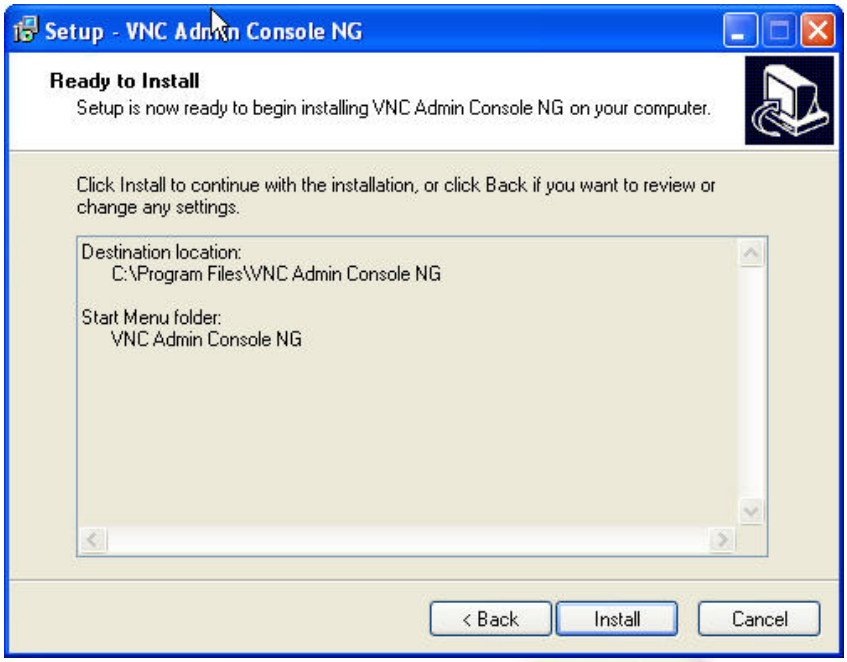
Double click on the setup file to launch the installer



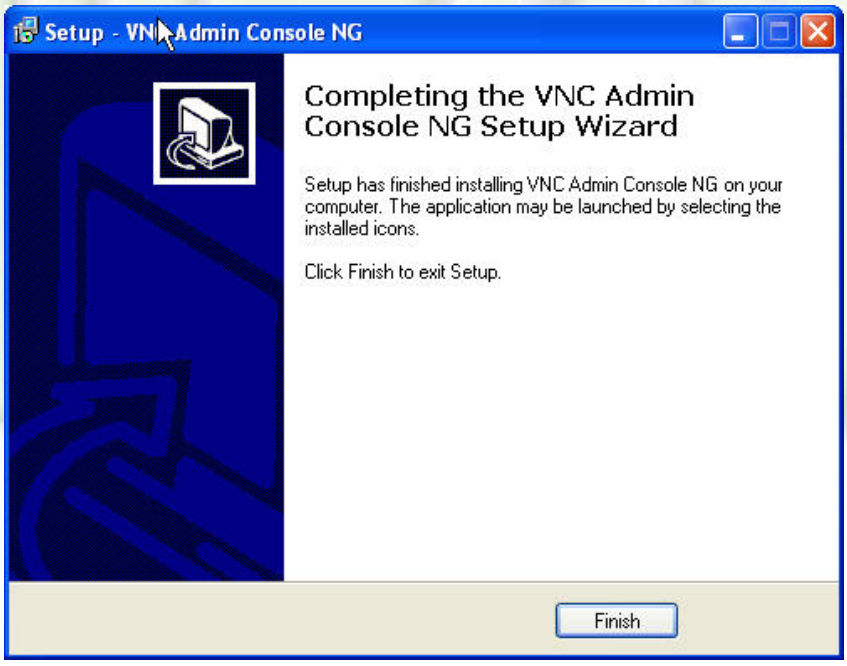
Click next to continue



Click next to accept the default install directory
Click next to accept the default program shorcuts
Choose the additional icons if you like and click next



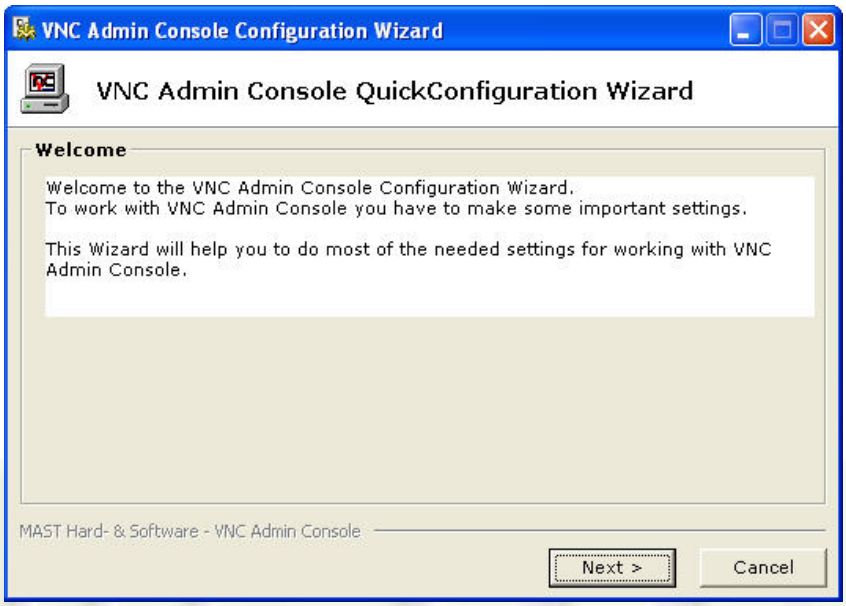
Click Install to continue



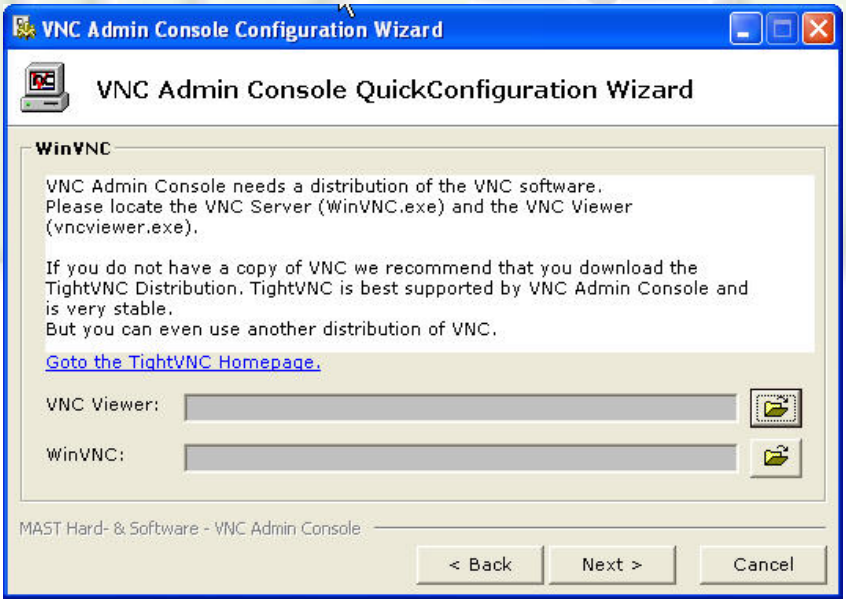
Click Finish to finish the installation

Step 2: VNC Admin Console Quick Configuration Wizard

Once the installation is completed, the VNC Admin console quick configuration wizard will automatically launch.



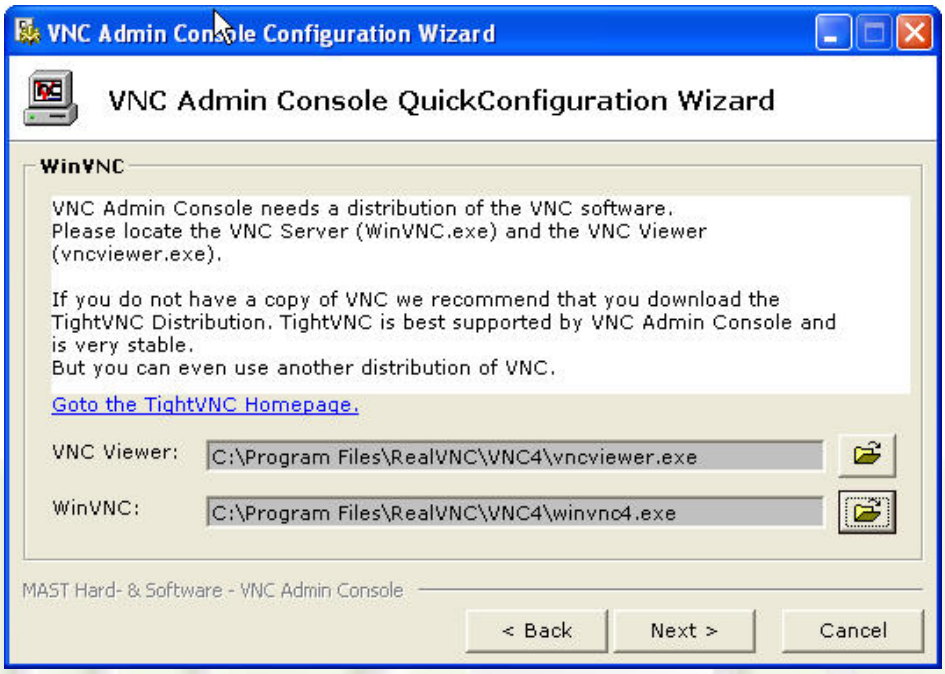
Click Next to continue



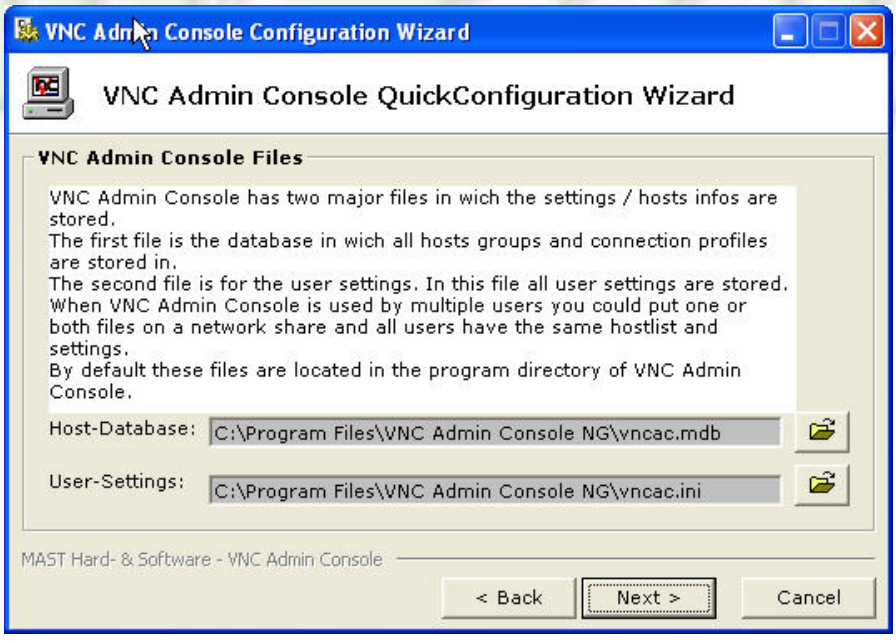
Check the path of the VNC Viewer and WinVNC. If the boxes are blank as above, click the open box on the right side and find the appropriate files as below. The default location for VNC

version 4.0 is…

VNC Viewer: C:\Program Files\RealVNC\VNC4\wncviewer.exe
WinVNC: C:\Program Files\RealVNC\VNC4\winvnc4.exe

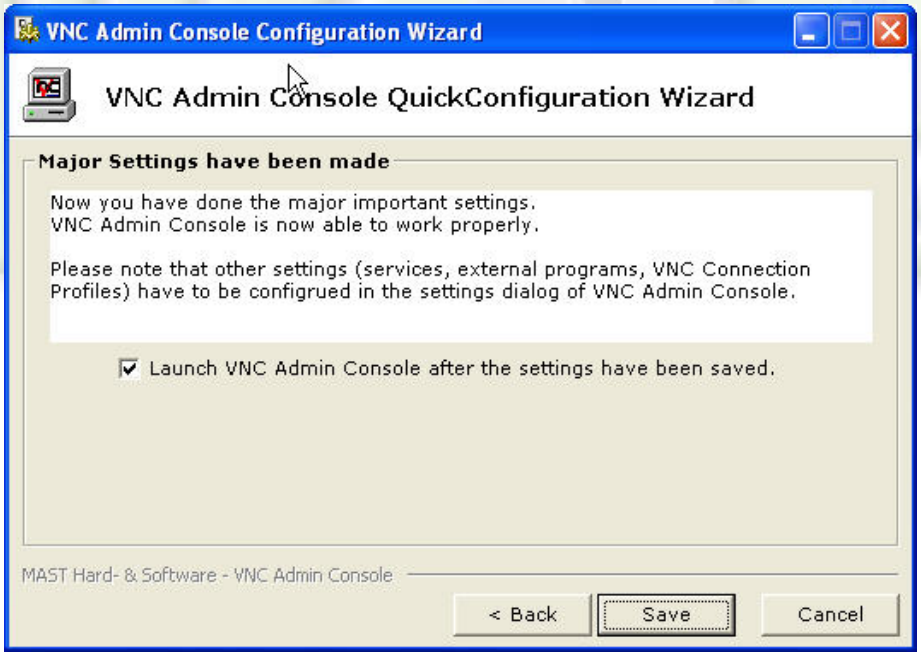


Once the file paths are listed, click Next
Click next again to accept the default location for the VNC Admin Console Files, as below



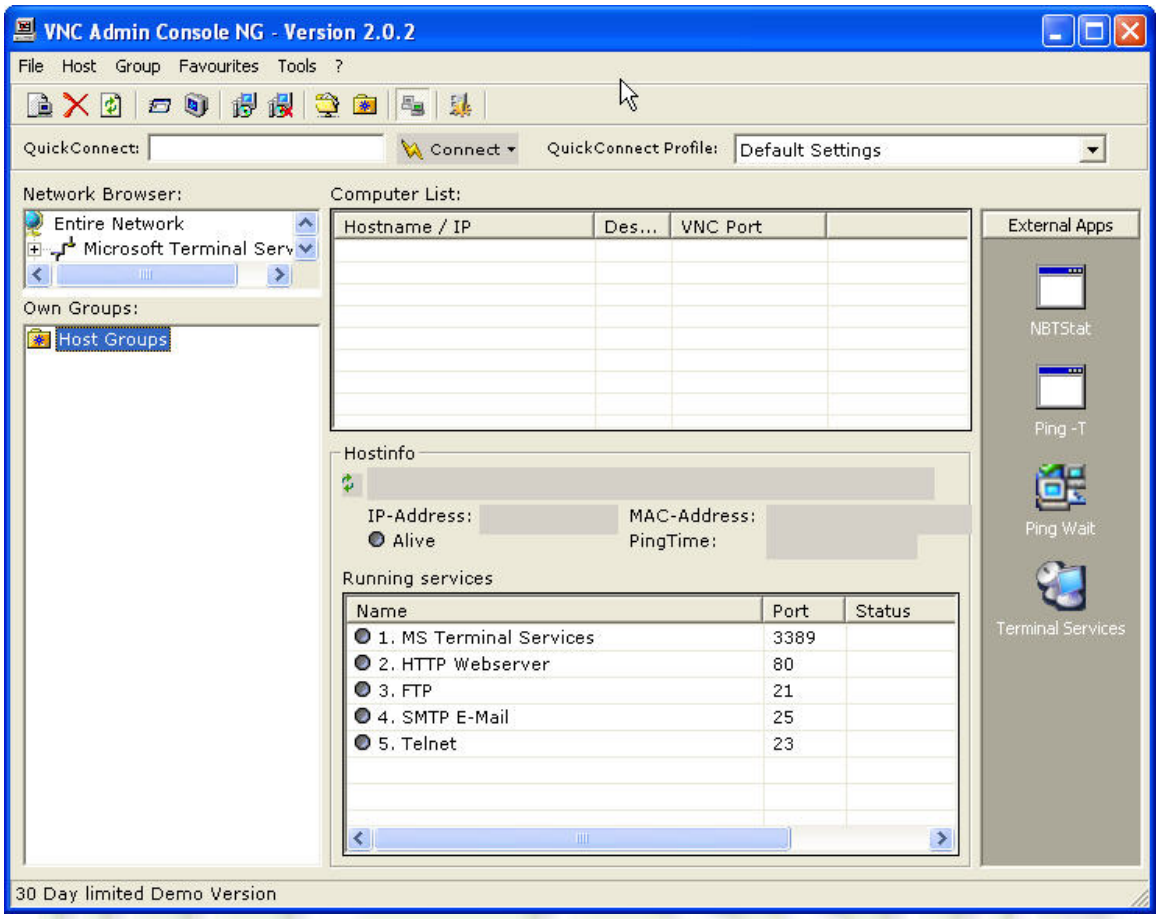
Leave the Windows Authentication blank, as it is not needed for this lab, click next to continue.

Click Save at the final screen to save your settings and launch VNC Admin Console.



Step 3: Launching VNC Admin Console

Launch the VNC Admin Console from START, All Programs, VNC Admin Console NG, VNC Admin Console NG.

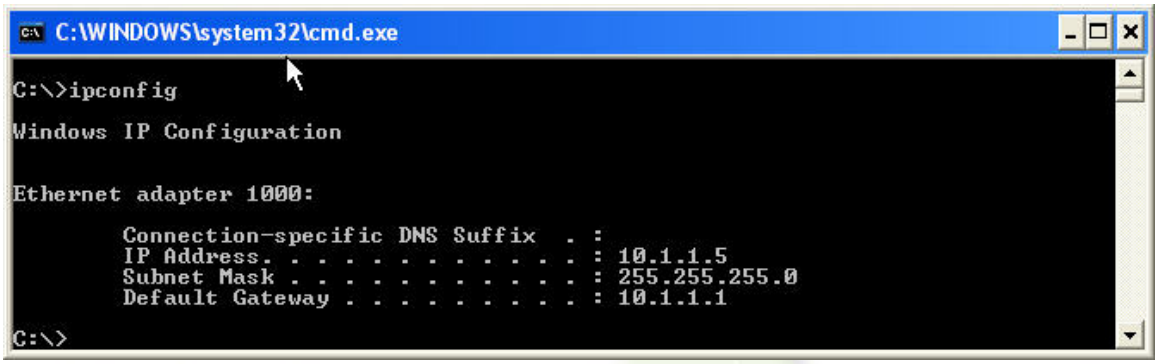


VNC Admin Console has management tools for VNC, Microsoft Terminal Services, HTTP Web servers, FTP, SMTP E-mail, and Telnet.

First, to start you must add computers to the computer list. You can manually add known VNC servers to the list, or you can use the Scan network for VNC servers option. VNC Admin Console has a built in port scanner to scan your LAN and automatically find and add any computers with the VNC server running to your computer list.

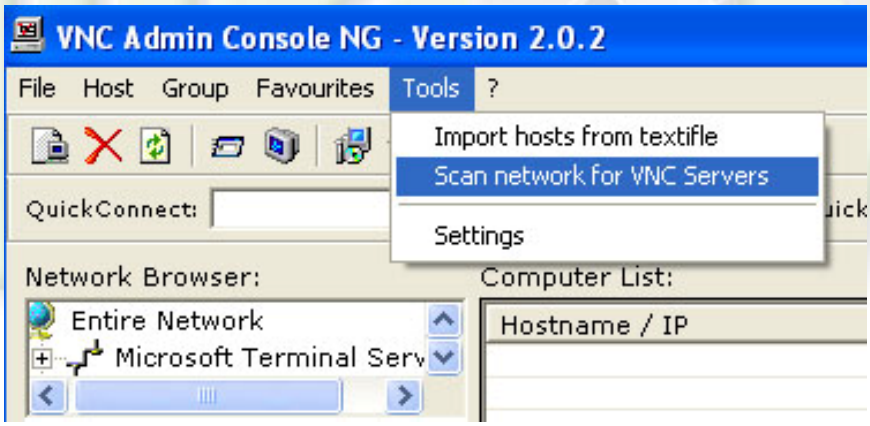
Step 4: Running the Network Scan

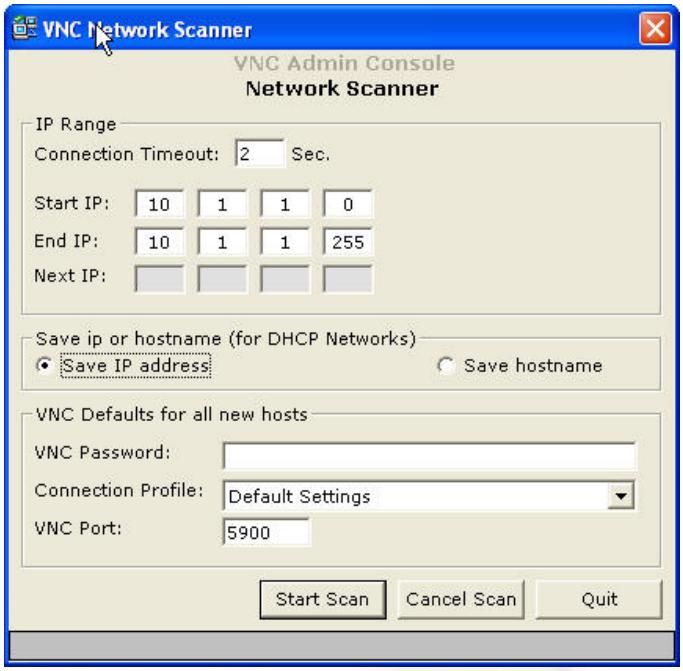
First you must find the IP network that you computer is connected to. From START, Click Run, and type ‘cmd’ and press enter to open a command prompt. At the prompt type ‘ipconfig’ to check you IP address.



In the example above, the IP address of 10.1.1.5 with the subnet mask of 255.255.255.0 belongs to the 10.1.1.0 Network.

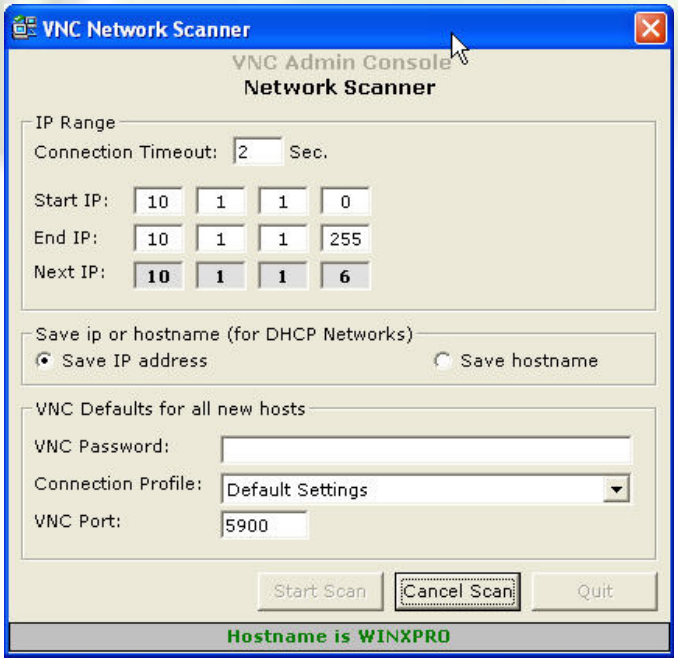
Next, From Tools, click Scan network for VNC servers





From the Network Scanner dialog box, enter your IP Network information in the boxes. The start IP should be 0, and the End IP should be 255 in order to scan the whole network. The IP addresses used depend on the output from your ipconfig output from the previous step.

Click Start Scan after the information has been added.

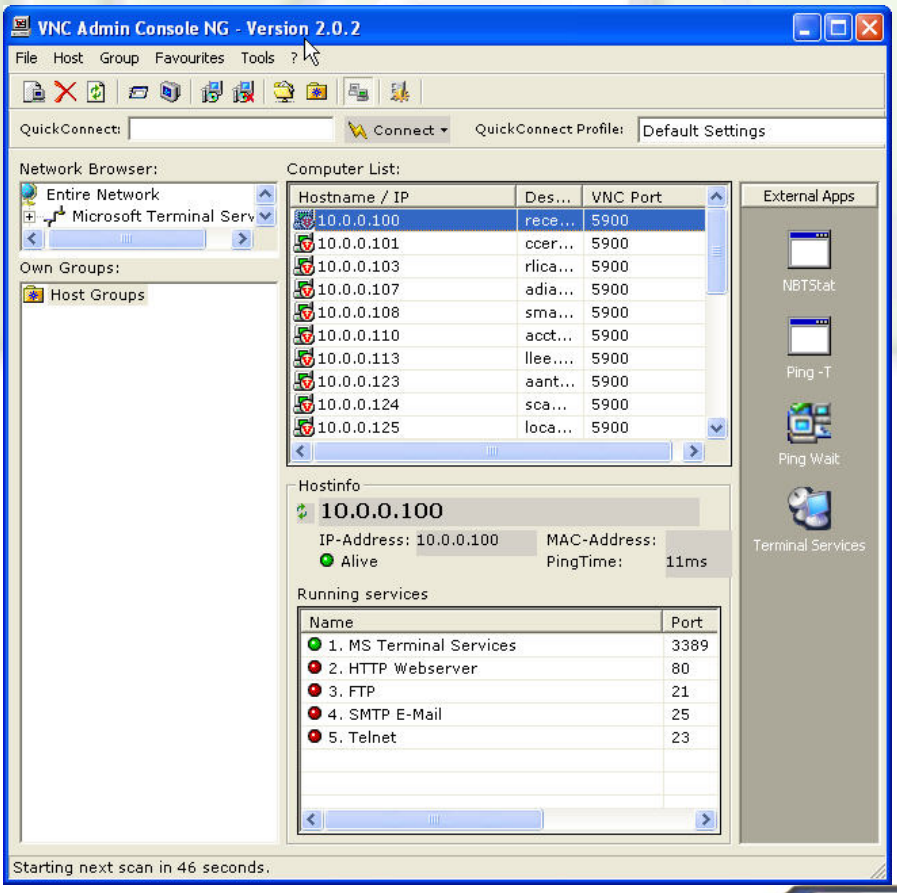


You can watch the scanner work, the bottom line in grey shows you the current status of the scanner.

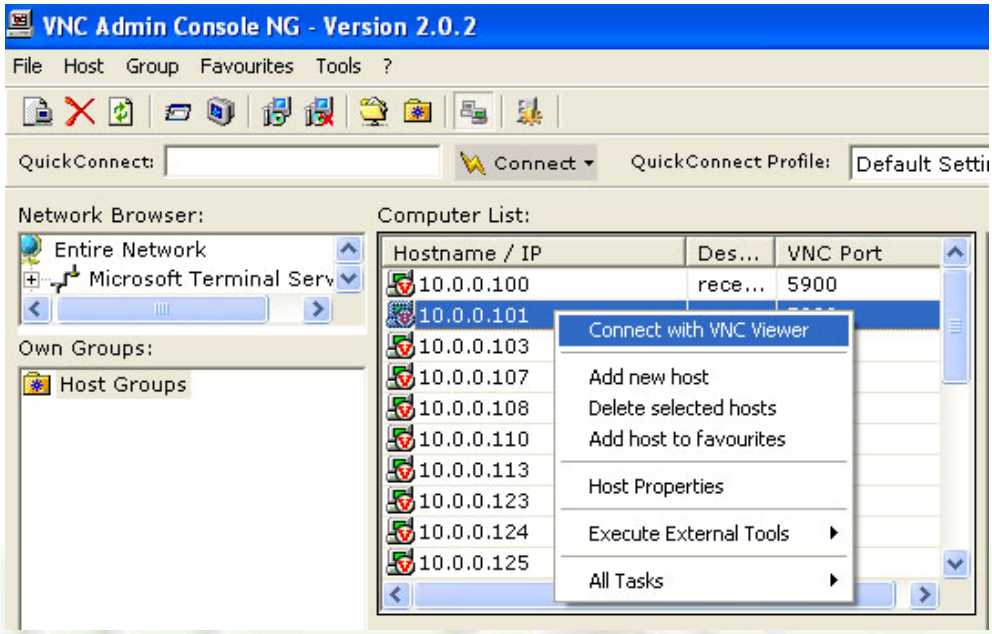
Click OK when finished, and then quit on the VNC Scanner

Step 5: Connecting to remote computers using the VNC Admin Console

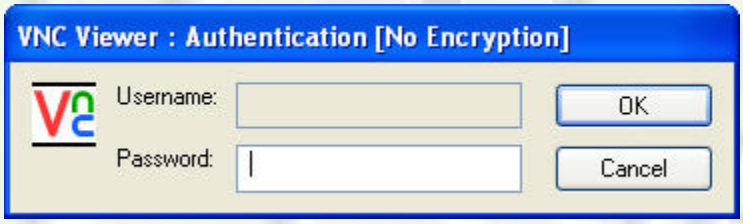
After running the Network scanner, the VNC Admin console should have added all VNC servers found to the Computer list, as below

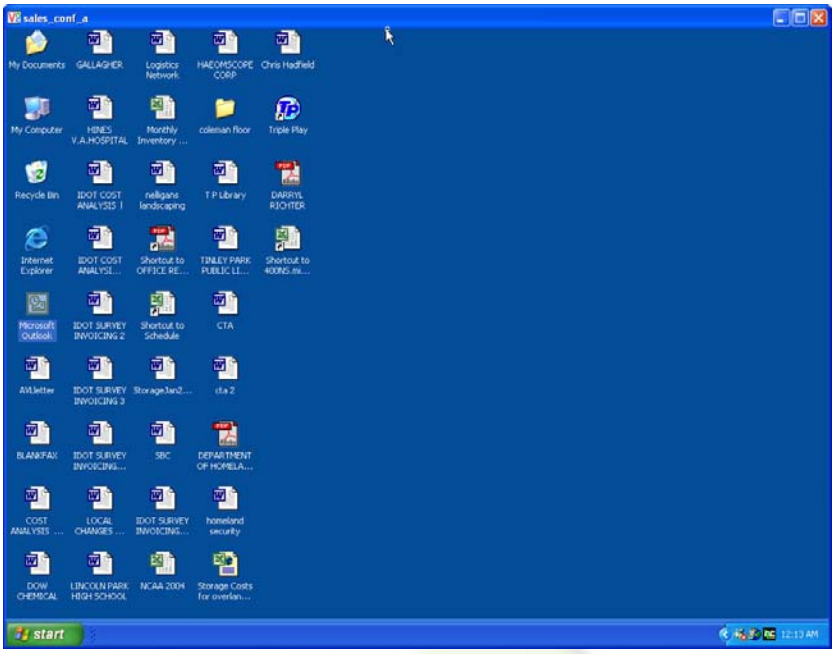


To conncet to a computer on the list, Right click the node, and click Connect with VNC Viewer, as below.



Enter the remote VNC password as below, and click OK to connect to the remote computer.

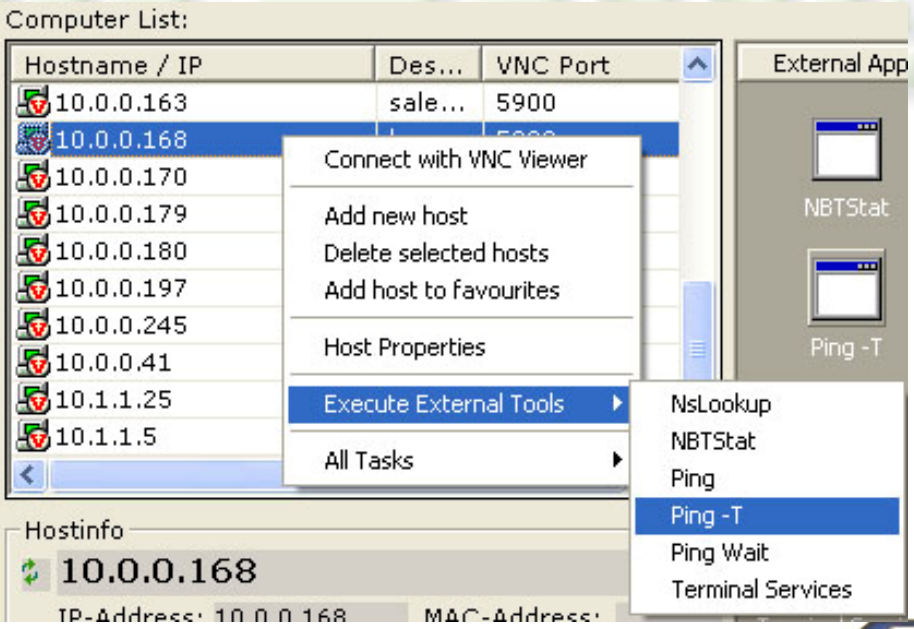




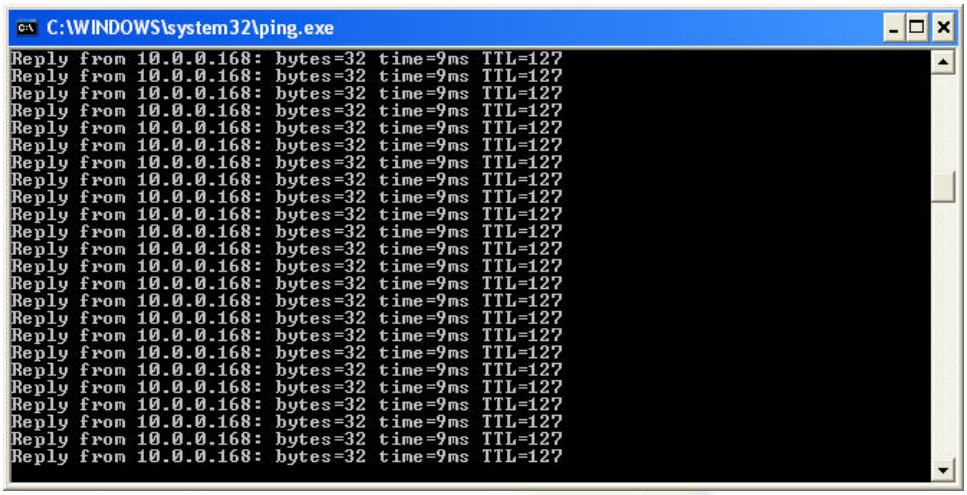
VNC should connect to the remote desktop as above. Click on the X in the top right corner to end the VNC session.

Step 6: Using other VNC Admin console features

From the Computer list, choose a remote node, right click and choose Remote External Commands. From this list, choose PING –T.

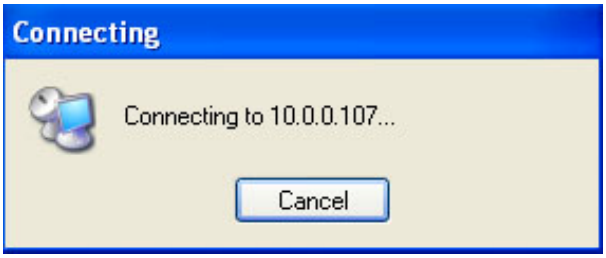


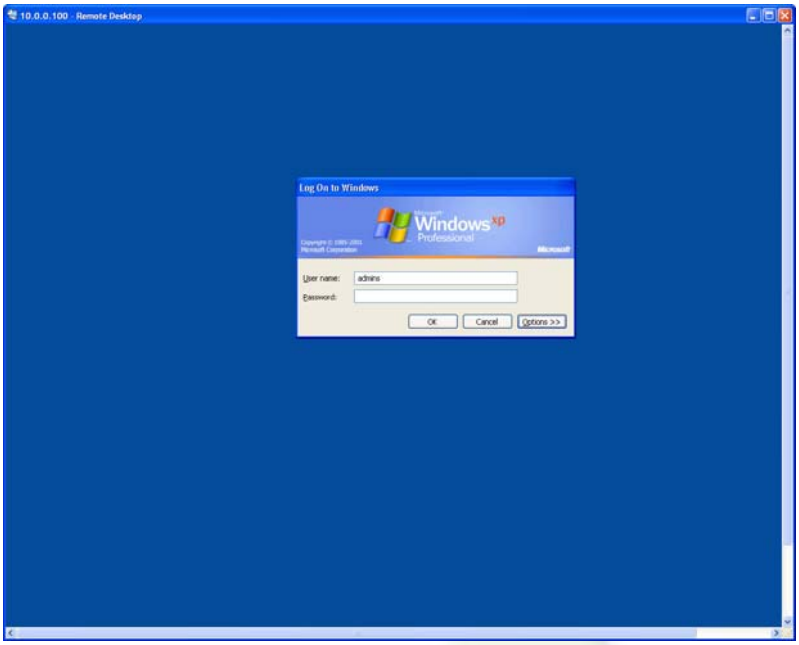
A command prompt box will open and execute the PING –t command, as below. Once executed, click on the X to close the command.



From the computer list, click on any node. VNC Admin console will scan the node for MS Terminal Services, HTTP Web services, FTP, SMTP, and Telnet. If any of the following are found, a Green dot will be on the left side of the Running Services box under the Computer list. If the service is not available, the dot will be Red.

From the Computer list, choose a remote node, right click and choose Remote External Commands. From this list, choose Terminal Services. If Terminal services are installed on the remote computer, a Remote Desktop connection will be launched.





Click on the X in the top right corner to end the remote desktop connection. Close the VNC Admin Console.

Analysis

1) For which applications is the VNC Admin Console best suited?

2) After working with these utilities, what about VNC Admin console do you feel you should study further? Why?

3) Why would you use VNC Admin console in a LAN environmet?

Summary Discussion

A classroom discussion should follow the lab. Review the lab questions and your analyses as a group. Share your experiences and knowledge with the class.

If You Want To Learn More

Check the VNC Admin Console manufactures web page at

http://www.mast-computer.com/

Appendix:

This lab was developed using VNC Admin console Version 2.0.2, which can be obtained from,

www.download.com

Search for VNC Admin Console in Windows. Version 2.1.1 is the latest release.

The OS environment for this lab was Windows XP Professional, Version 2002, Service Pack 2 (8/04).