



10ZiG Technology Ltd.

Linux VDI

v9 Configuration Guide

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PRODUCT DESCRIPTION

The 10ZiG VDI Series of thin clients provide a powerful, simple, and affordable solution to virtual desktop computing. The 10ZiG Ethernet Linux VDI terminal offers the very best connection brokers available for a LAN environment.

10ZiG thin clients are simple to configure either locally or remotely using the 10ZiG manager which enables the following tasks:

- Complete terminal configuration from a central location
- Shadowing of the user's desktop using VNC
- Backup and Restore of thin client image
- Templates to clone user environments
- User lock-out from configuration changes, keeping the cost of ownership down
- Control over which applications can be run on a particular thin client

INTRODUCTION TO CONFIGURATION

The 10ZiG VDI thin clients support three modes of operation

WBT – Windows Based Terminal (supporting full-screen only) - **default**

Desktop – Windows XP look & feel

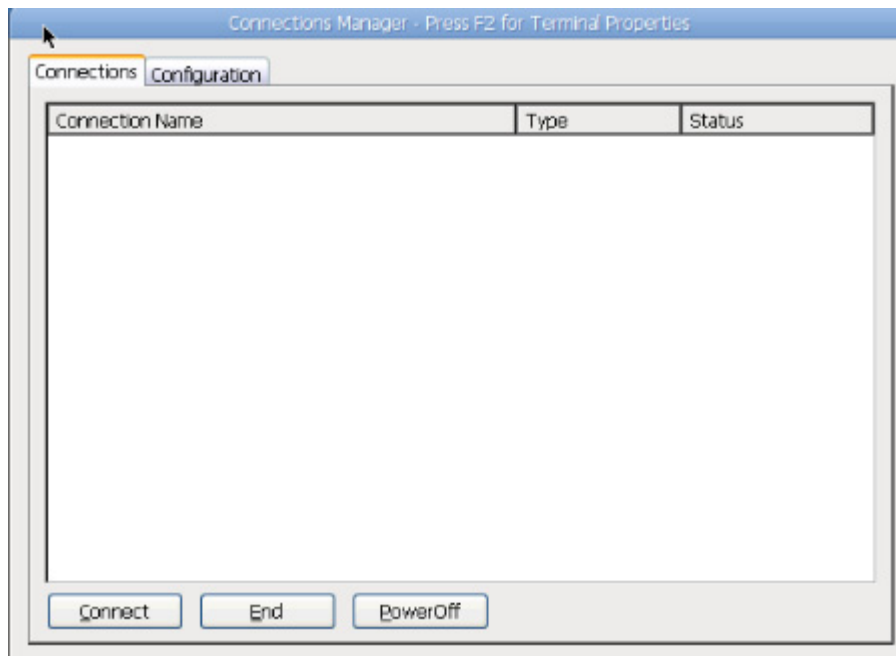
KIOSK – Restricted desktop that limits access to a specific connection.

CONFIGURING THE VDI THIN CLIENT

The VDI thin client is set to use DHCP and will boot directly into the Connections Manager.

To Set the IP address - Press F2 to access Terminal Properties

Choose the Control Panel Tab and select the Wired or Wireless option to configure



The Terminal Configuration Utility is divided into a number of functionally distinct tab pages as described in the following pages.

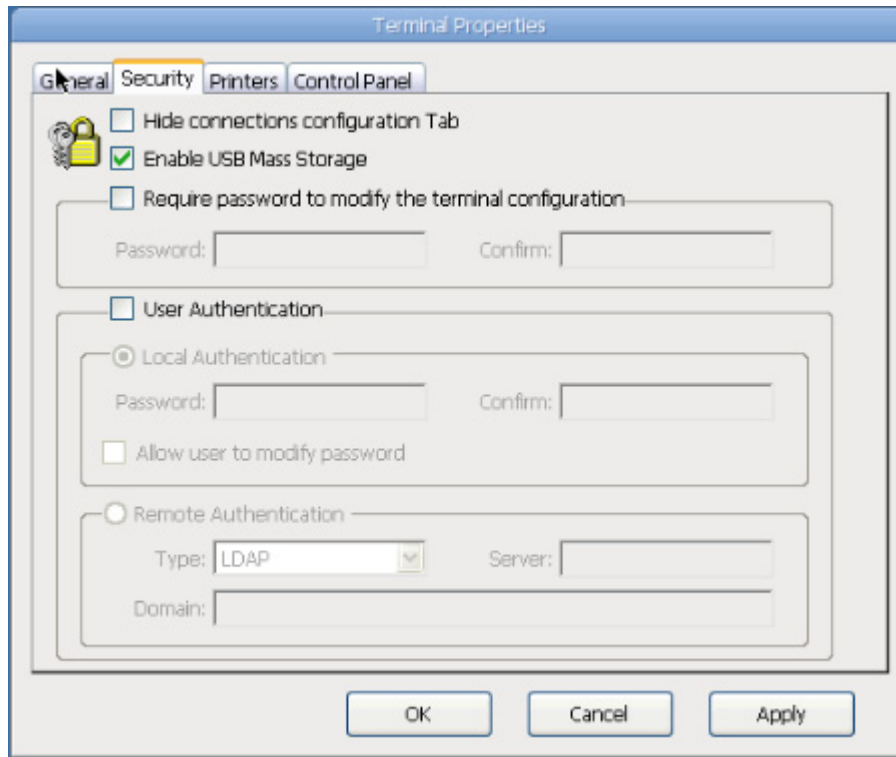
Terminal Properties - General Tab

The **General** tab page displays the firmware revision as well as the Thin Client hardware configuration.

Checking the **Restore the terminal parameters to factory default** will reset all terminal parameters to the default state. Factory defaults can also be reset from the terminal itself by pressing SHIFT-CTL-ALT F or from the 10ZiG Manager by right clicking on the unit and selecting Configuration - Reset to Factory Default.



Terminal Properties - Security Tab



The Security configuration allows the administrator to control access to the various terminal functions and configurations.

Selecting the **Hide connections configuration Tab** will hide the Terminal Connection Configuration utility from the user.

The **Allow Shadowing View Only** and **Allow Shadowing Full Control** allows the administrator to enable shadowing from the remote administrator – 10ZiG Manager - running on another Windows machine on the LAN. Shadowing uses VNC client from the 10ZiG Manager to view or control the terminal. This is useful if the administrator needs to remotely monitor the terminal activity, or take full control of the terminal from a remote location.

The **Require password to modify configuration** allows the administrator to specify a password in order to reconfigure the terminal. If this password has been set and then lost, a factory default reset using **SHIFT-CTL-ALT and F** is the only option to clear it

User Authentication is used to force a user to logon to the thin client locally with a password - the option also allows for the user to modify the local password if selected. Remote Authentication through Configuration Server is used for LDAP Windows domain login.

Terminal Properties - Printers Tab

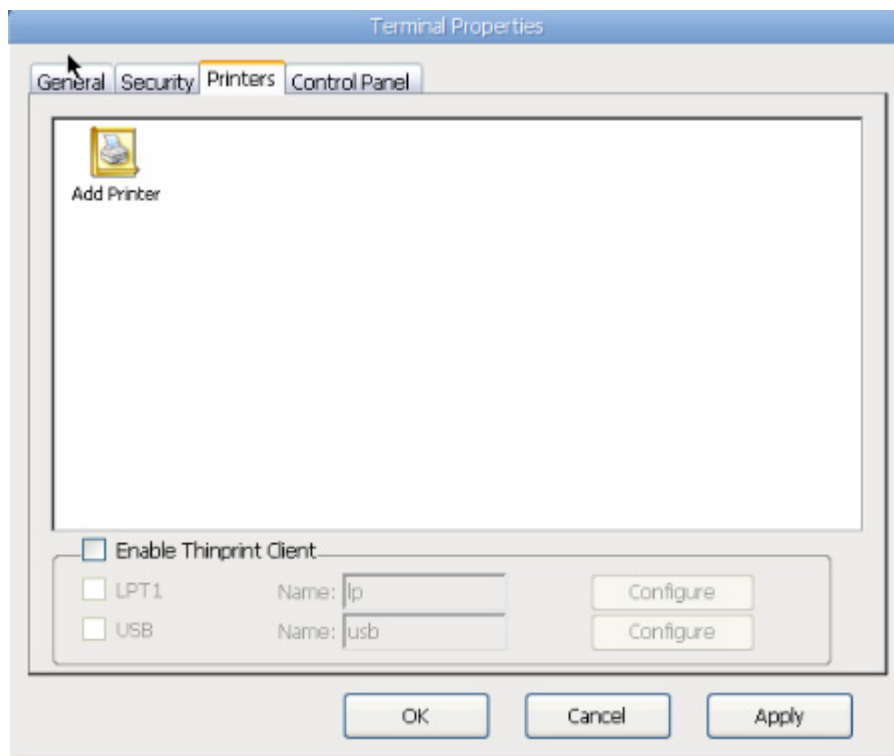
The Printer configuration allows you to configure the printing functions of the Thin Client terminal to be used when printing locally on non VDI builds such as printing through programs such as Open Office. This is also used when sharing the printer in a network environment.

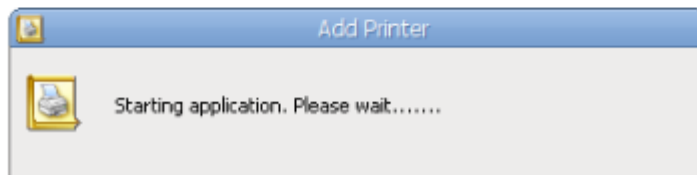
NOTE: When using brokers such as VMware View, you do not need to configure the attached printer in this area as it will auto detect on the VM via the USB redirection feature.

The RBT-VDI thin client support CUPS, a common UNIX printing system. It is aimed at providing a common printing interface across a local network, masking differences among the printing systems on each computer. CUPS provides interactivity with SMB and Windows printers.

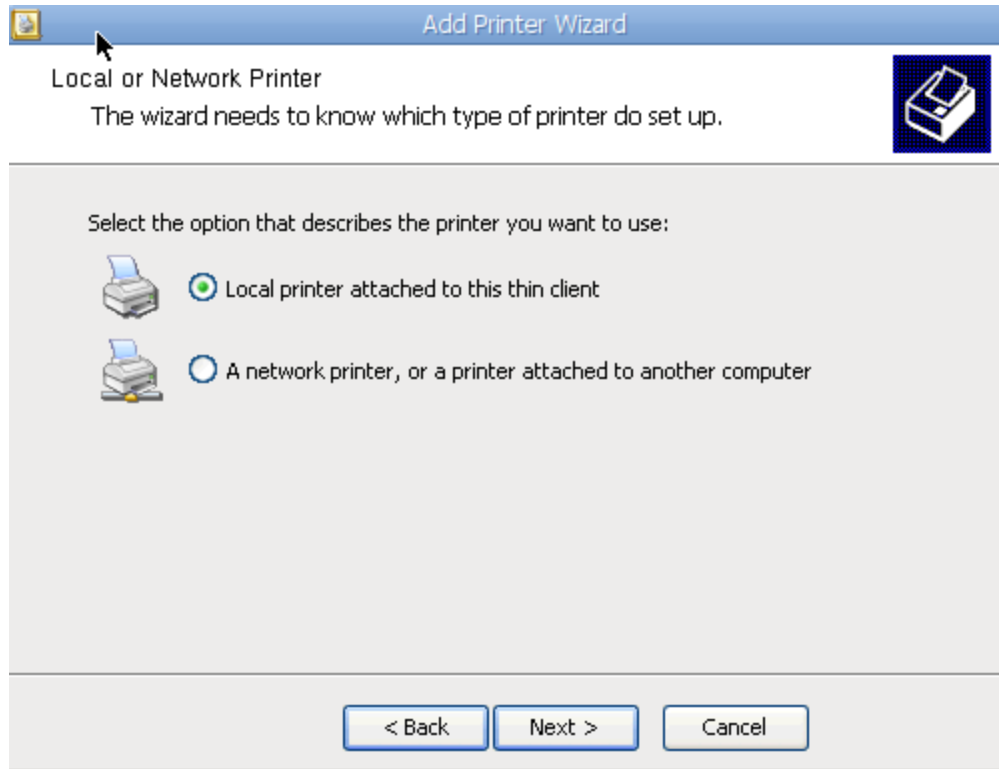
NOTE: If are using the Standard build and NOT the VDI build, 5250 and 3270 Printer sessions are configured totally separate from the printer configuration in Terminal Properties.

Select **Add Printer**:

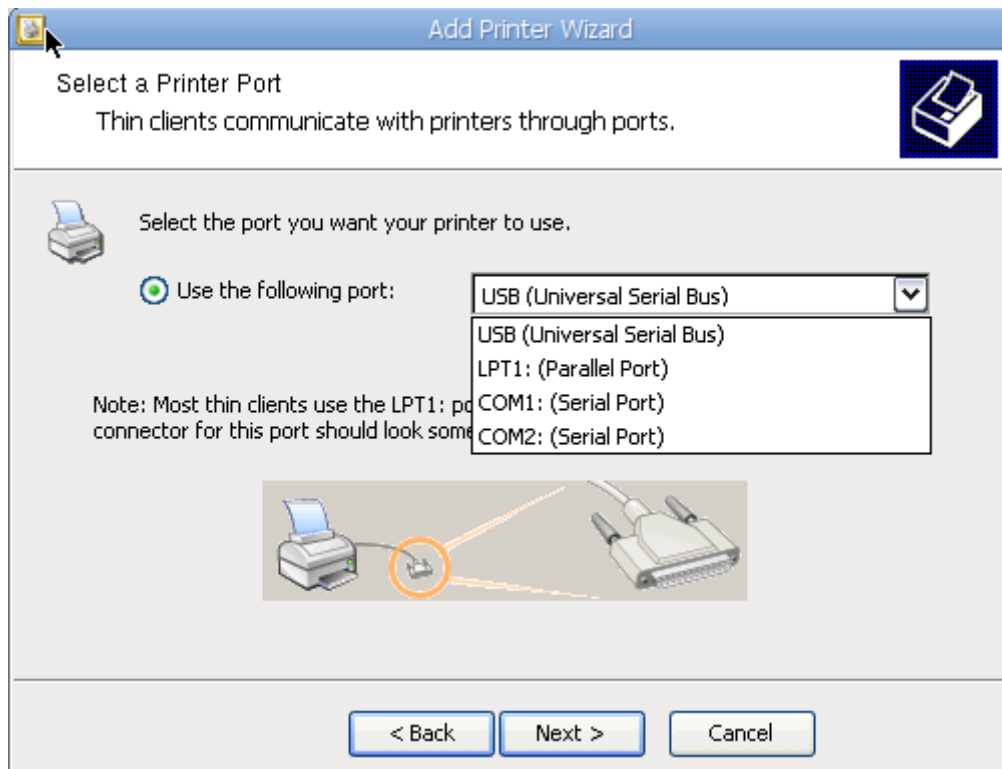




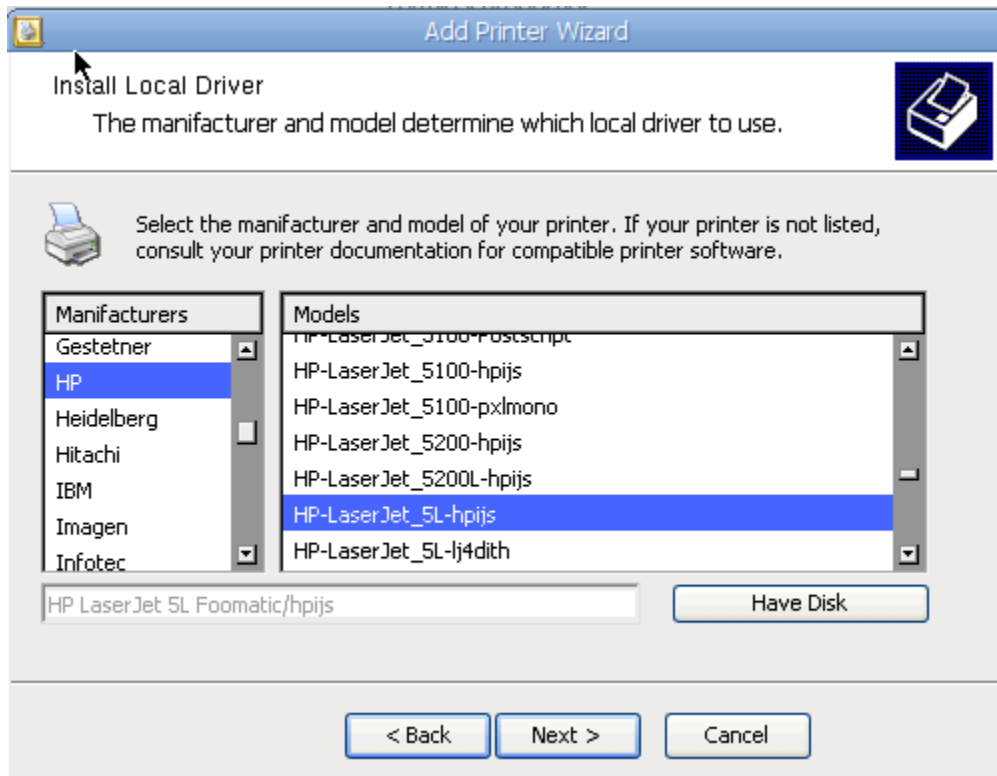
Adding a Local Printer



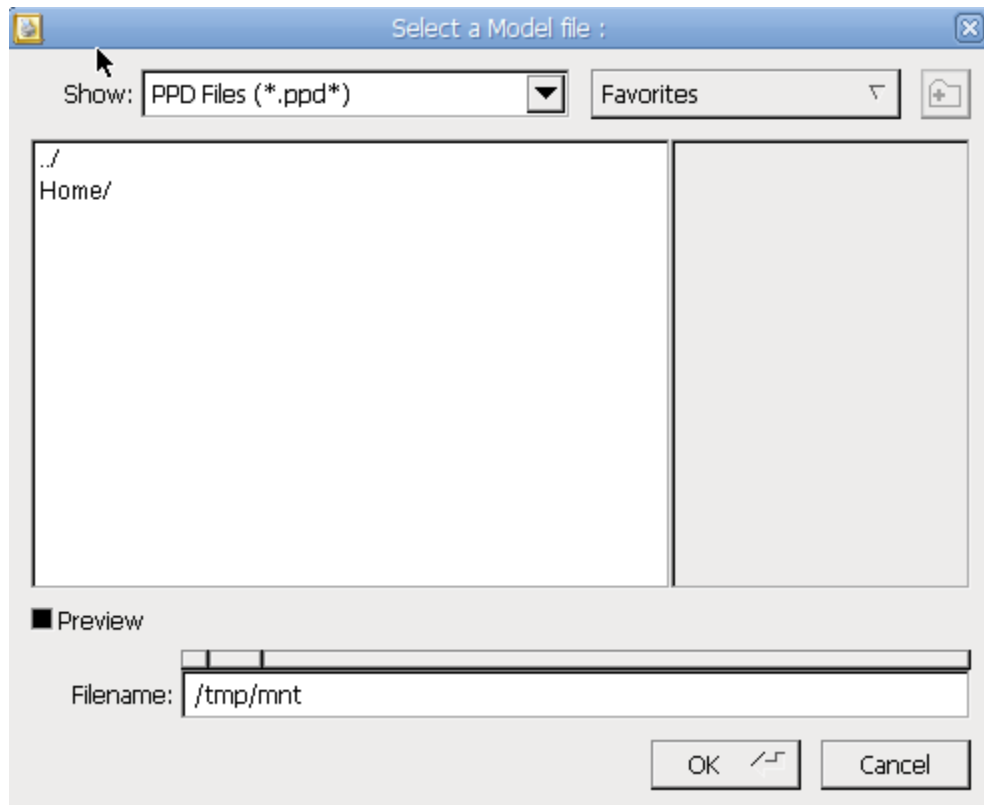
t

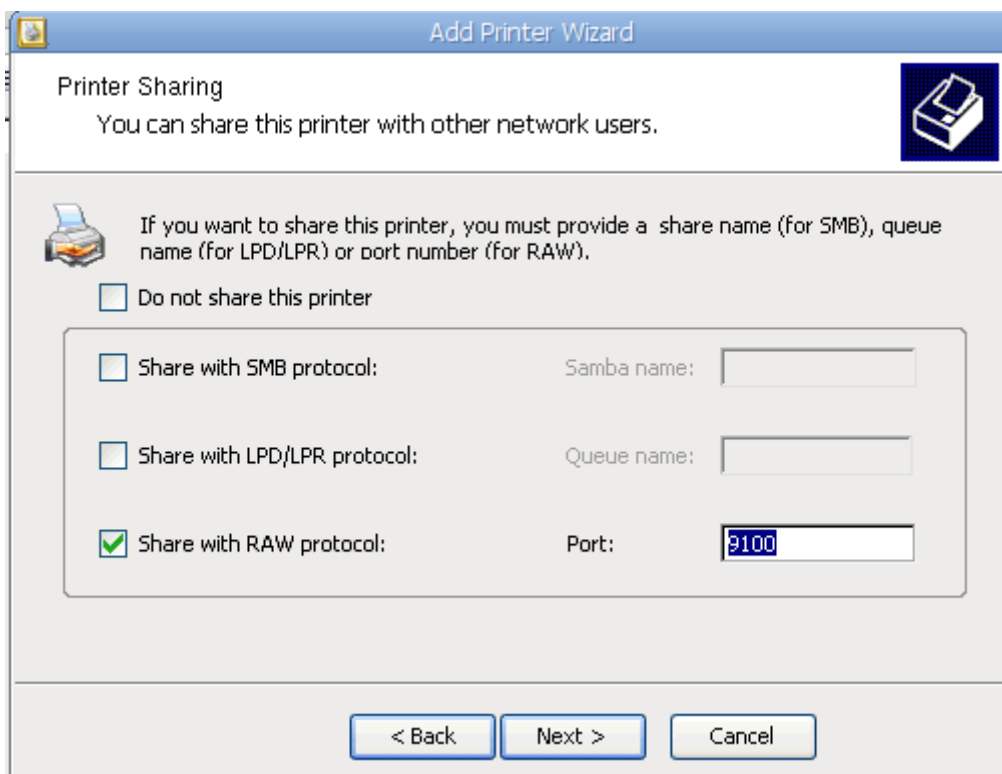
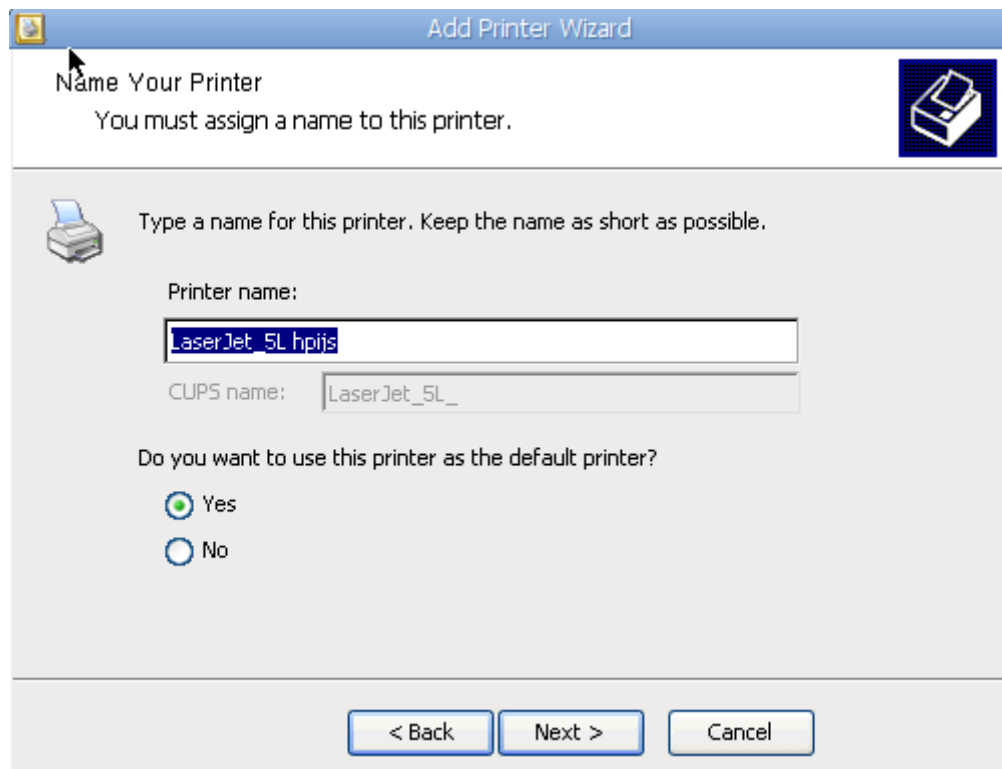


Although the unit may have multiple USB ports, only one USB printer connection can be defined.

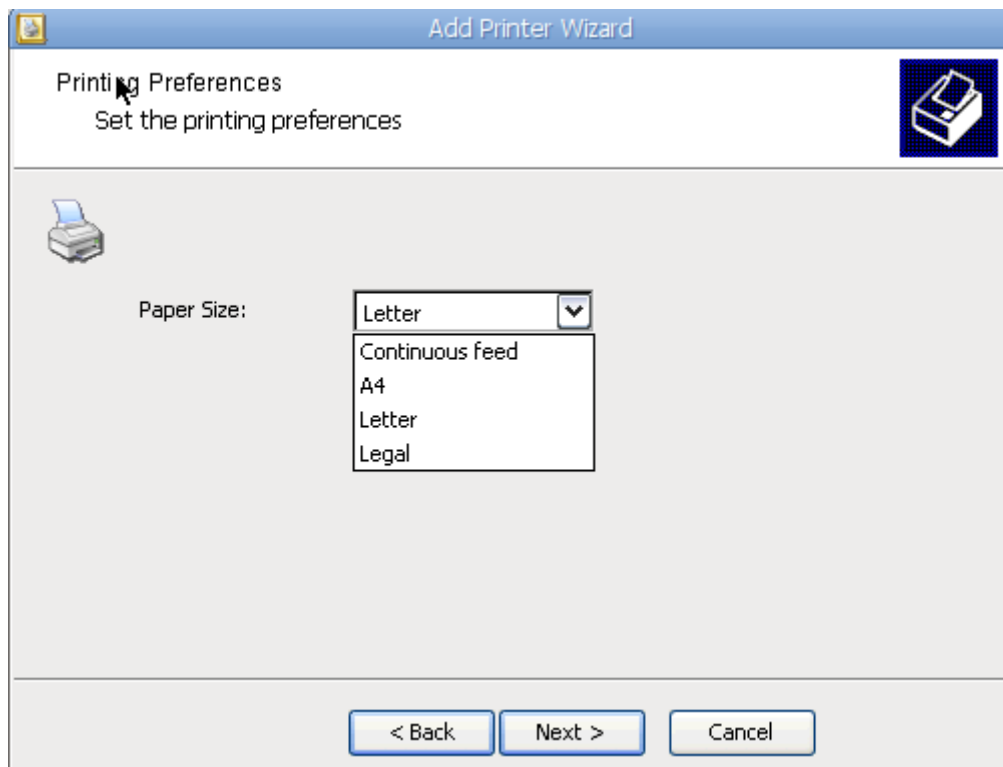
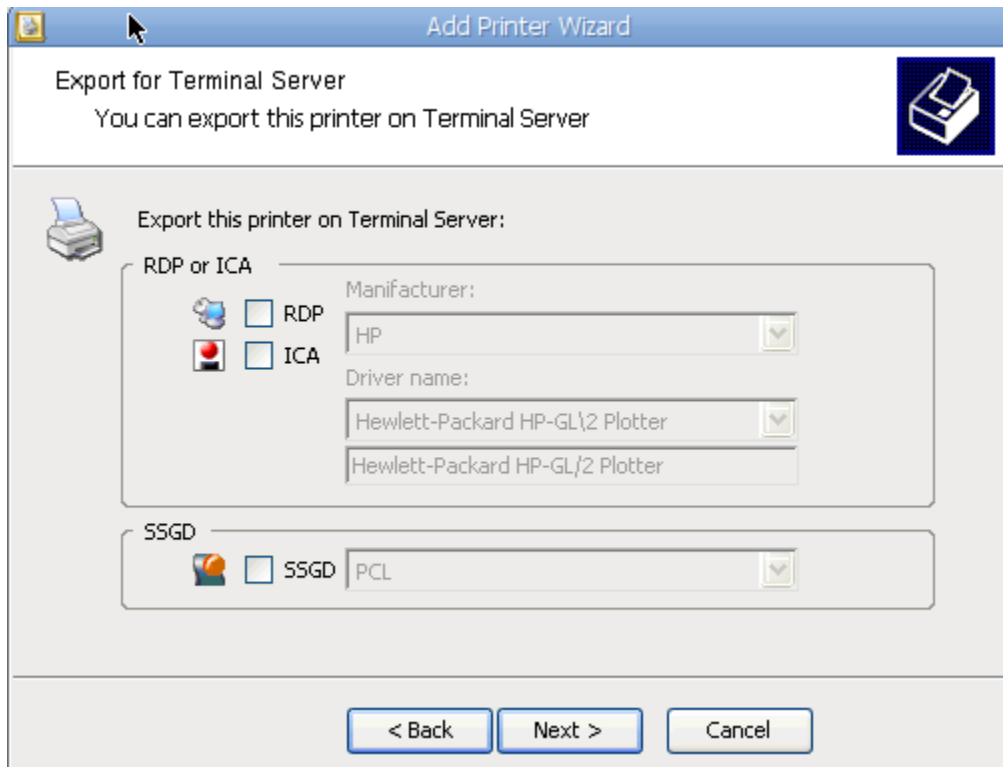


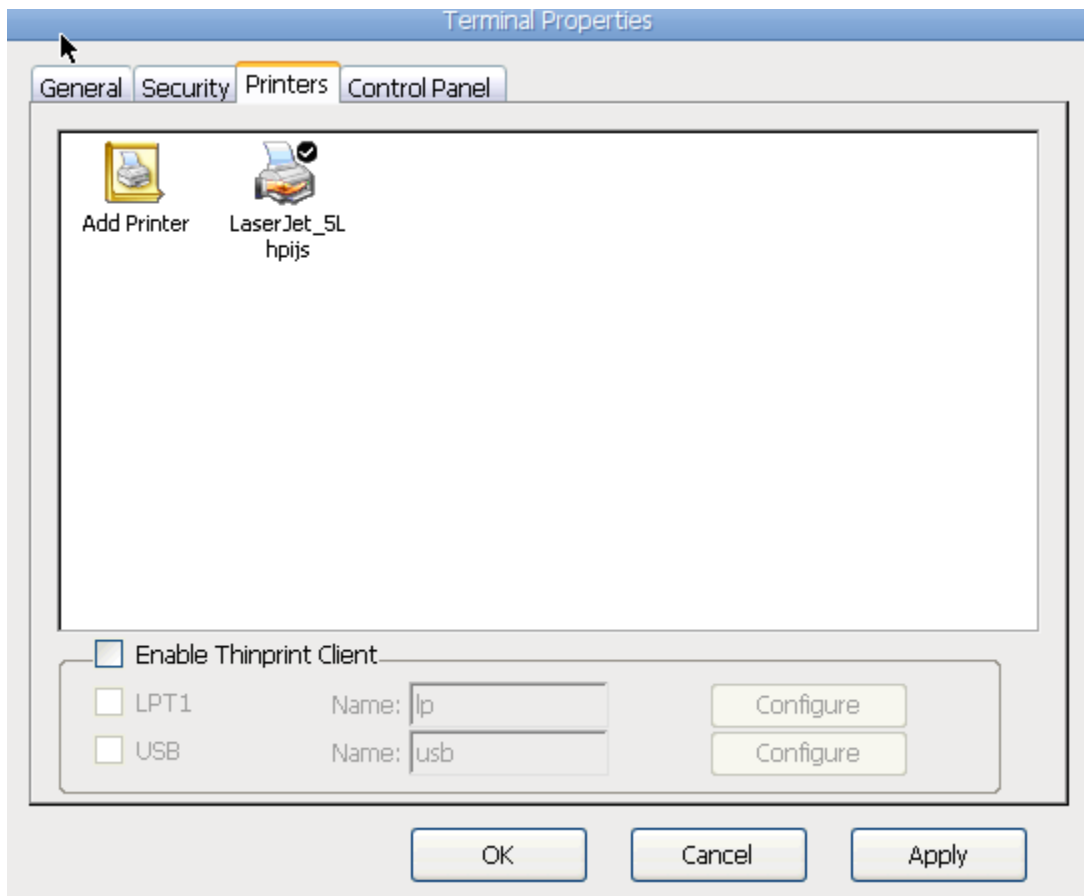
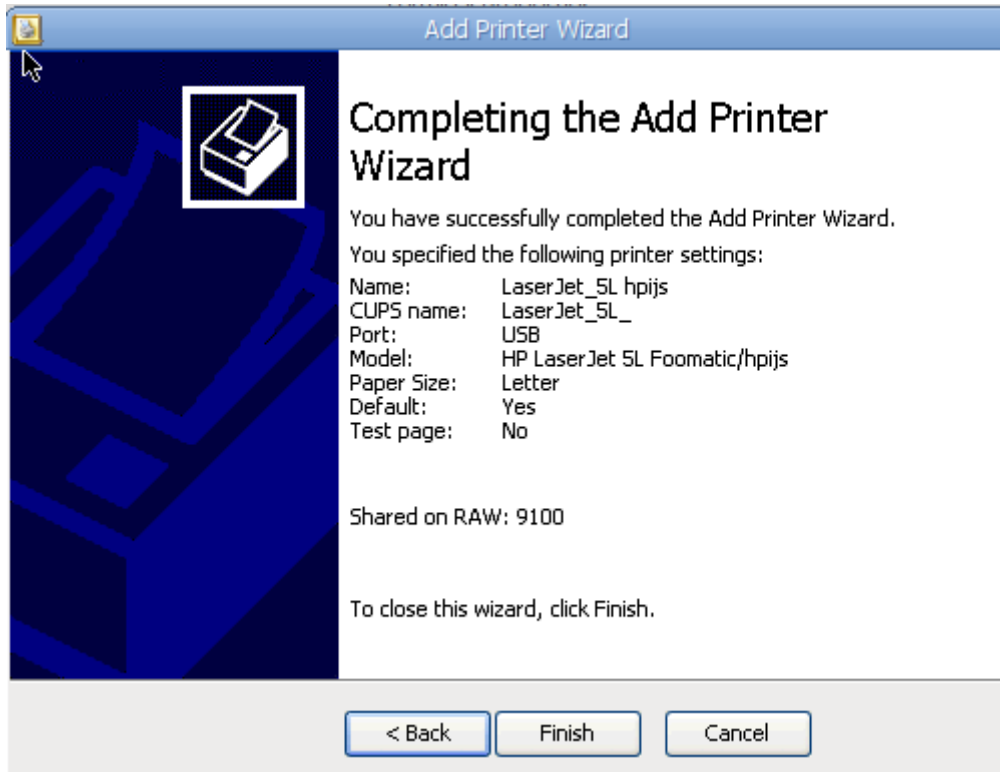
The image below would be displayed when Have Disk is selected.



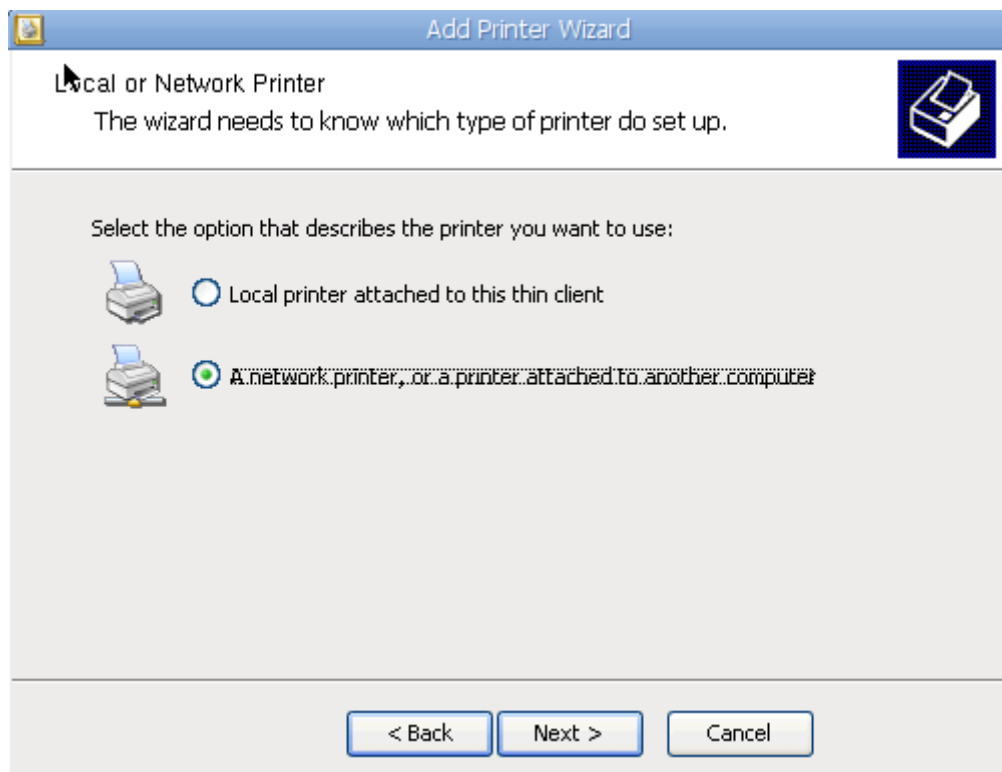


Queue name must be the same on the Printers tab and in the Network printer configuration.





Adding a Network Printer



Add Printer Wizard

Specify a Printer
If you don't know the name or address of the printer, you can search for a printer that meets your needs.

What printer do you want to connect to?

Connect to this printer (SMB protocol):
IP/Name: Printer name:

Connect to this printer (LPD/LPR protocol):
IP/Name: Queue name:

Connect to this printer (RAW protocol):
IP/Name: Port:

Add Printer Wizard

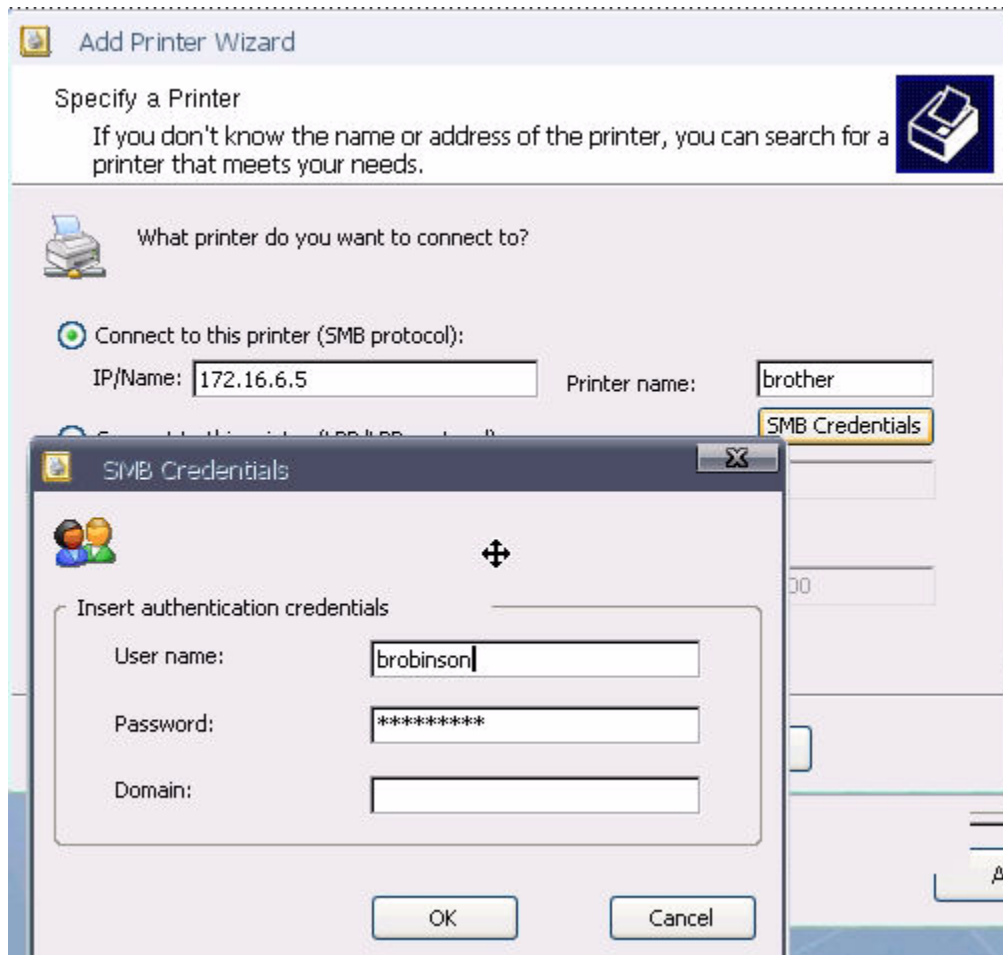
Specify a Printer
If you don't know the name or address of the printer, you can search for a printer that meets your needs.

What printer do you want to connect to?

Connect to this printer (SMB protocol):
IP/Name: Printer name:

Connect to this printer (LPD/LPR protocol):
IP/Name: Queue name:

Connect to this printer (RAW protocol):
IP/Name: Port:



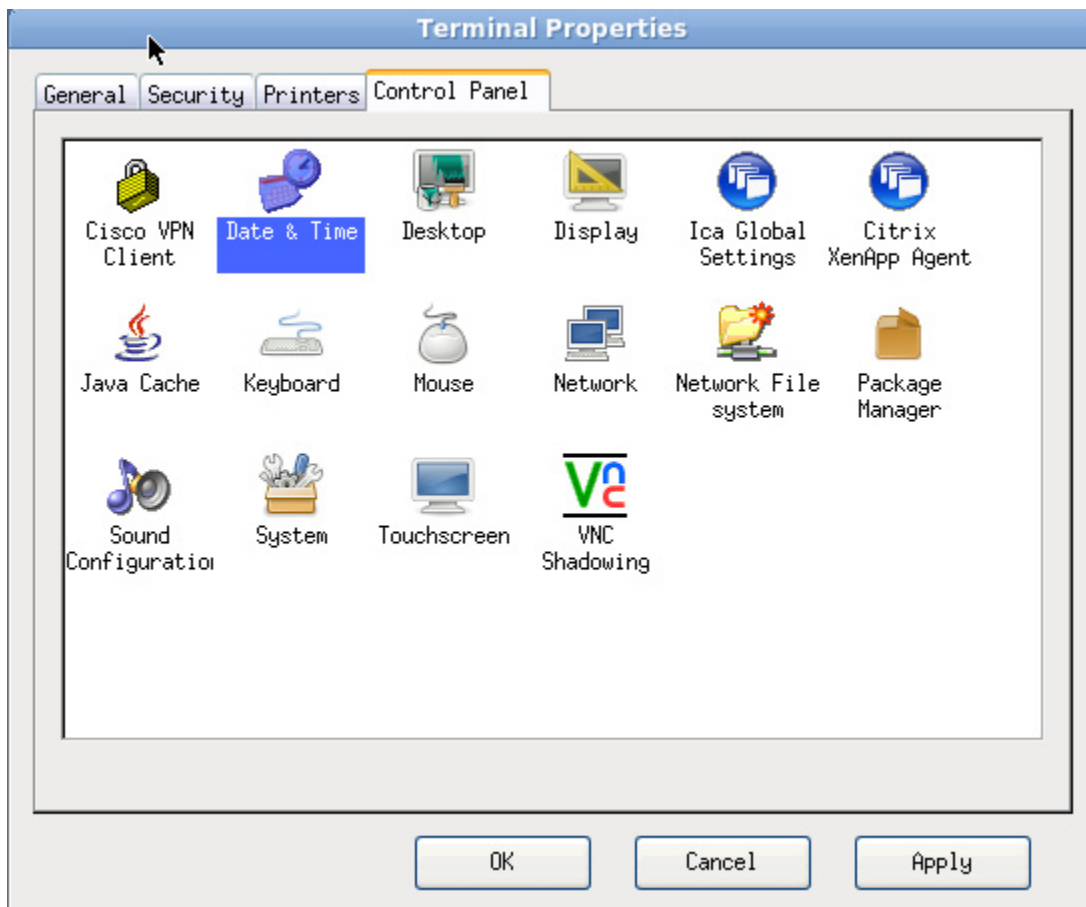
NOTE:

To print from a Windows PC to a printer attached to a Linux Thin Client proper steps must be taken on the Windows PC to take advantage of printing through Linux.

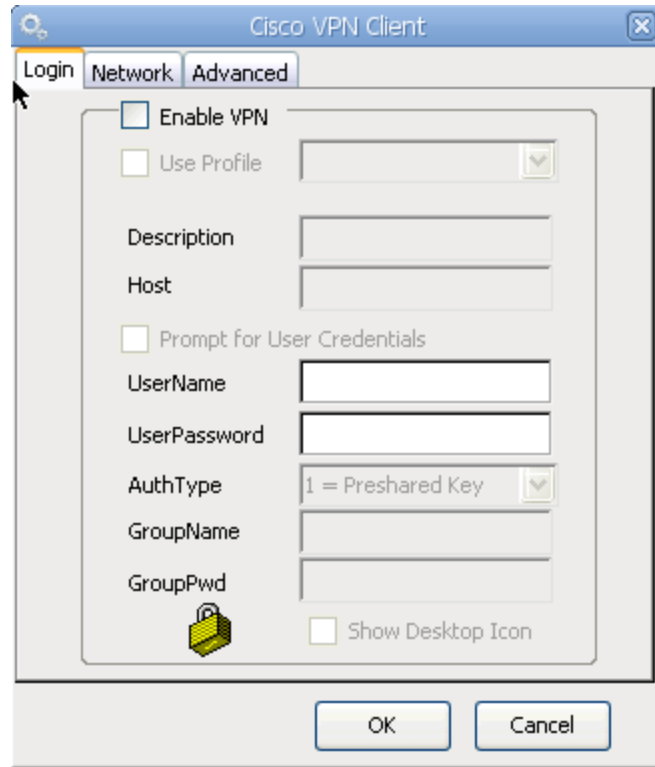
Terminal Properties - Control Panel Tab

The Control Panel configuration page allows the configuration of:

SNMP Agent Applet, Cisco VPN Client, System, Wireless, Wired, Display, Touchscreen, Mouse, Keyboard, Desktop, Network File System, VNC Shadowing, ICA Global Settings, Sound Configuration, Java Cache, Date & Time and Citrix XenApp Agent.

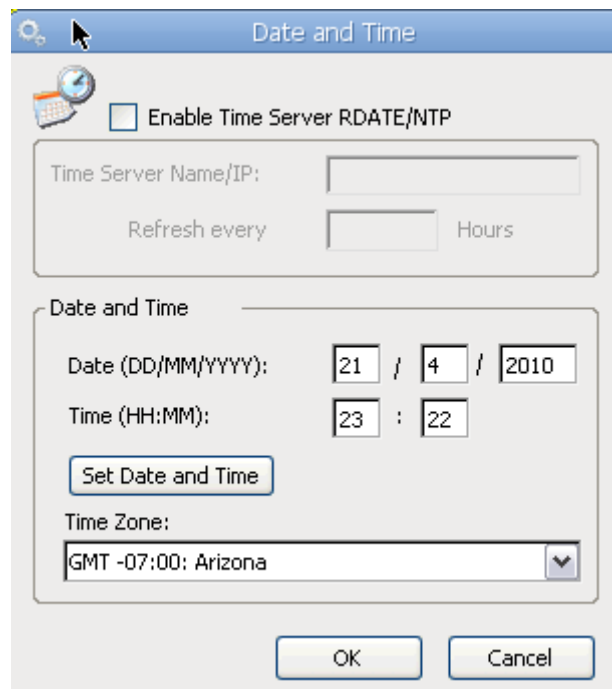


Cisco VPN Client



Date & Time

Check Enable Time Server RDATE/NTP and enter the time server full qualified domain name or IP to use the time server or set the date and time manually.

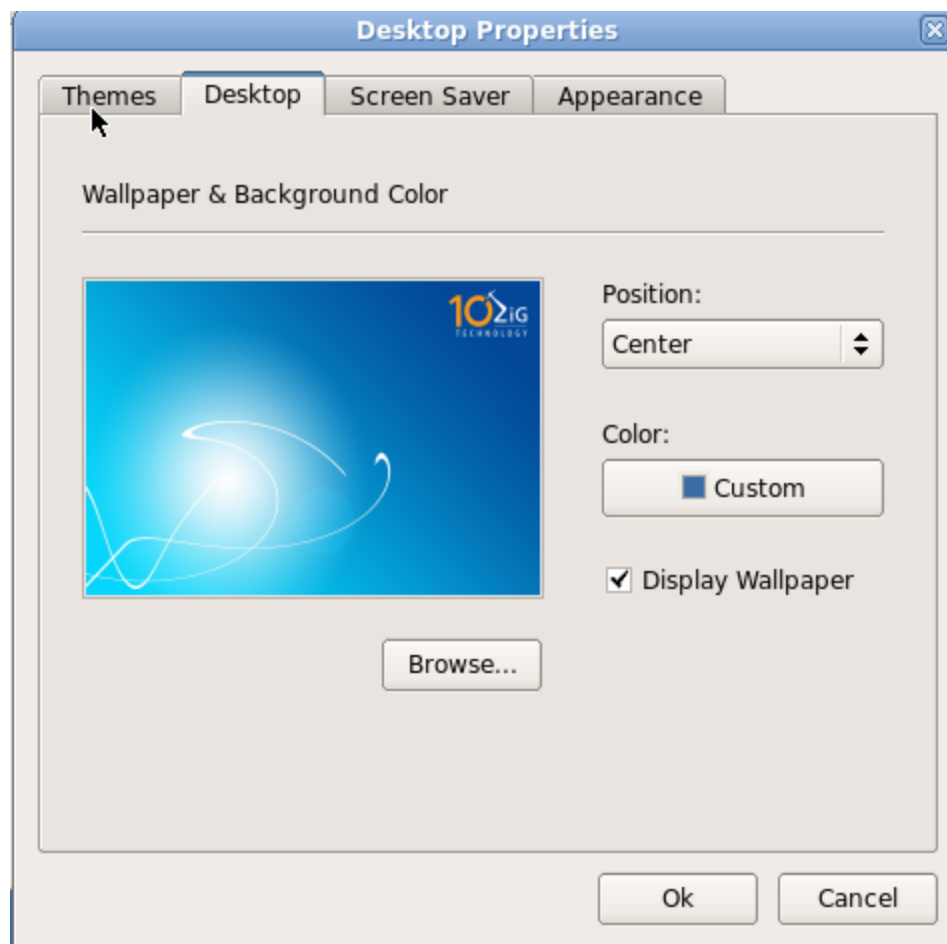


Desktop

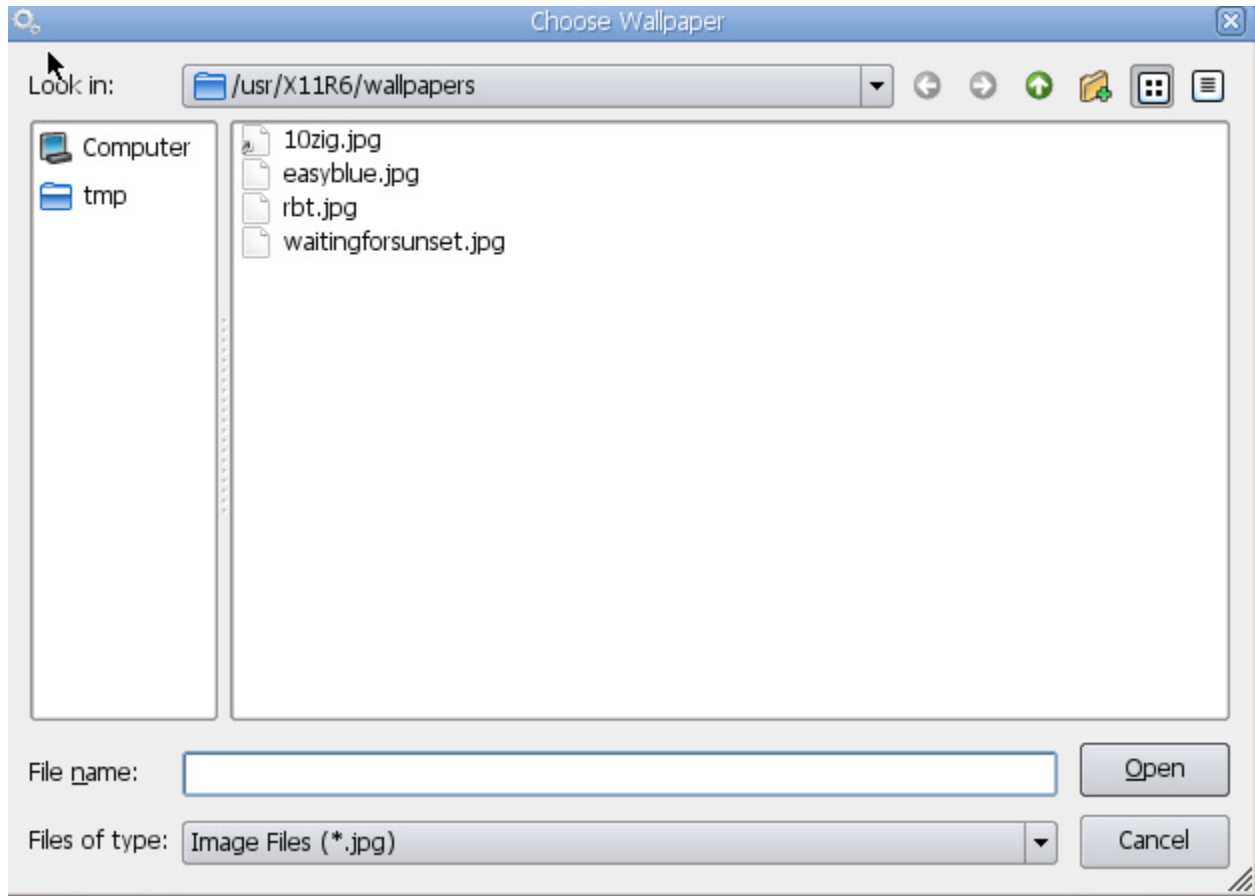
THEMES



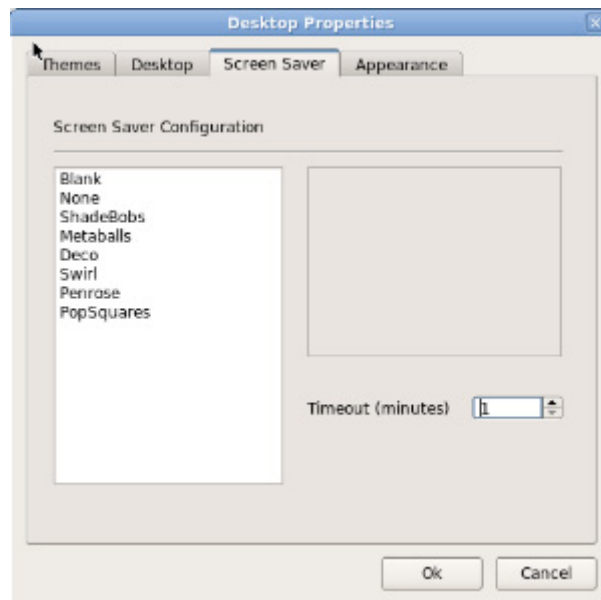
DESKTOP



Select Browse to customize wallpaper



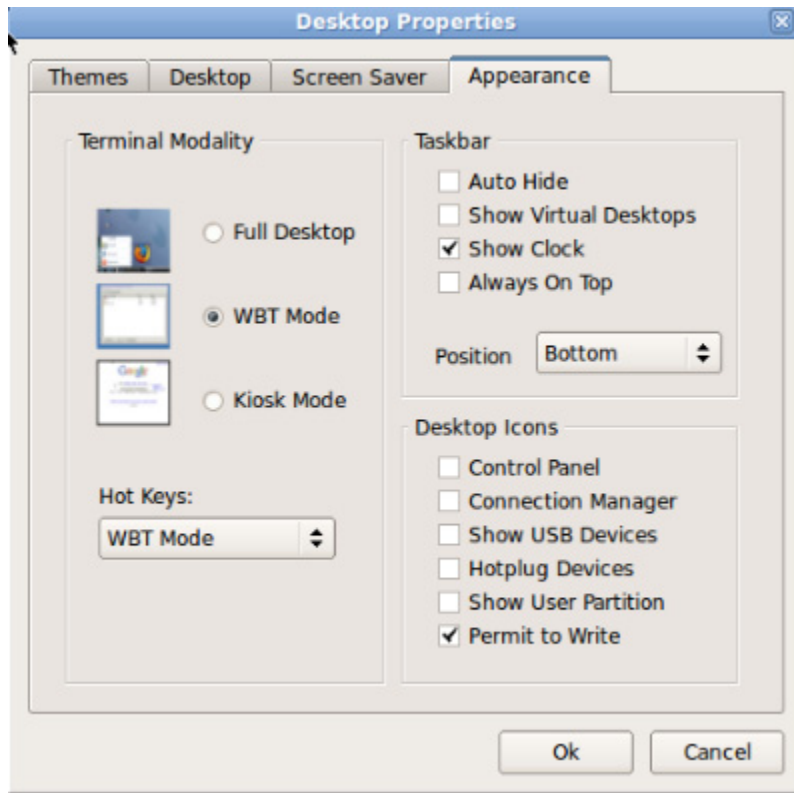
SCREEN SAVER



APPEARANCE

Change terminal modality from this option to Full Desktop, WBT mode or KIOSK mode.

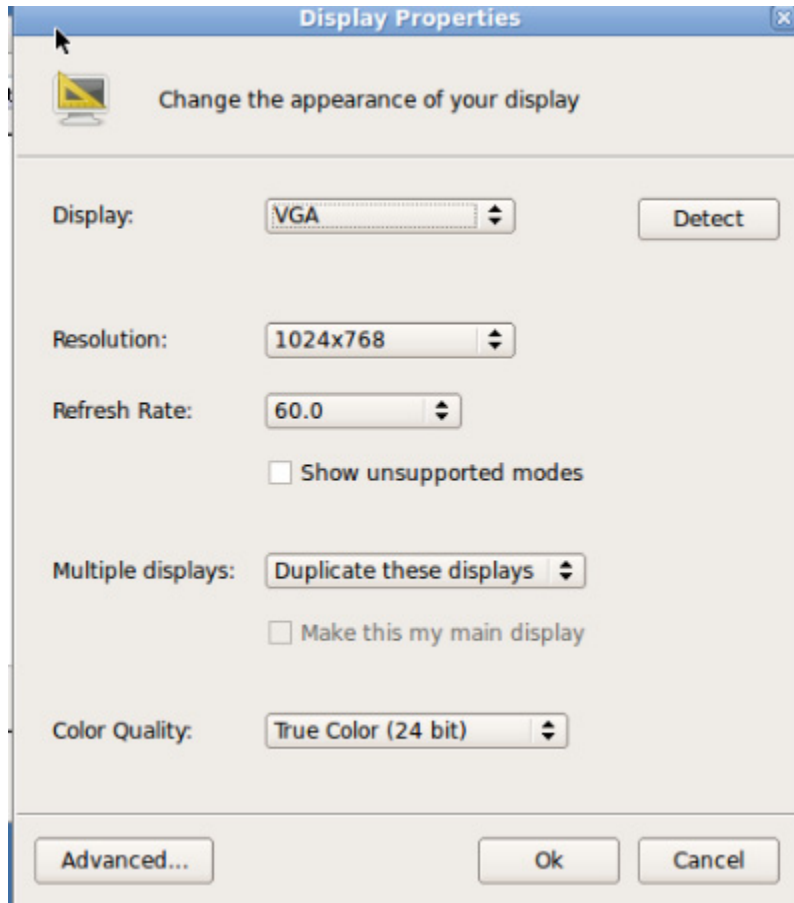
Options for Hot Keys, Taskbar changes and Desktop Icons can be found under the appearance tab.



Permit to write - some thin clients will come with extra space that is writable and the default is to permit to write. Uncheck the permit to write option if you do not want the extra disk space written.

Display

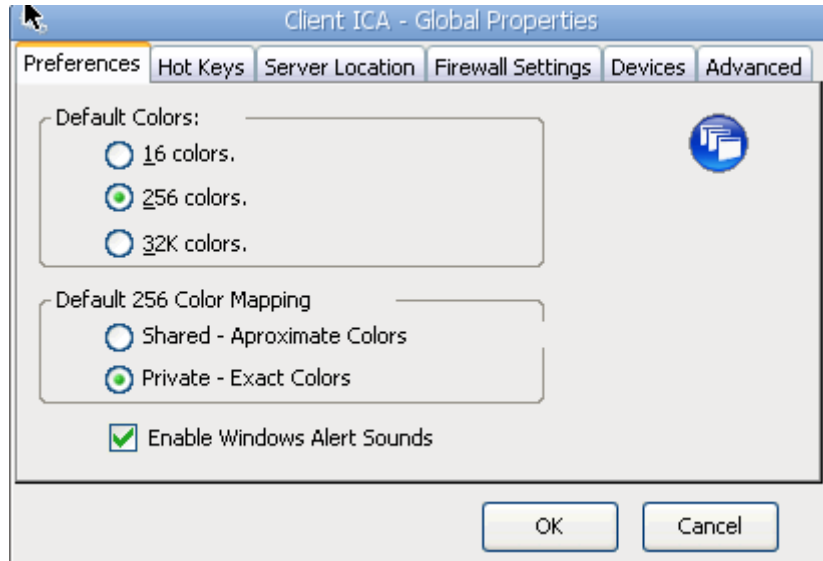
When both a VGA and DVI display are detected you will be give the option to select dual screen.



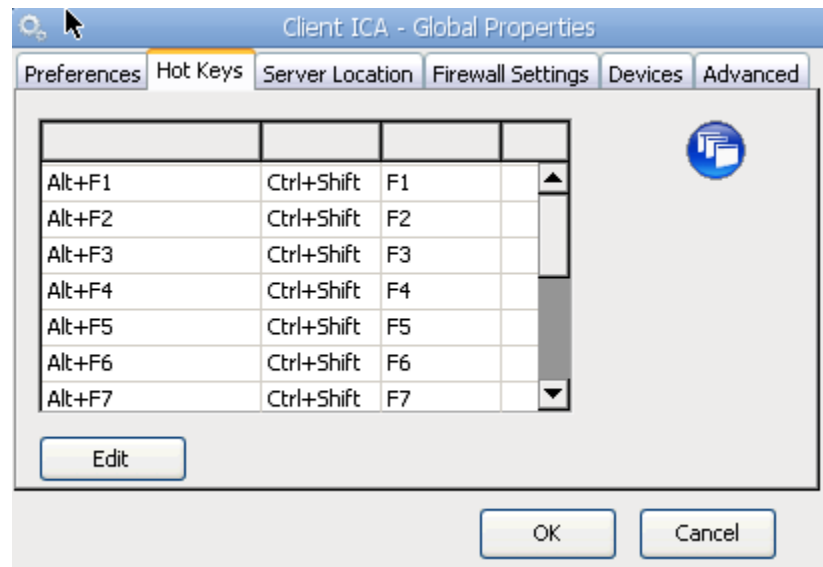
When multiple displays are detected they will be duplicated. Under multiple displays select Extend these displays and check Make this my main display.

ICA Global Settings

PREFERENCES

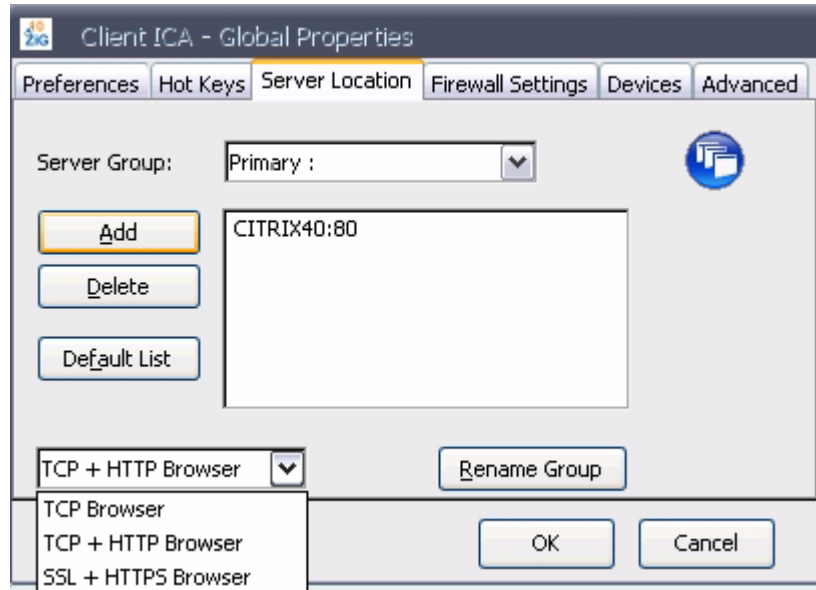


HOT KEYS

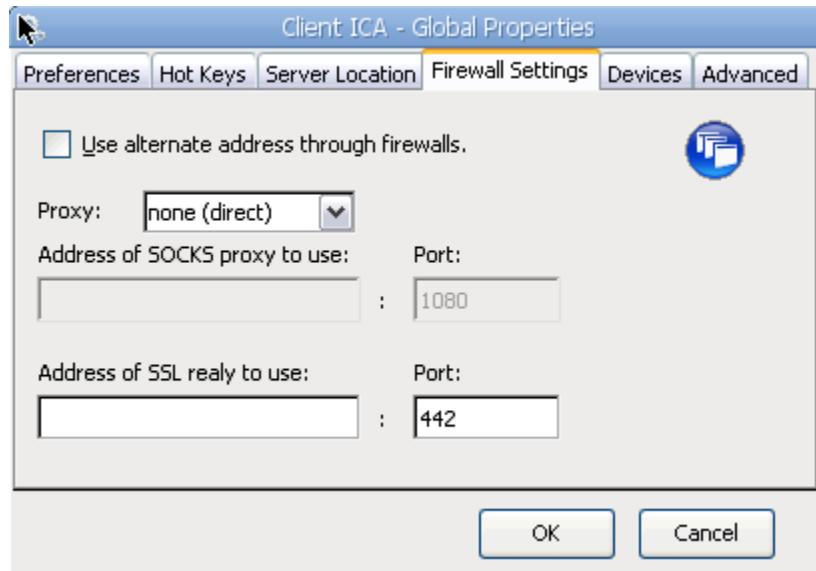


SERVER LOCATION

To add a Citrix server select add and enter the server name or IP.

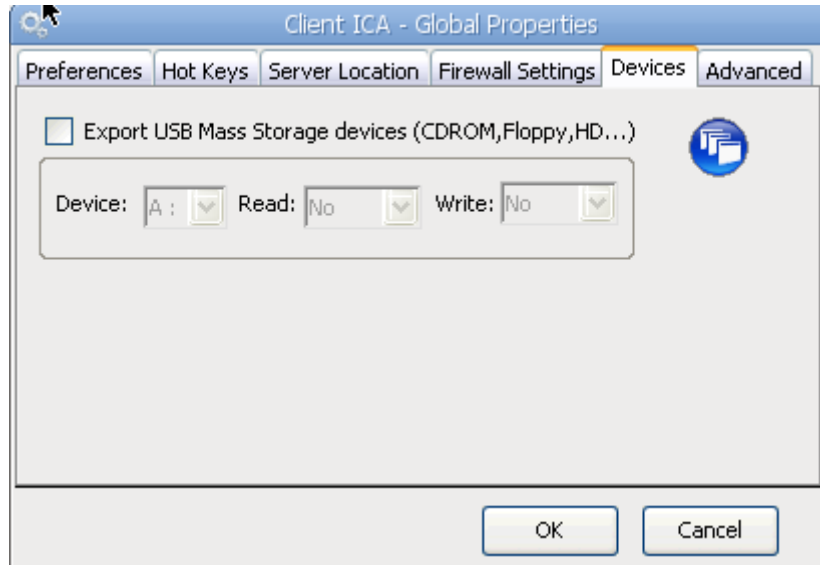


FIREWALL SETTINGS

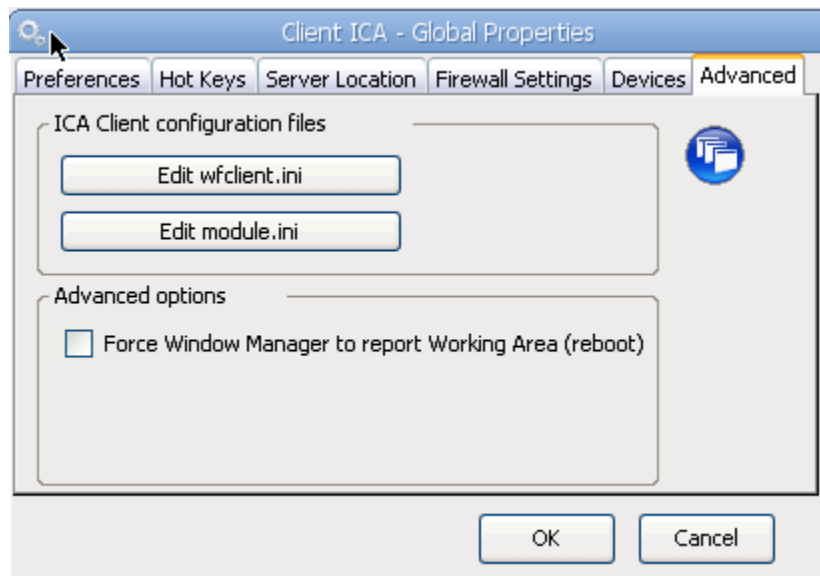


DEVICES

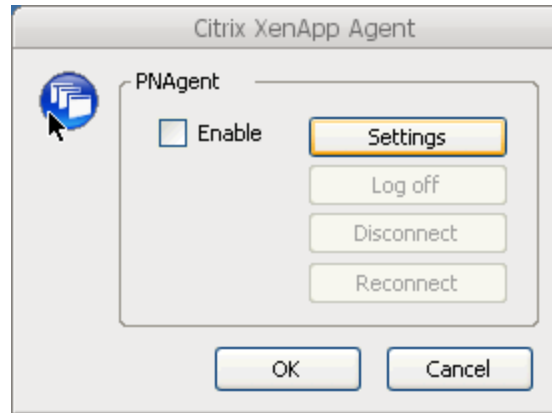
NOTE: USB Floppy and USB Flash are by default set to READ NO and Write NO, this will need to be changed to YES to access this from CITRIX



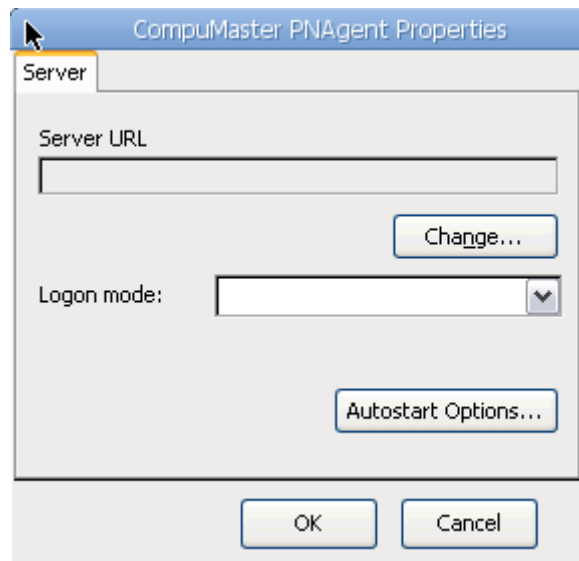
ADVANCED



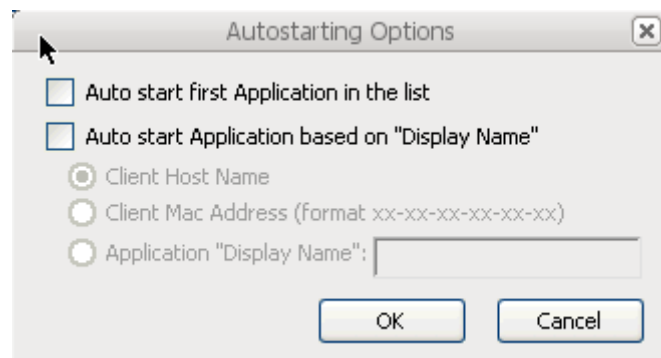
Citrix XenApp Agent



SETTINGS



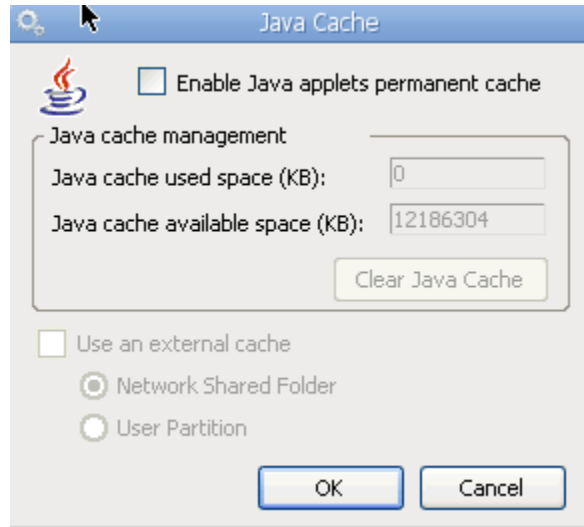
AUTOSTART OPTIONS



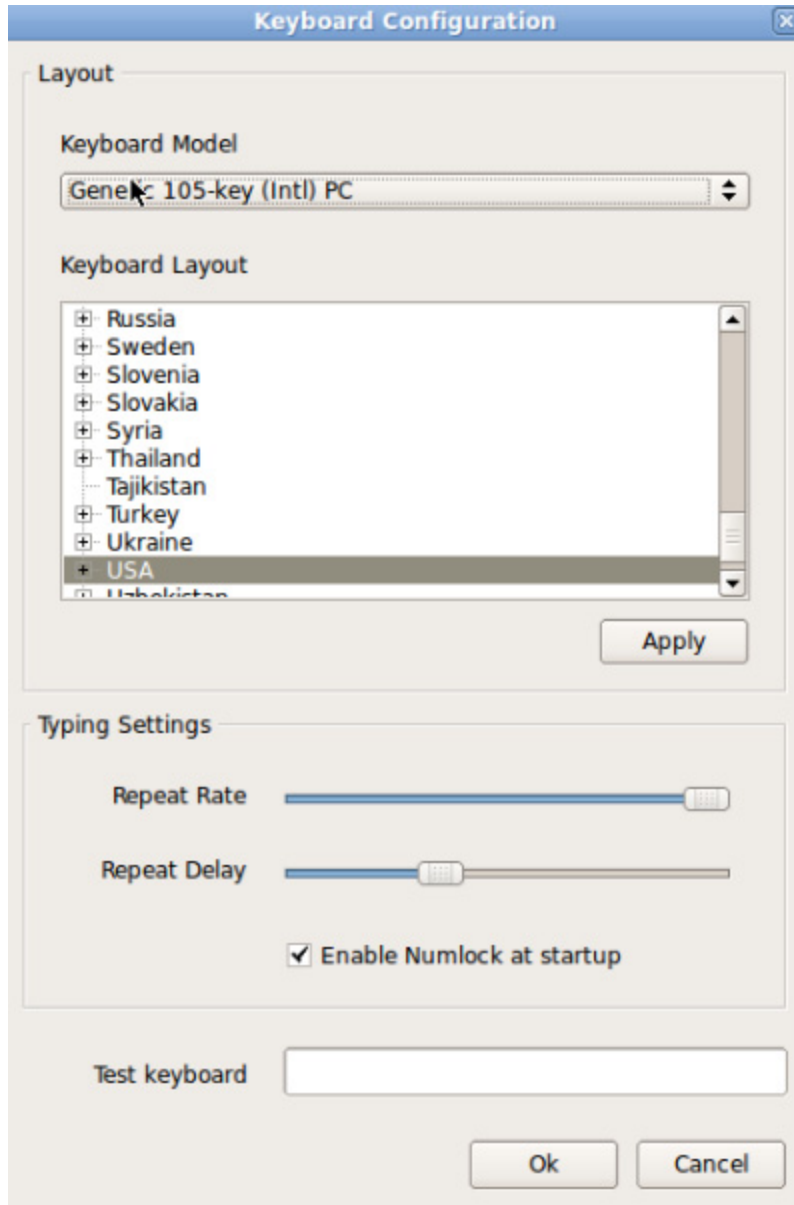
Java Cache

Check Enable Java applets permanent cache to enable Java cache management. To clear the Java Cache, select the Clear Java Cache button.

NOTE: This feature is not supported on all models



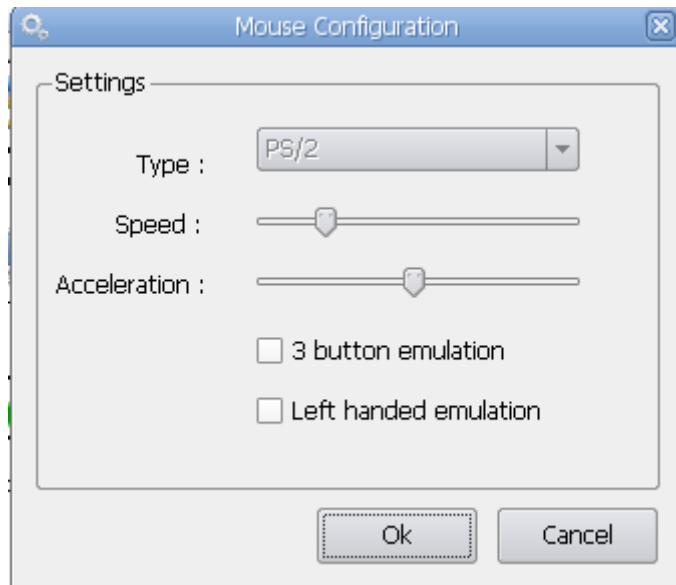
Keyboard



Mouse Configuration

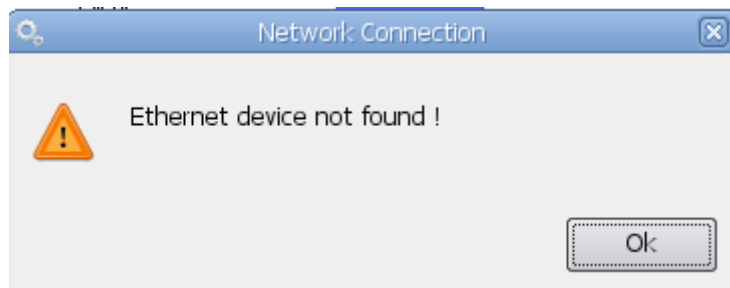
Currently only USB and PS2 mice are supported making the type option preselected with no ability to change it.

NOTE: To use a PS2 mouse and keyboard you must use a PS2 splitter.

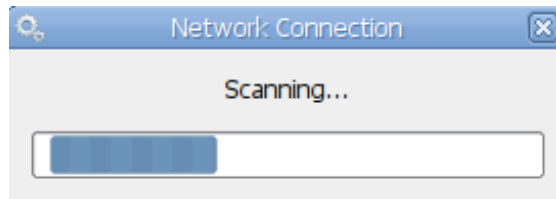


Wireless

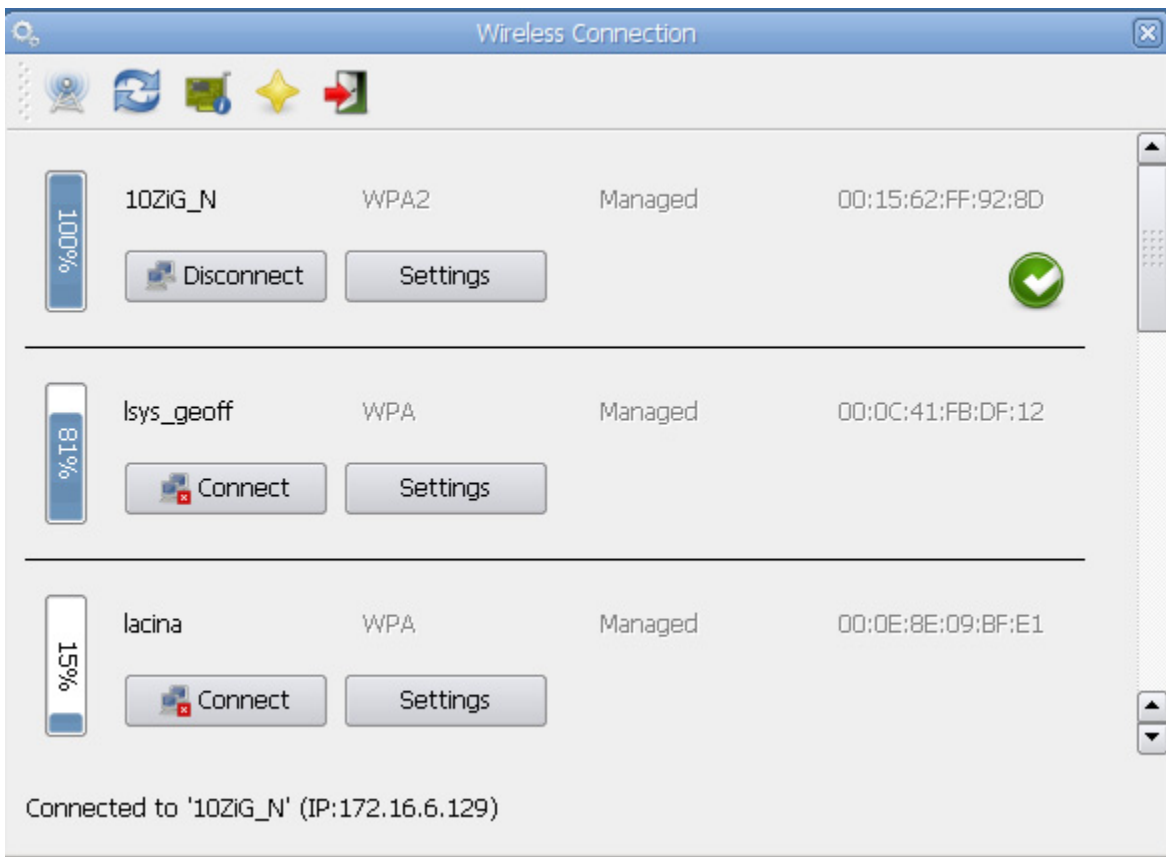
If you do not have a wireless card you will get an error “Ethernet device not found”. Configure wireless settings.



Select the wireless option and if a Wireless NIC is found the Network Connection Scan will begin



All broadcasting wireless networks found will be displayed.



Select Settings to configure encryption

TCP/IP PROPERTIES

The image shows a screenshot of the 'Connection Settings' dialog box, specifically the 'TCP/IP Properties' tab. The dialog has a blue title bar with the text 'Connection Settings' and a close button. Below the title bar are four tabs: 'TCP/IP Properties' (selected), 'Security', 'Hosts', and 'Advanced'. The main content area contains the following text: 'Set the IP and DNS properties. IP and DNS settings are automatically configured using DHCP by default.' Below this text are two sections, each starting with an unchecked checkbox. The first section is 'Use a static IP', followed by three text input fields labeled 'IP Address', 'Netmask', and 'Gateway'. The second section is 'Use static DNS addresses', followed by two text input fields labeled 'Prefered DNS' and 'Alternat DNS'. At the bottom right of the dialog are two buttons: 'Ok' and 'Cancel'.

Connection Settings

TCP/IP Properties Security Hosts Advanced

Set the IP and DNS properties. IP and DNS settings are automatically configured using DHCP by default.

Use a static IP

IP Address

Netmask

Gateway

Use static DNS addresses

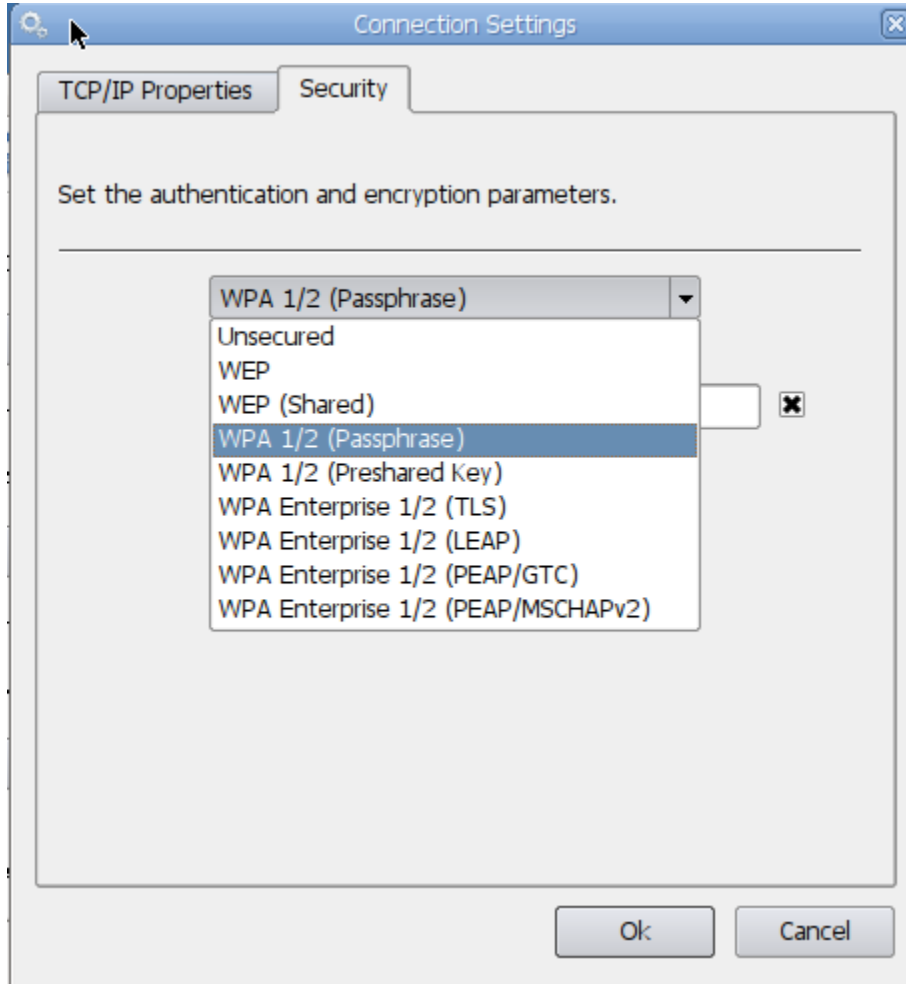
Prefered DNS

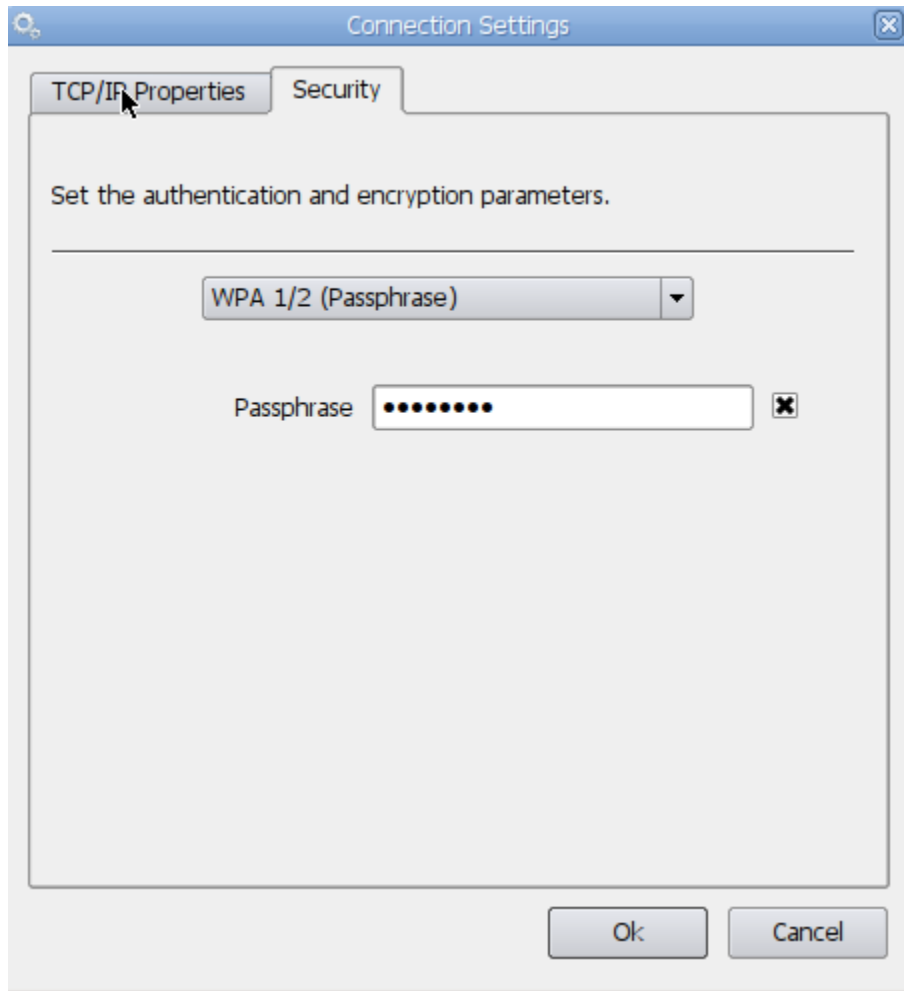
Alternat DNS

Ok Cancel

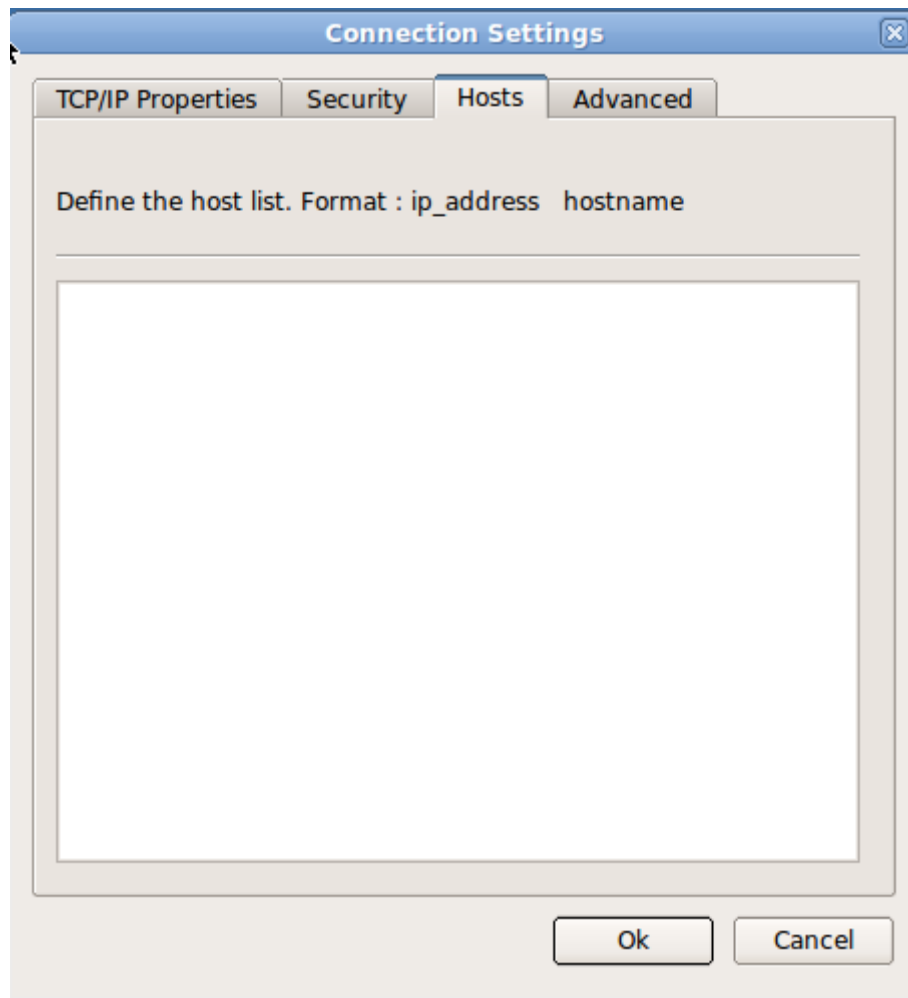
SECURITY

Select encryption type

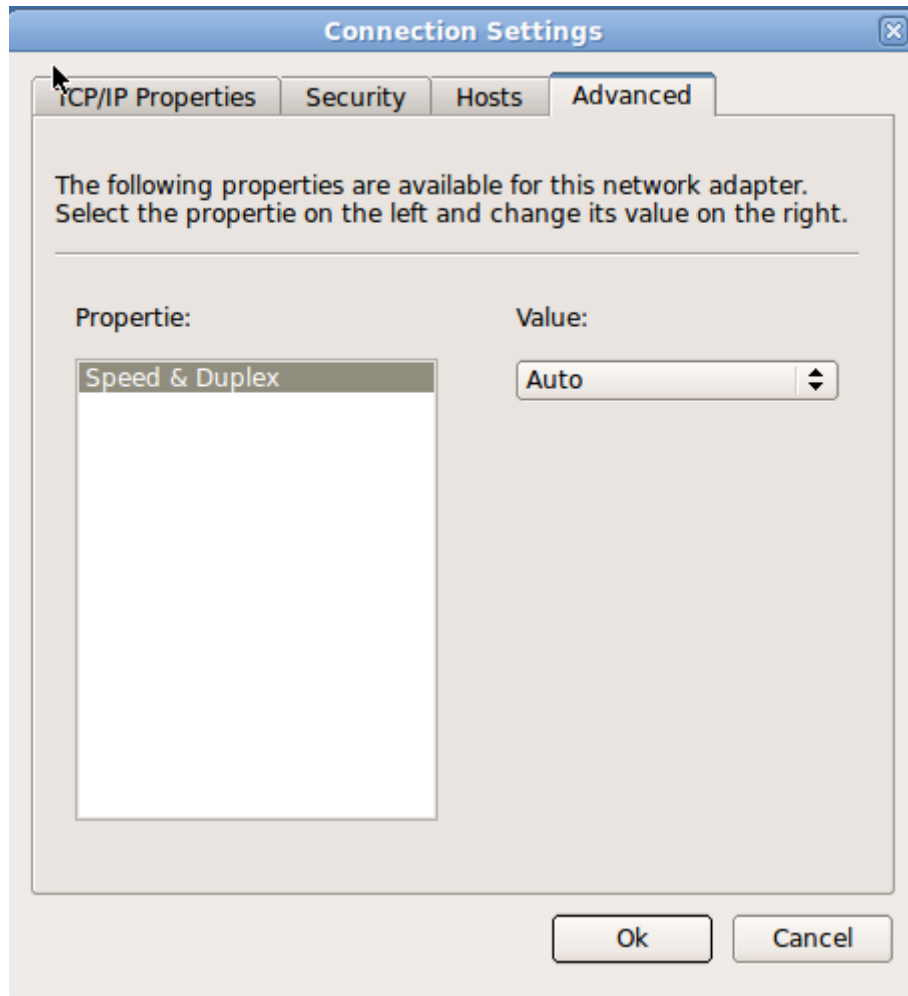




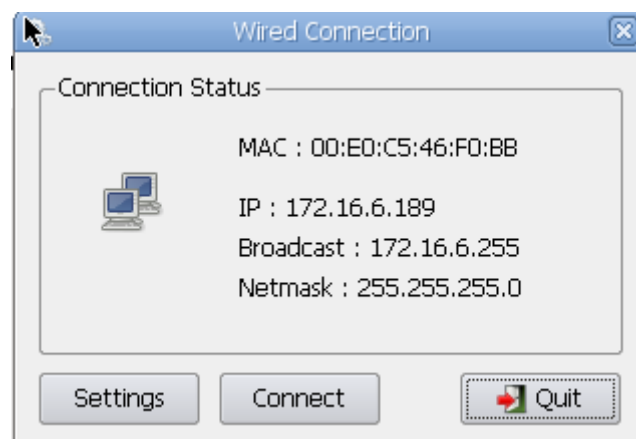
HOSTS



ADVANCED



Wired



Select Settings to configure detail - by default the thin client is set to use DHCP.

Connection Settings

TCP/IP Properties Security Hosts Advanced

Set the IP and DNS properties. IP and DNS settings are automatically configured using DHCP by default.

Use a static IP

IP Address

Netmask

Gateway

Use static DNS addresses

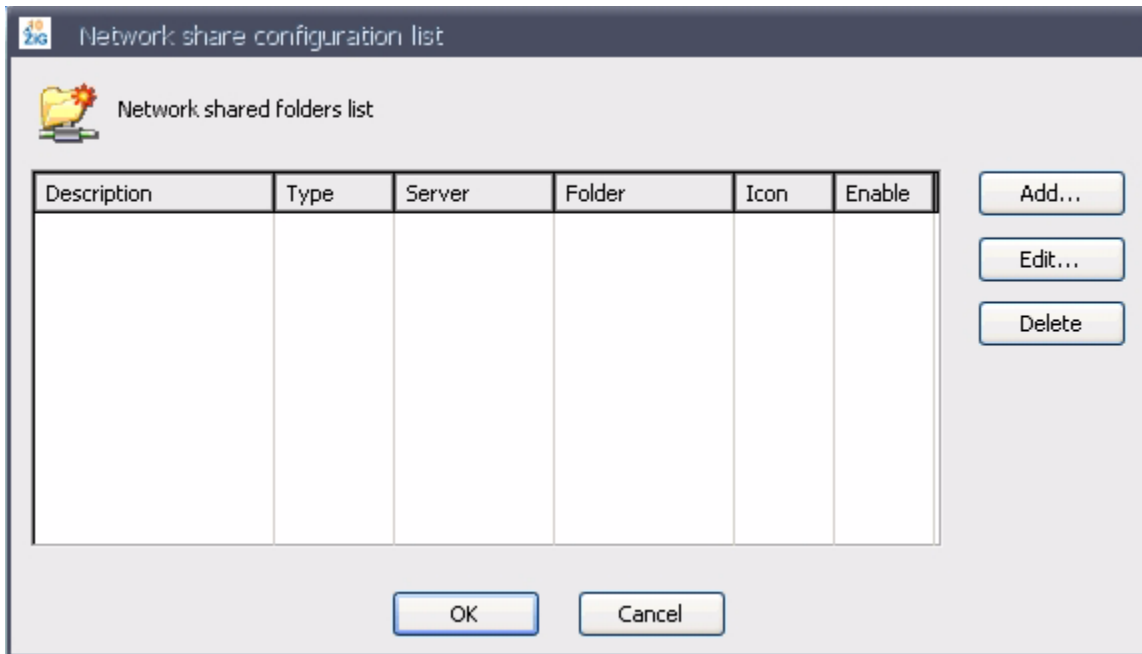
Preferred DNS

Alternate DNS

Ok Cancel

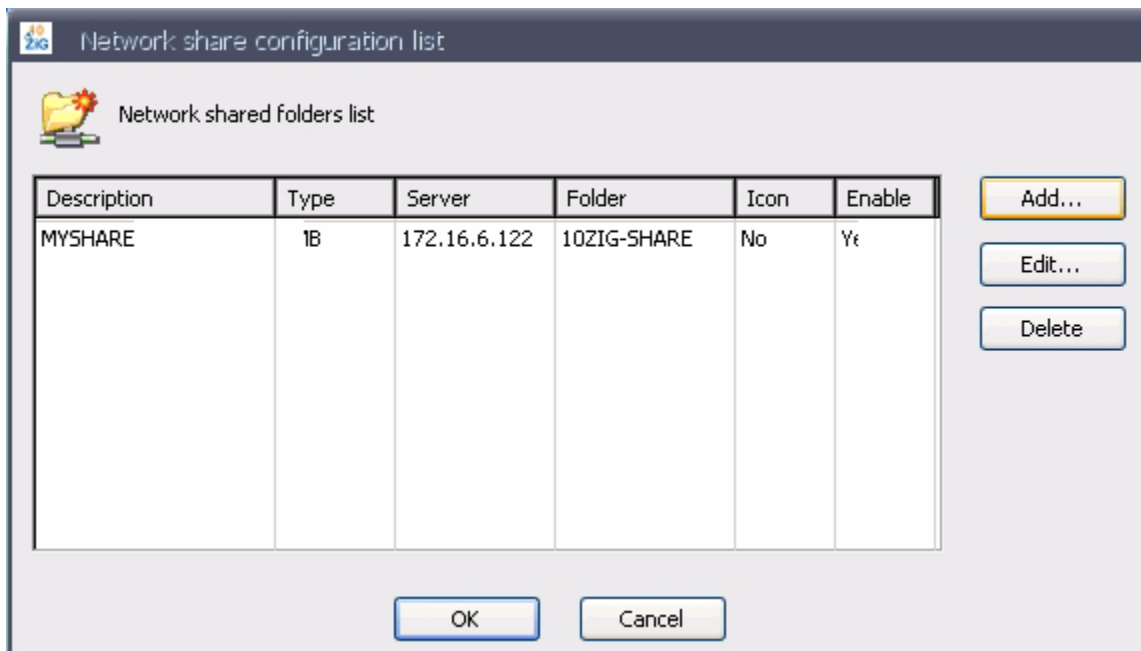
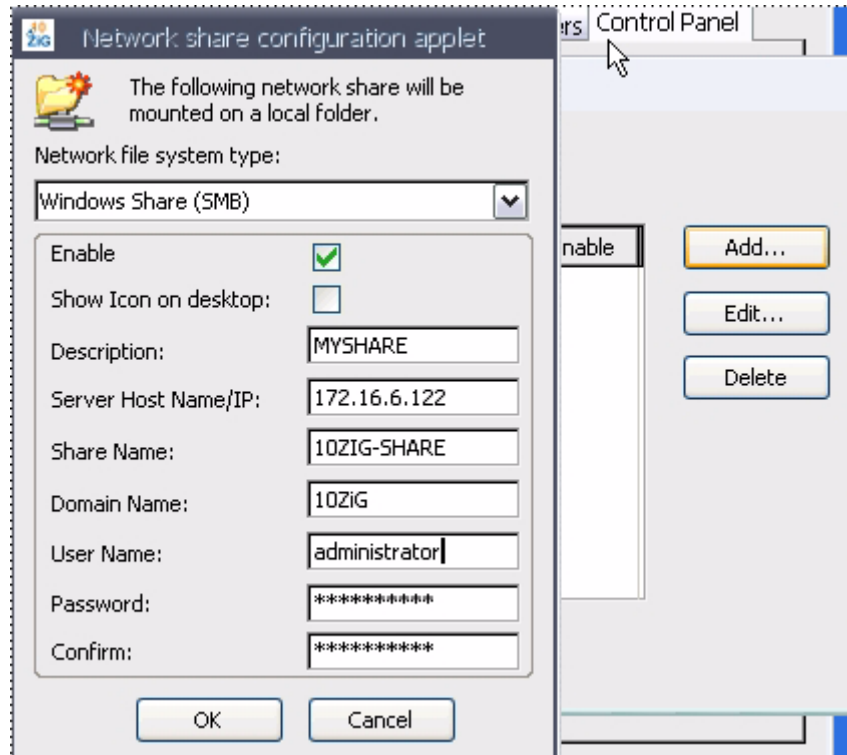
Network File System

NFS file systems are typically exported by other Linux/Unix servers and SMB file systems are typically exported by Windows based machines. To automatically mount NFS or SMB network file systems select the Network File System type. For NFS file system (Linux File Systems), the User and Password fields are blank. For SMB (Windows File Systems), these fields must be specified. The Server field could contain the IP address of the remote system, while the Share field should contain the share name on that system



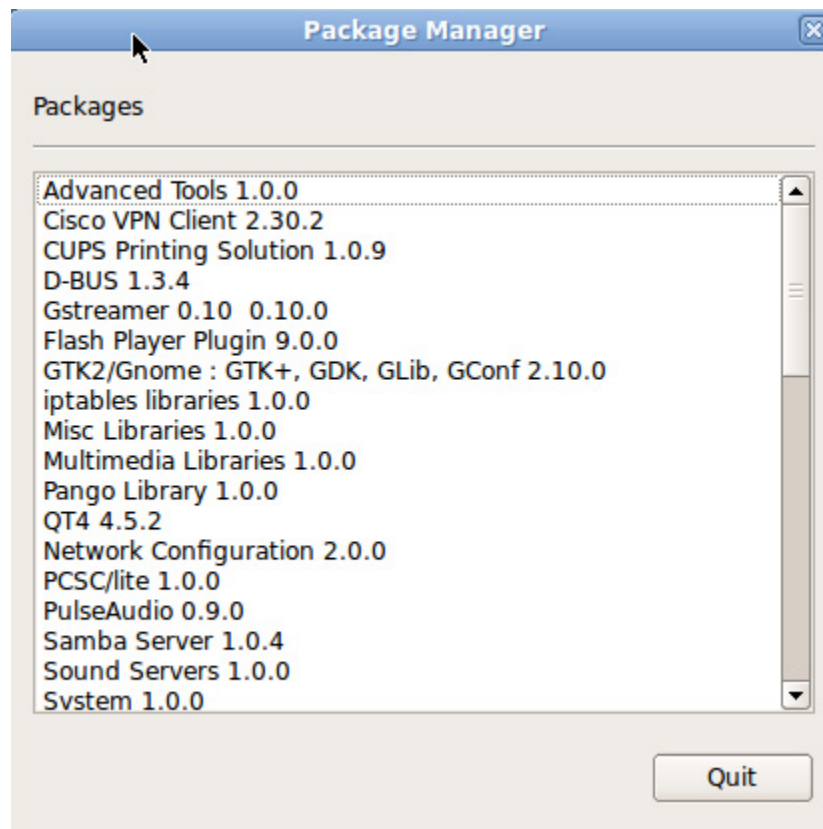
For an SMB share, select the file system type SMB and complete the required host name or IP, share name, domain name, user name and password.

For an NFS share, select the file system type NFS and complete the required host name or IP and share name.



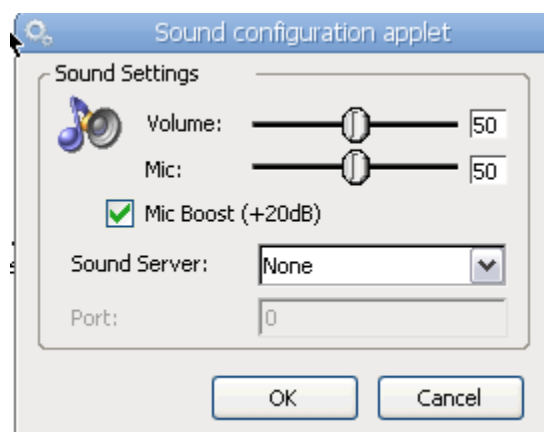
Package Manager

Displays what packages are installed on the thin client and their versions



Sound Configuration

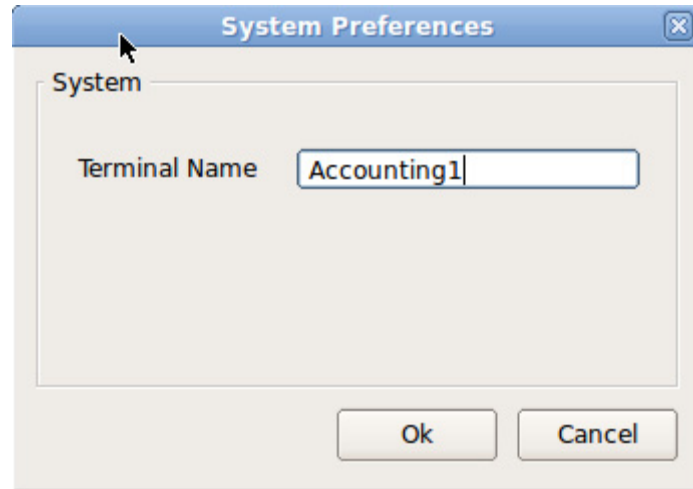
The sound server is a daemon which runs on the terminal and receives and plays sound data from a server on the network. We support 2 protocols and allow the user to specify a port.



This can be used with SGD or NXclient to have sound with the desktop.

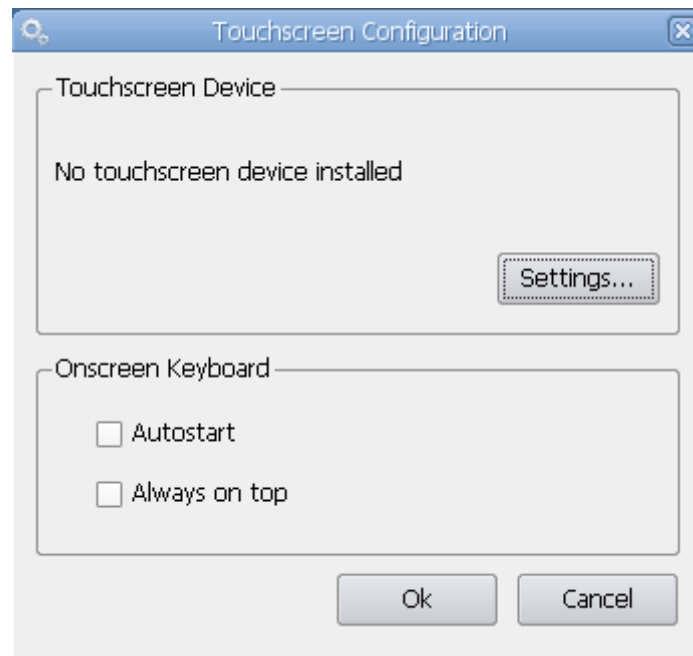
System

Use this area to change the thin client's name



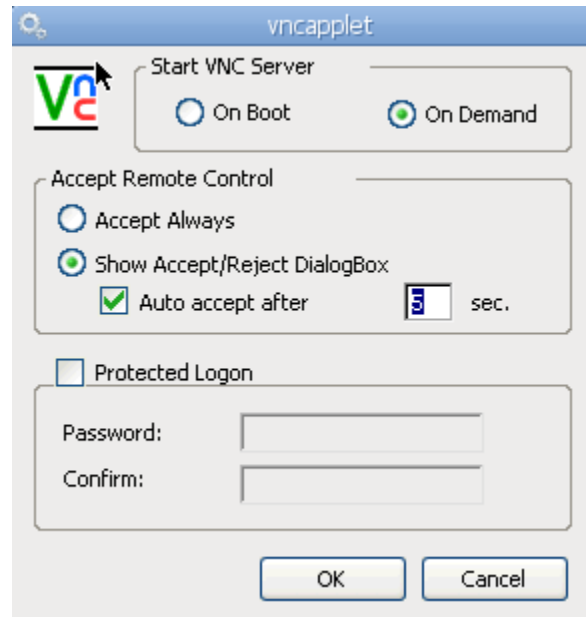
Touchscreen

If no touchscreen device is installed you will see the message below, if you do have a touchscreen edit settings.

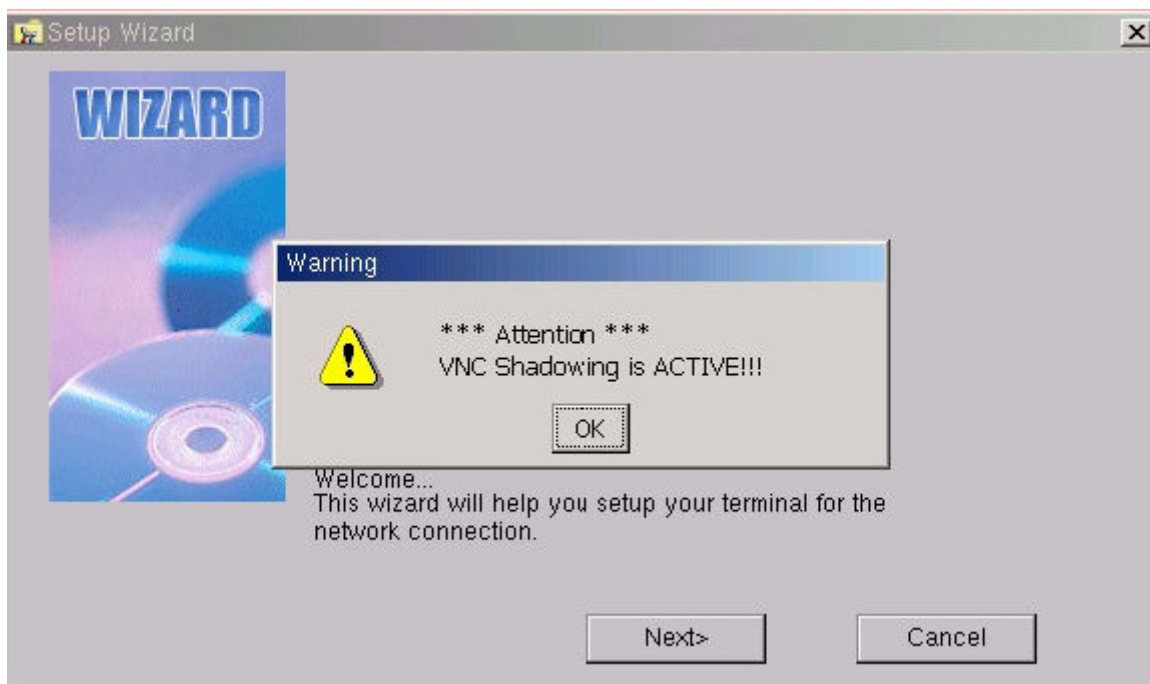


VNC Shadowing

The default setting is to Show Accept/Reject DialogBox but with Auto Accept after 5 seconds. To accept always and show no warning messages on the unit, select Accept Always

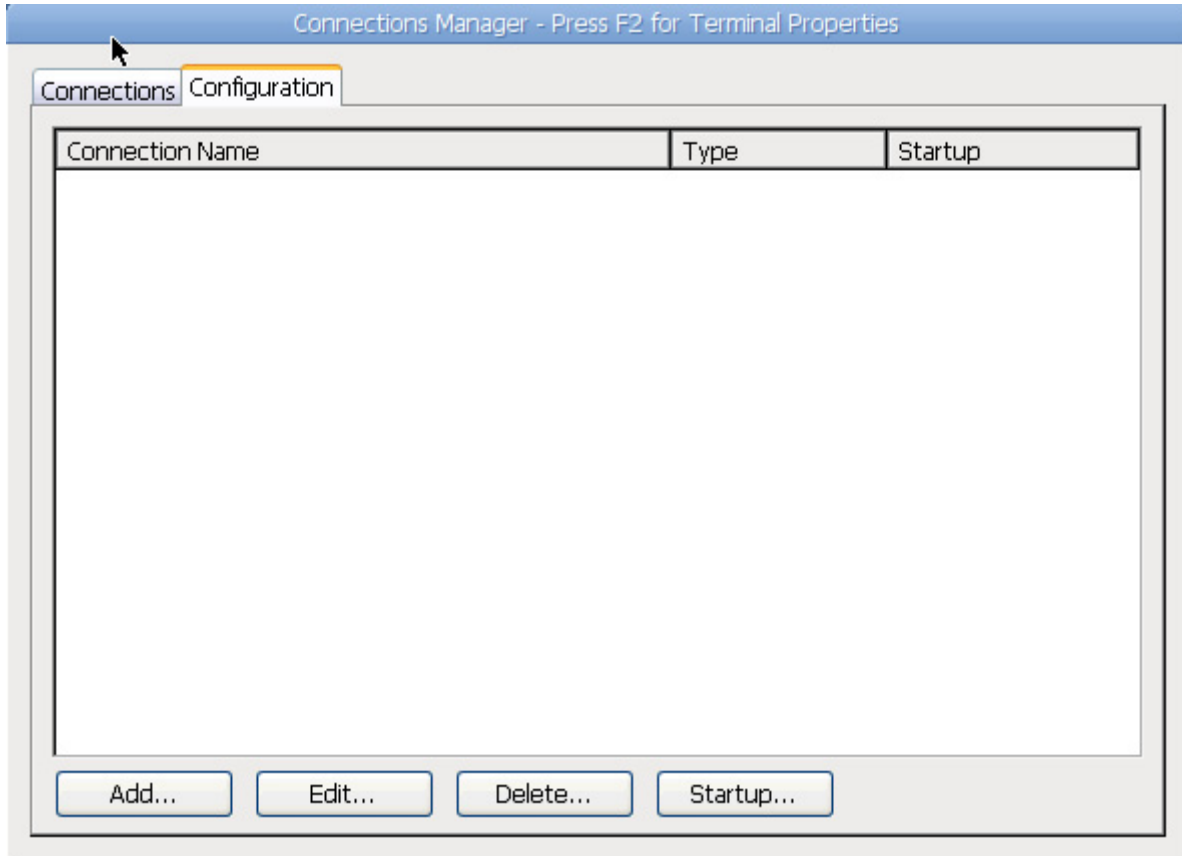


A password can be assigned to the unit by selecting Protected Logon and completing the password information.



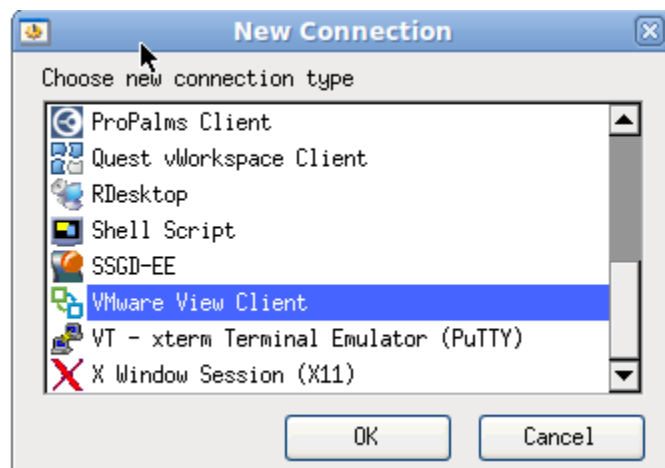
CONNECTIONS MANAGER

Select the Configuration Tab to create a new connection.



Select Add to be presented with a list of possible connection types.

****The following is an example of how to set up a VMware View Client connection****

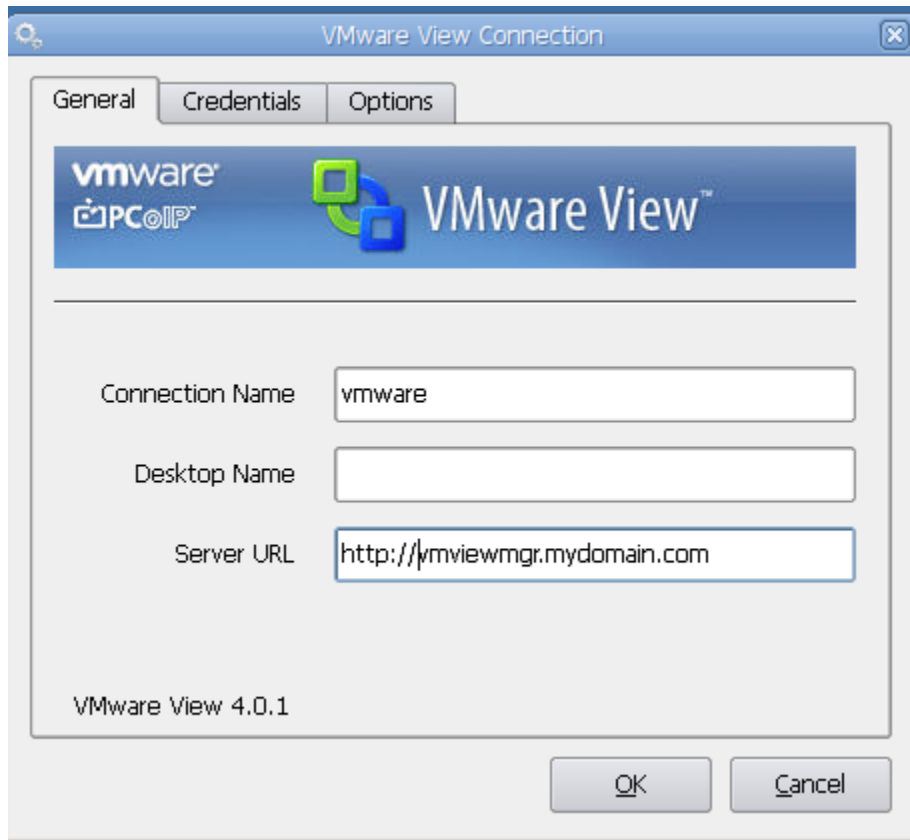


GENERAL TAB

Connection Name is the name give to this VMware View Connection.

Desktop Name - the default name of the VM configured in the VMware View Manager that this View Connection should automatically attempt to connect - this can be left blank for a list of available VMs.

Server URL: VMware View Management server URL



The image shows a screenshot of the 'VMware View Connection' dialog box, specifically the 'General' tab. The dialog has a title bar with the text 'VMware View Connection' and a close button. Below the title bar are three tabs: 'General', 'Credentials', and 'Options'. The 'General' tab is selected. The main content area features the VMware View logo and the text 'VMware View™'. Below this, there are three input fields: 'Connection Name' with the value 'vmware', 'Desktop Name' which is empty, and 'Server URL' with the value 'http://vmviewmgr.mydomain.com'. At the bottom left, the version 'VMware View 4.0.1' is displayed. At the bottom right, there are 'OK' and 'Cancel' buttons.

LOGON TAB

Enter credentials to be saved with this VMware View Connection - this can be left blank and the user will be prompted each time to enter their credentials.

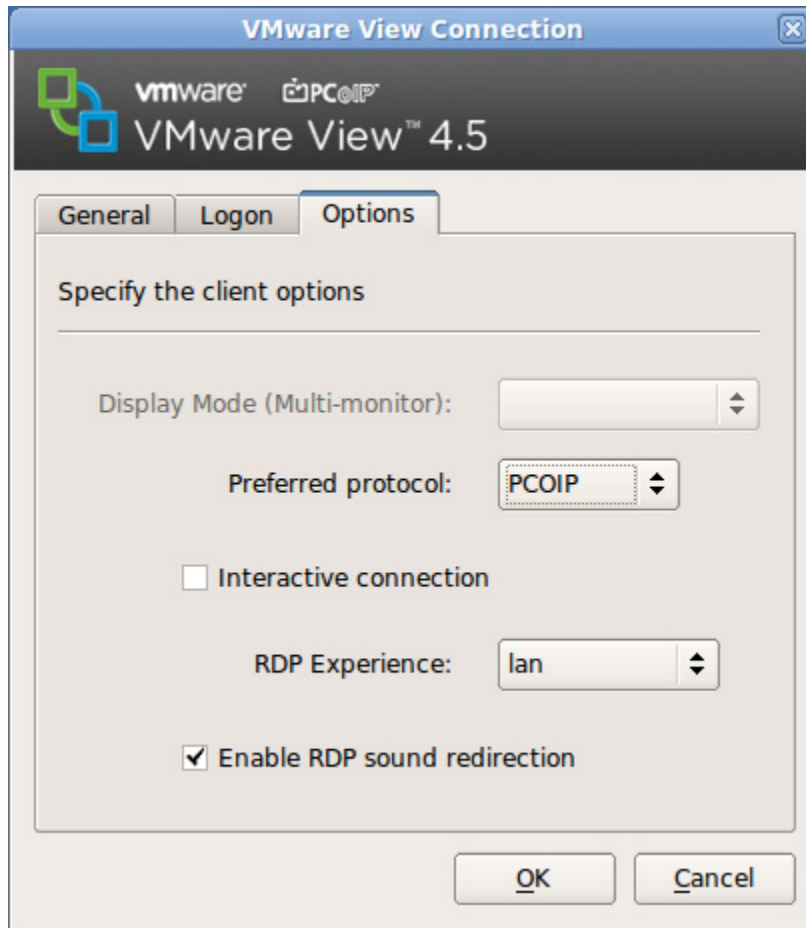


The screenshot shows the 'VMware View Connection' dialog box with the 'Logon' tab selected. The dialog has a title bar with the VMware logo and 'VMware View™ 4.5'. Below the title bar are three tabs: 'General', 'Logon', and 'Options'. The 'Logon' tab is active and contains the following fields:

- A checkbox labeled 'Use saved user credentials' which is checked.
- A 'Domain:' field with the value 'mydomain'.
- A 'Username:' field with the value 'myusername'.
- A 'Password:' field with the value '****'.
- A 'Confirm Password:' field with the value '****'.

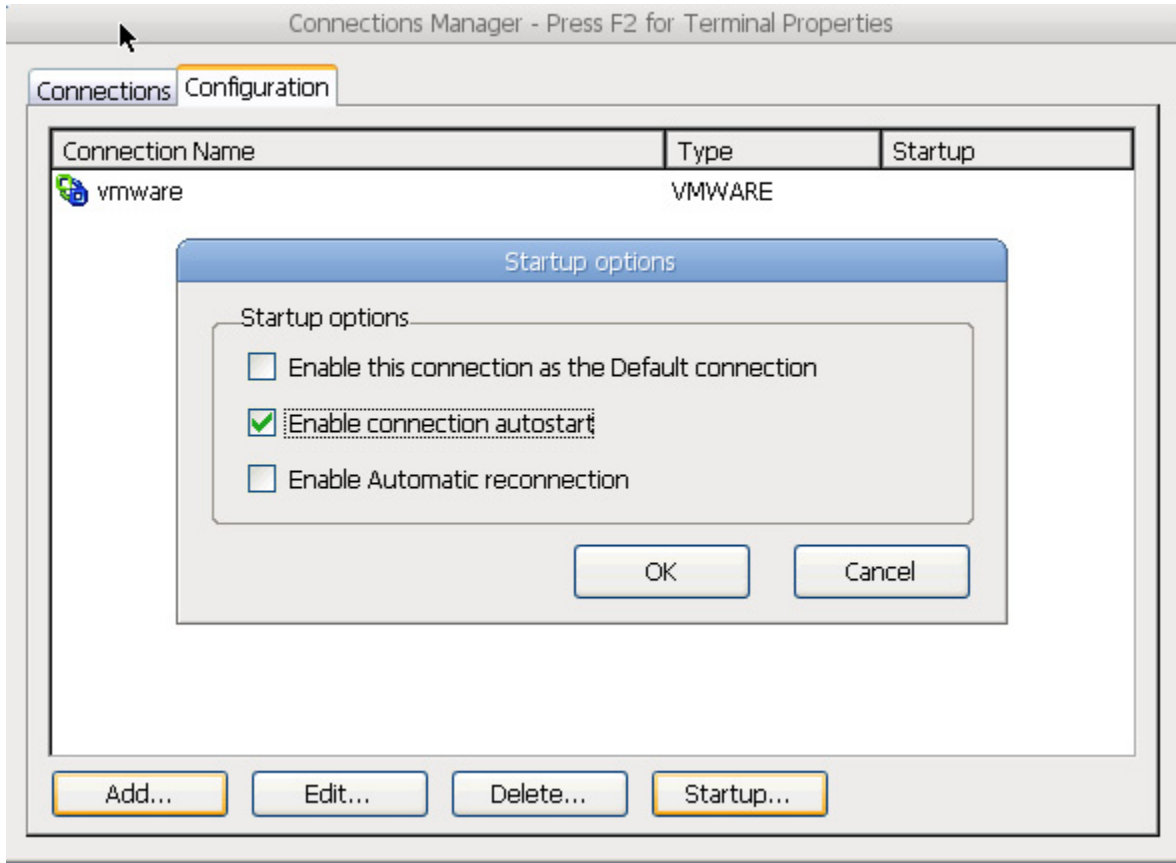
OPTIONS TAB

If dual monitor has been detected and selected, this option will give you monitor position options. If dual monitor is not available, the option is dimmed and not selectable.



Select OK to complete the VMware View Client configuration.

To Autostart the VMware View Client or any configured connection - highlight the configured session and select STARTUP - Set the Startup Options as desired and select OK. On boot the session will start automatically.

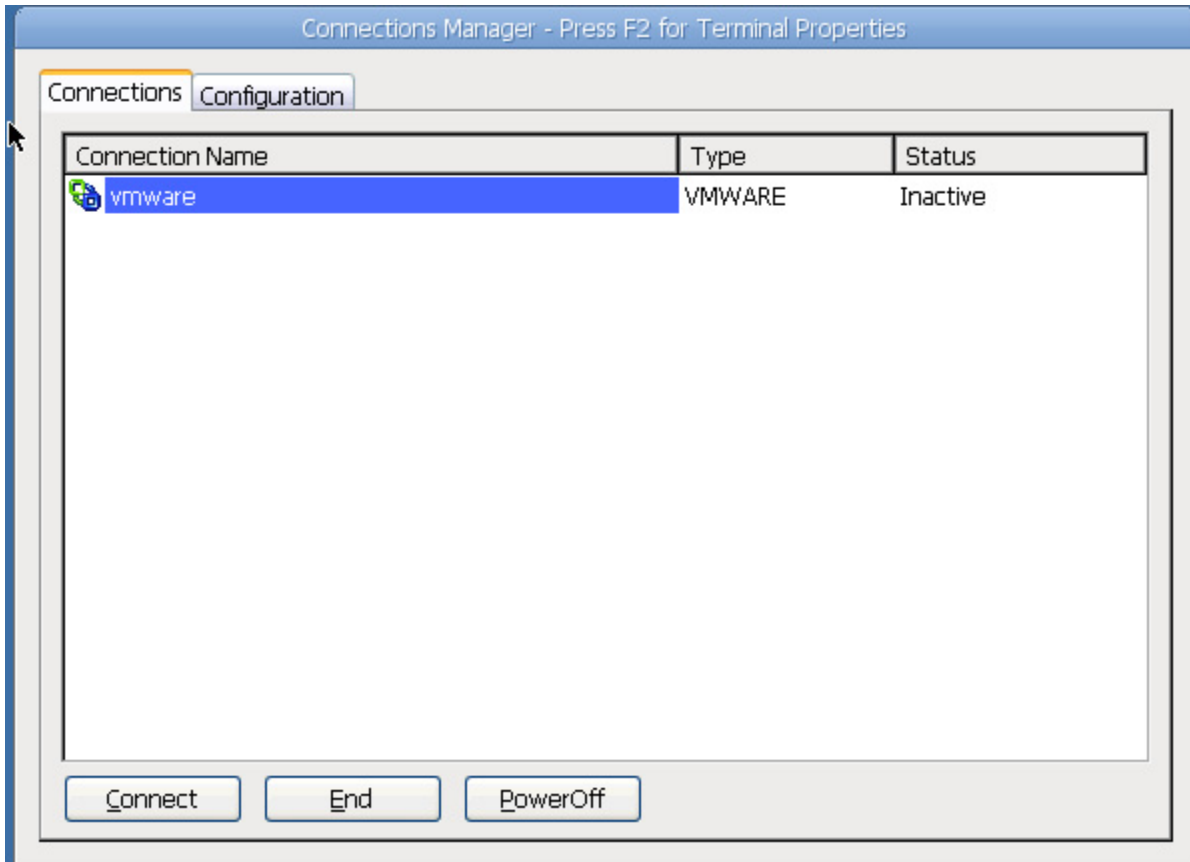


USB Redirection in VMware View Client - when a USB printer or thumb driver is plugged into the thin client, the VM will immediately recognize the USB device and indicate new hardware was found. For printers the printer driver must be installed on the VM to work correctly.

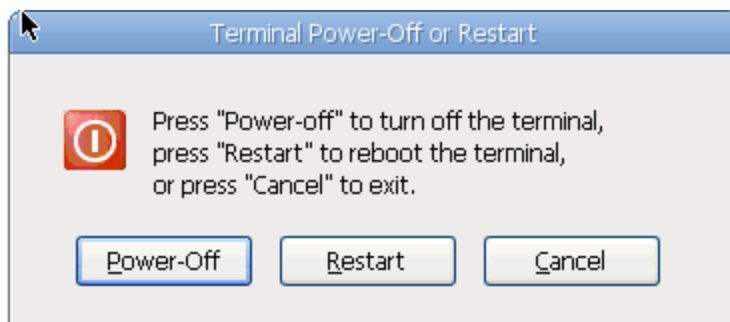
Manually Connect or End a Connection

From the Connections Manager - Connections Tab highlight the connection name and select Connect or End.

Choose PowerOff to turn off the thin client.



Confirm the request to **Power-Off** or **Restart** the terminal, or **Cancel** the request.



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