10ZiG Technology Ltd.

Linux RBT-VDI

v9 Configuration Guide

10ZiG Technology Limited

Headquarters US
23309 N 17th Dr - Ste 100
Phoenix, AZ 85027
Phone 866-864-5250 • Fax 623-516-8697
support@10zig.com
sales@10zig.com
www.10zig.com

Headquarters UK
10 ZiG Technology Limited
Action Business Centre
Swan Street
Leicester LE3 5AT
Phone 44 1509 276252 • Fax 44 1509 276253
support@10zig.eu
sales@10zig.eu
www.10zig.eu

May 11, 2010

PRODUCT DESCRIPTION 5
INTRODUCTION TO CONFIGURATION 5
CONFIGURING THE RBT VDI THIN CLIENT 6
Terminal Properties - General Tab 7
Terminal Properties - Security Tab 8
Terminal Properties - Printers Tab 9
Adding a Local Printer 11
Terminal Properties - Control Panel Tab 19
SNMP Agent Applet 20
Cisco VPN Client 20
System 21
Wireless 21
TCP/IP Properties 23
Security 24
Wired 26
Display 27
Touchscreen 27
Mouse Configuration 28
Keyboard Configuration 28
Desktop 29
Themes 29
Desktop 30
Screen Saver 32
Appearance 33
Network File System 34
VNC Shadowing 36
ICA Global Settings 37
Preferences 37
Hot Keys 37
Server Location 38
Firewall Settings 38
Devices 39

Advanced 39
Sound Configuration 40
Java Cache 40
Date & Time 41
Citrix XenApp Agent 42
Settings 42
Autostart Options 42
CONNECTIONS MANAGER 43
General Tab 45
Credentials Tab 46
Options Tab 47
Index 51

PRODUCT DESCRIPTION

The 10ZiG RBT 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 RBT VDI thin clients support three modes of operation

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

Desktop – Windows XP look & feel

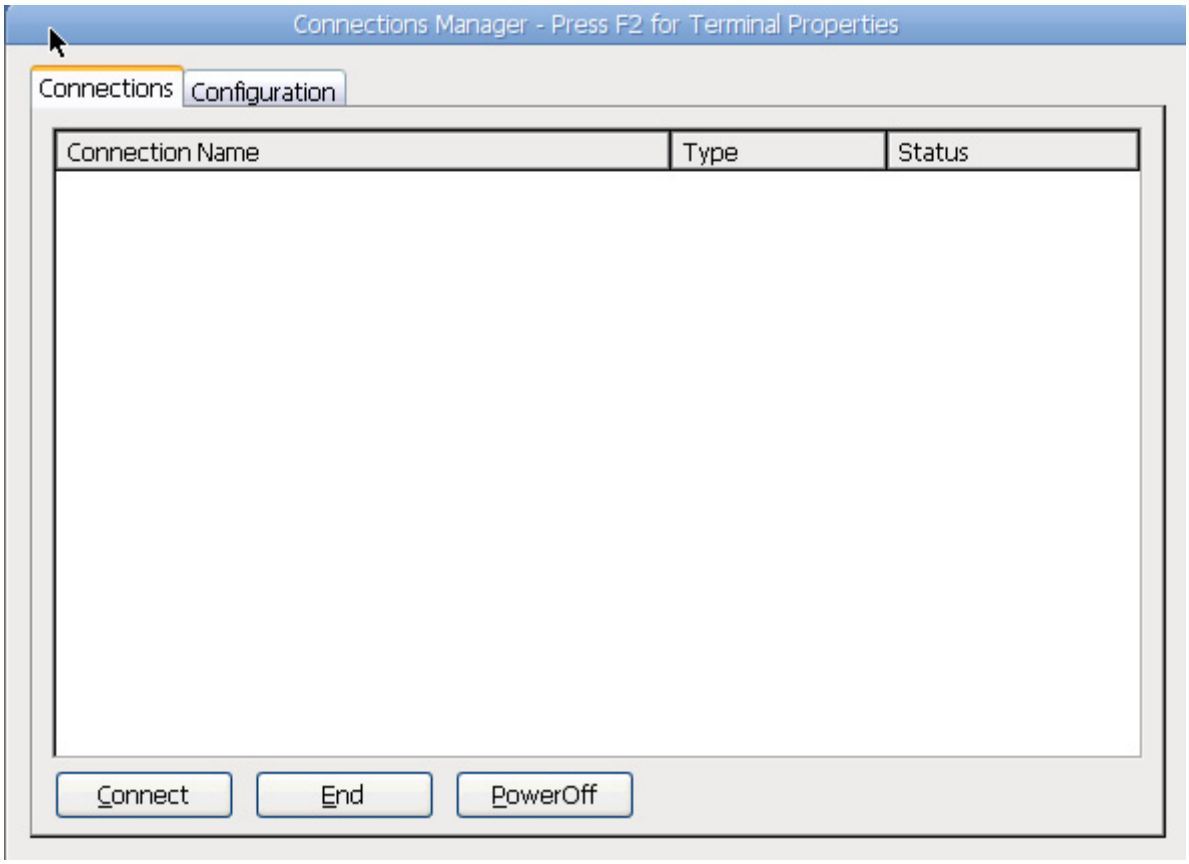
KIOSK – Restricted desktop that limits access to a specific connection.

CONFIGURING THE RBT 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



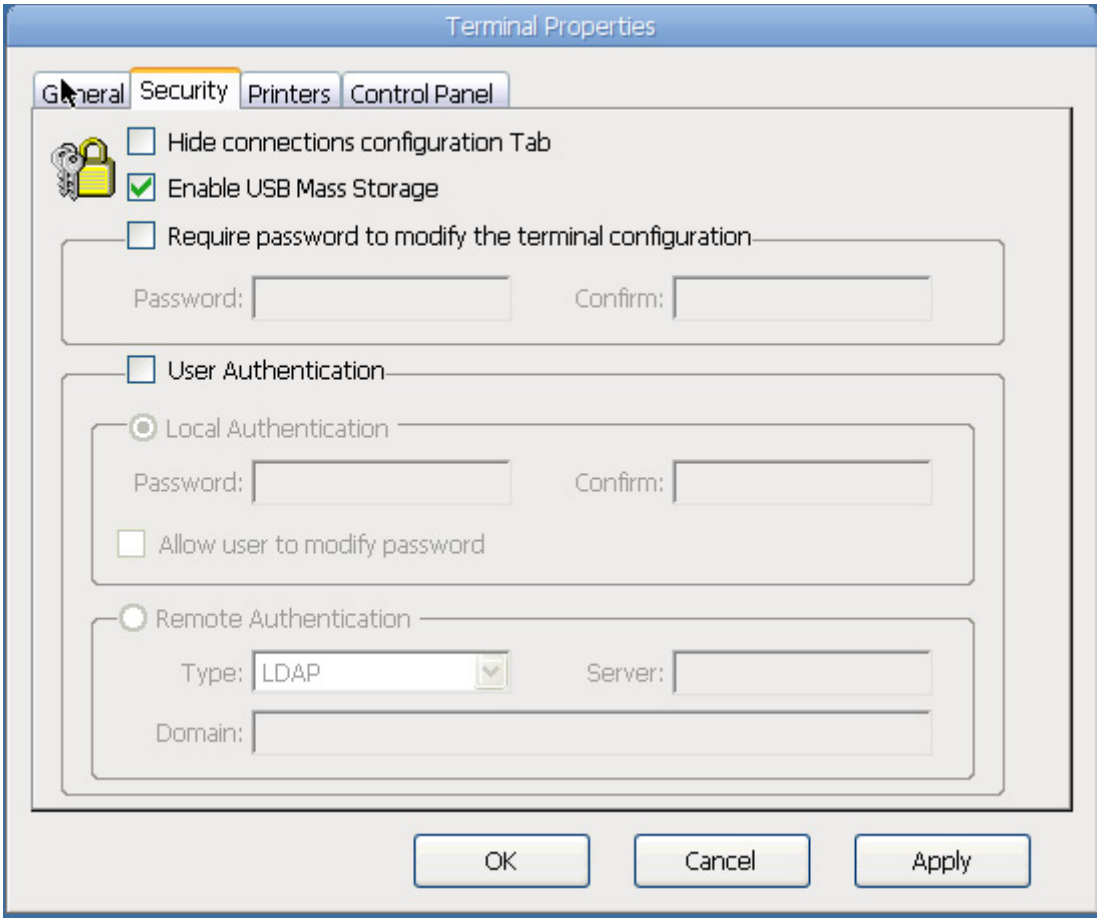
The Terminal Configuration Utility is divided into a number of functionally distinct tab pages as described in the following pages.

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

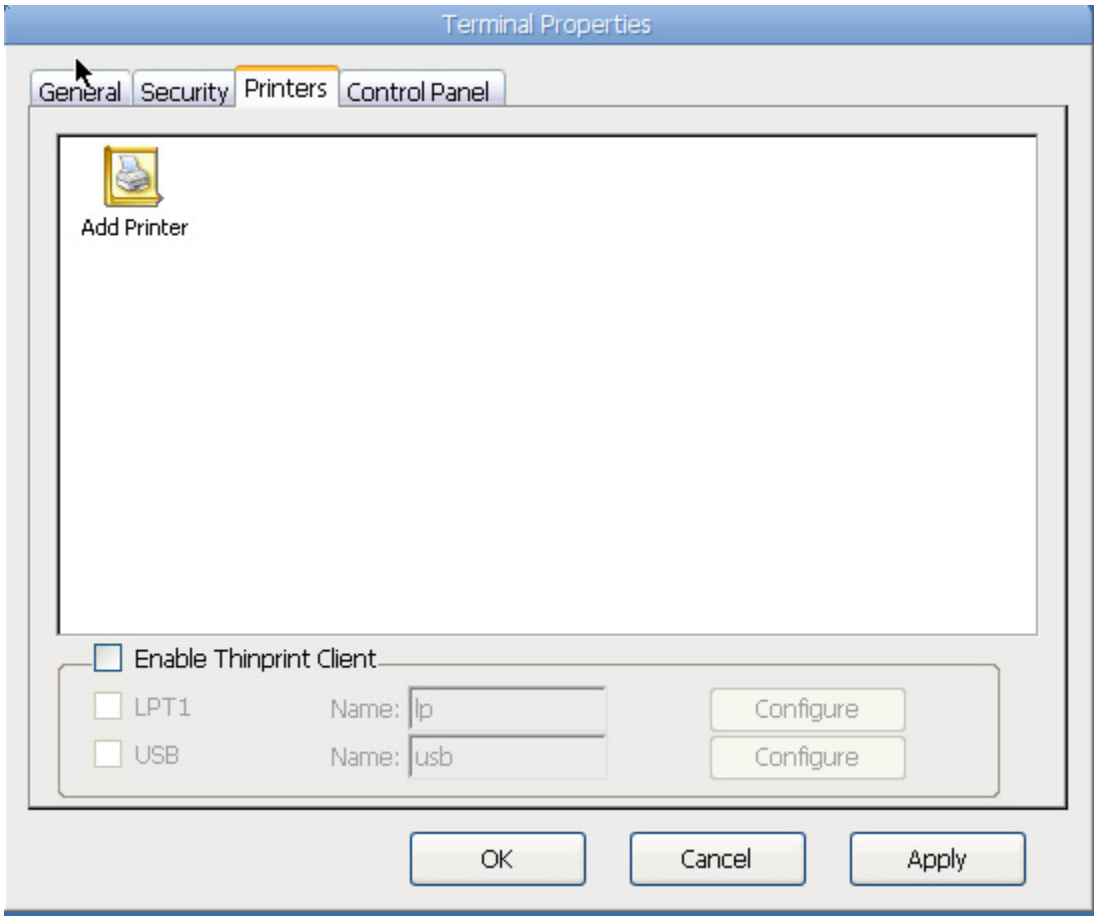
The Printer configuration allows you to configure the printing functions of the Thin Client terminal to be used when printing locally on non VDI builds such as printing through programs such as Open Office. This is also used when sharing the printer in a network environment.

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.

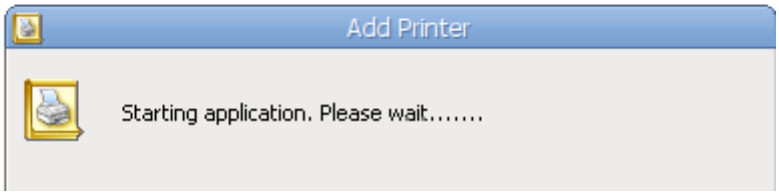
The RBT-VDI thin client support CUPS, a common UNIX printing system. It is aimed at providing a common printing interface across a local network, masking differences among the printing systems on each computer. CUPS provides interactivity with SMB and Windows printers.

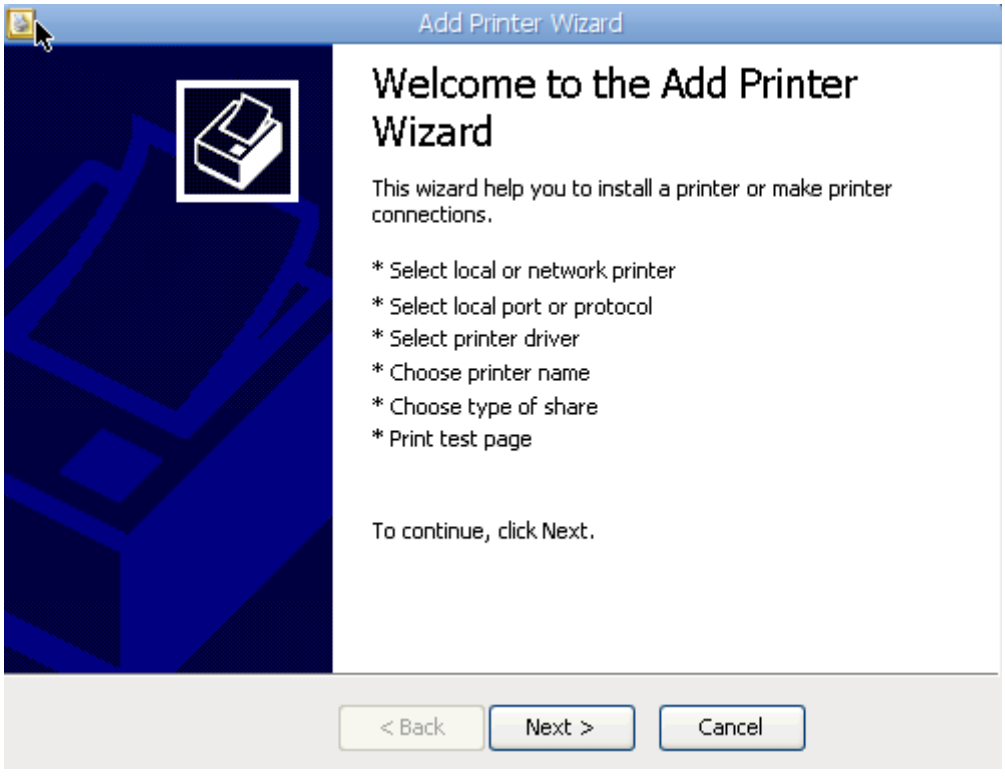
NOTE: If are using the Standard build and NOT the VDI build, 5250 and 3270 Printer sessions are configured totally separate from the printer configuration in Terminal Properties.

Select **Add Printer**:

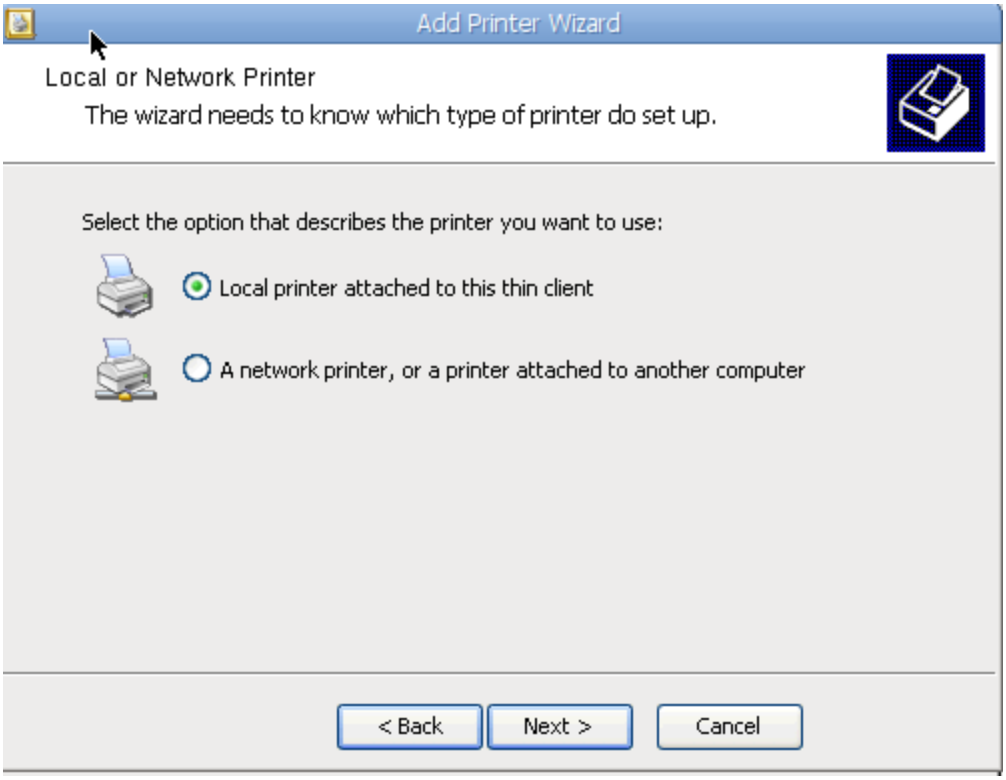


Add Printer

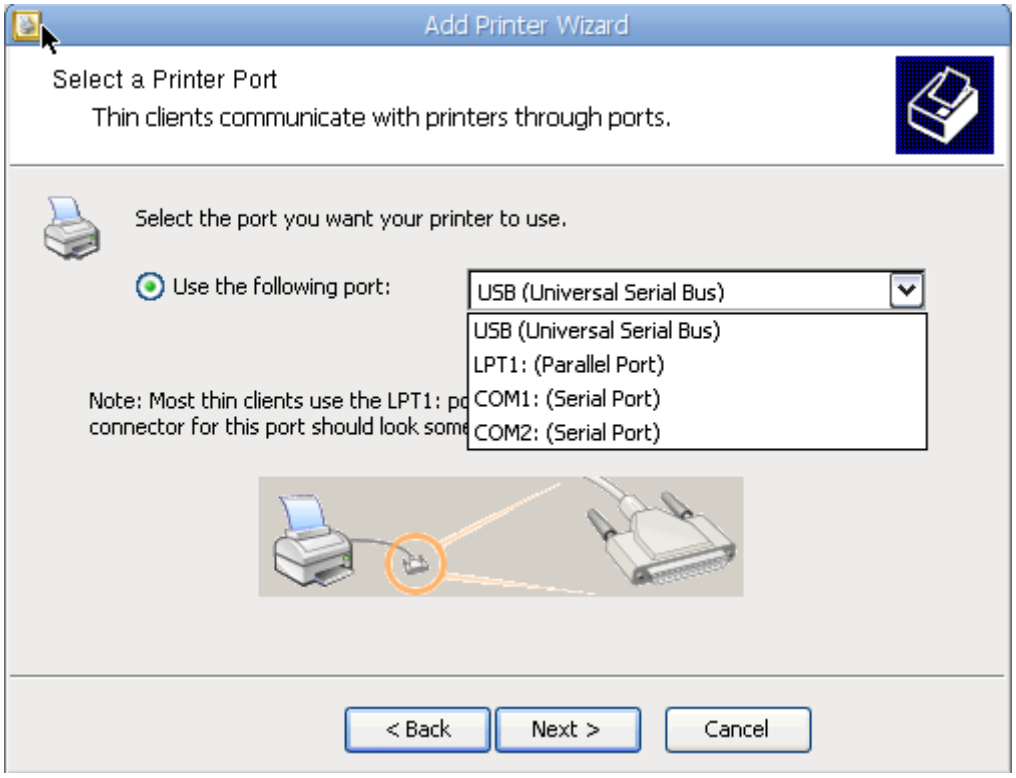

Add Printer
Starting application. Please wait.....


Add Printer Wizard
Welcome to the Add Printer Wizard
This wizard help you to install a printer or make printer connections.
* Select local or network printer
* Select local port or protocol
* Select printer driver
* Choose printer name
* Choose type of share
* Print test page
To continue, click Next.
< Back
Next >
Cancel

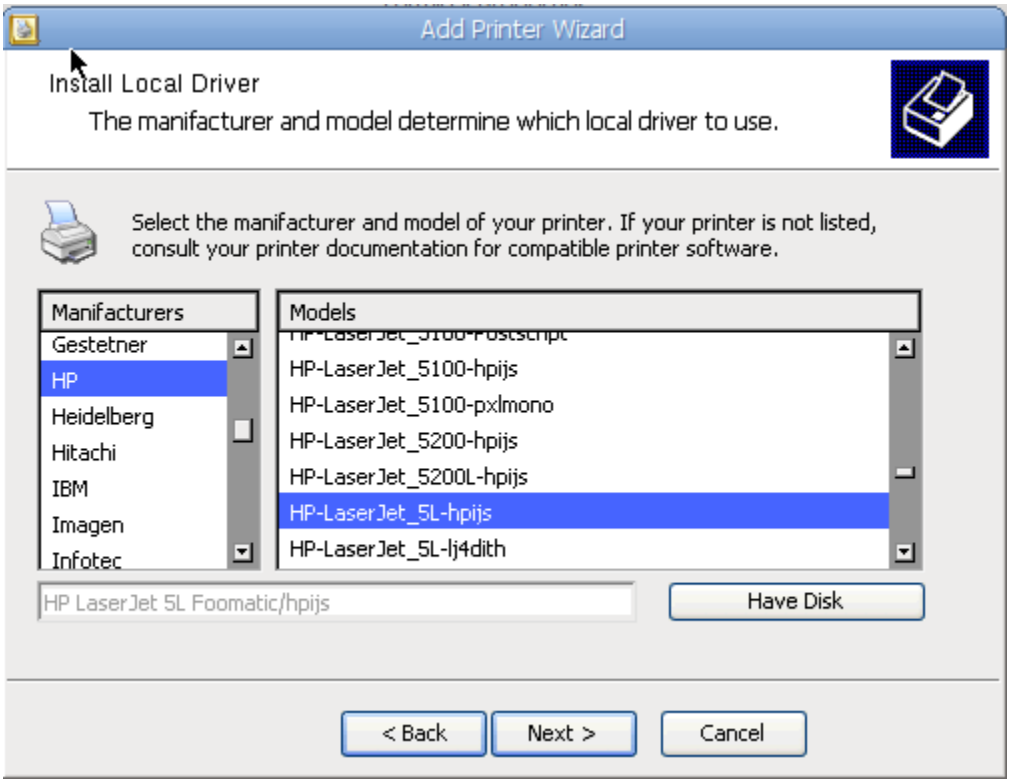
Adding a Local Printer



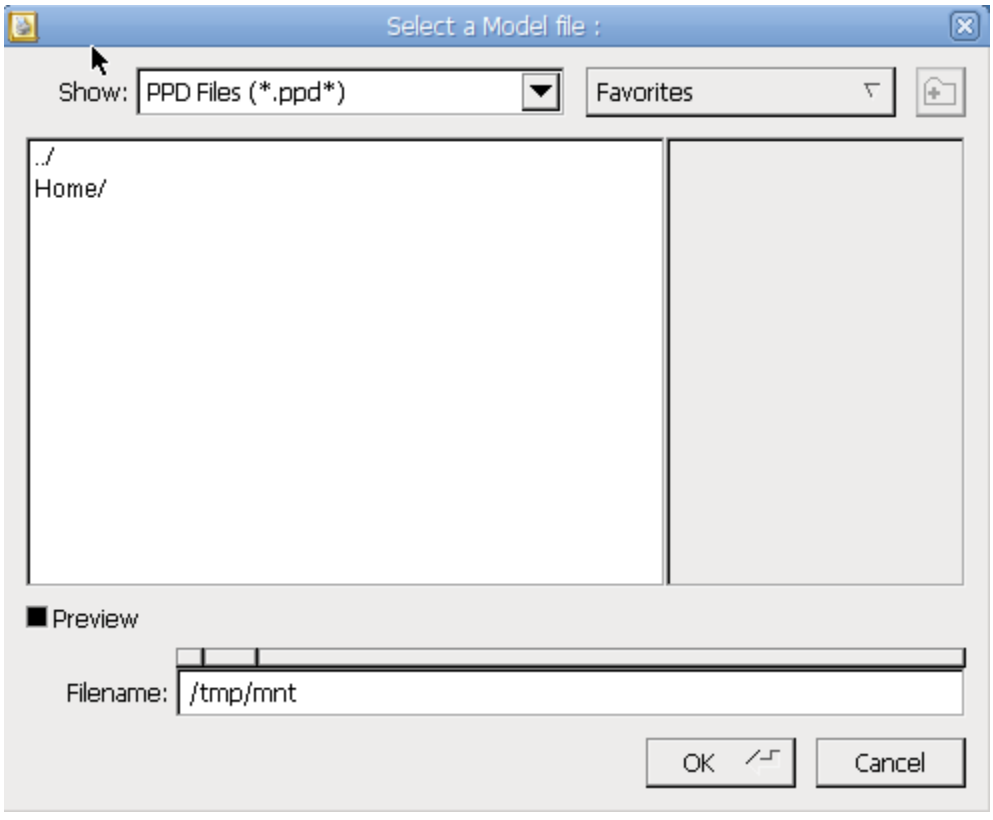
t

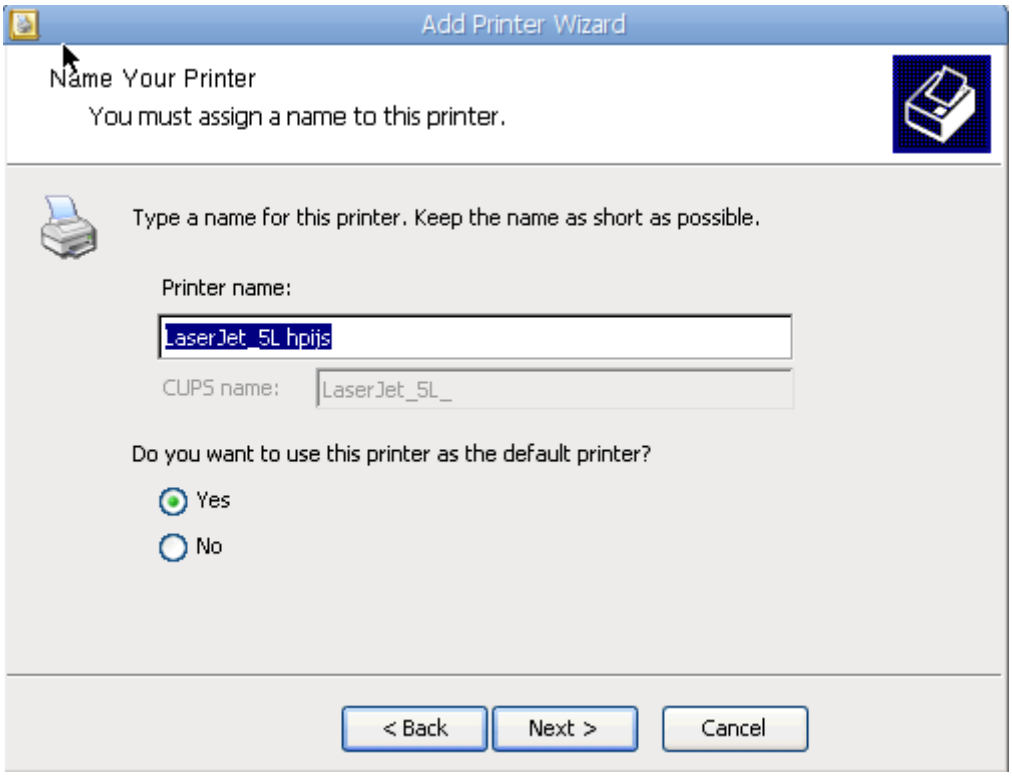


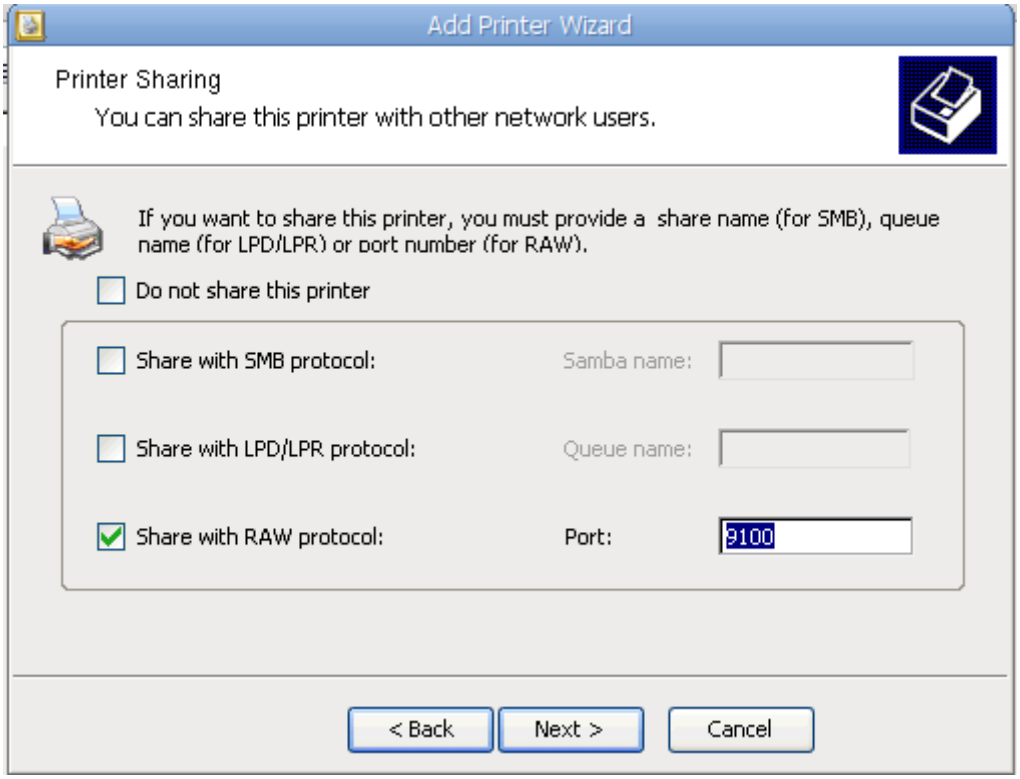
Although the unit may have multiple USB ports, only one USB printer connection can defined.



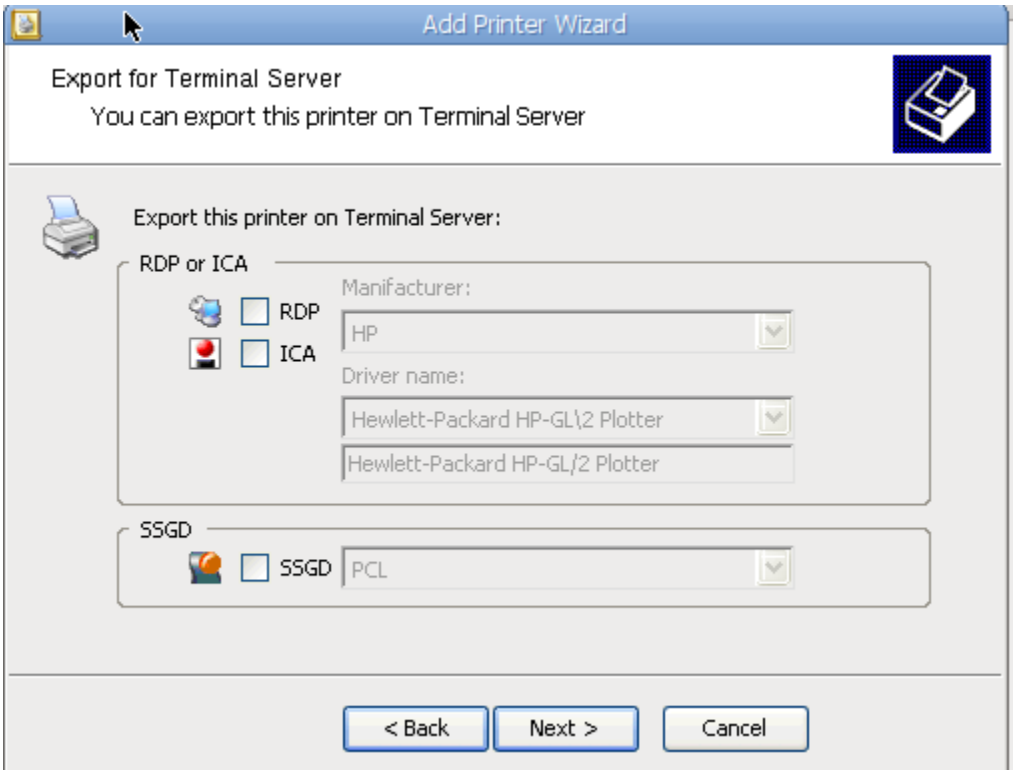
The image below would be displayed when Have Disk is selected.

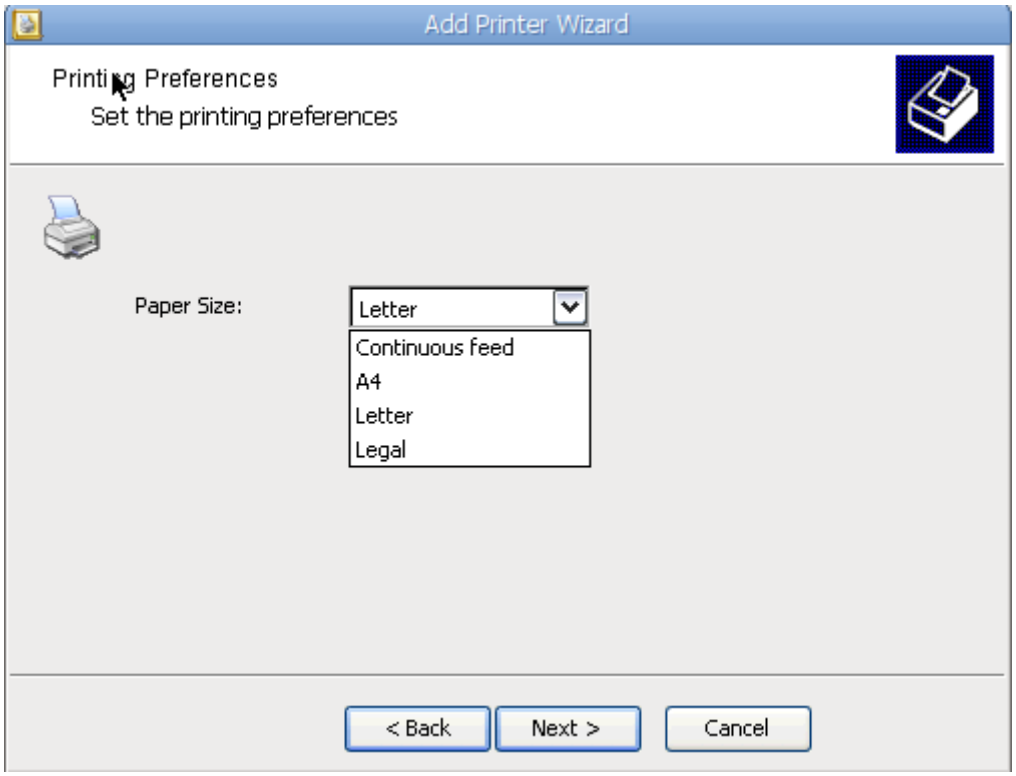




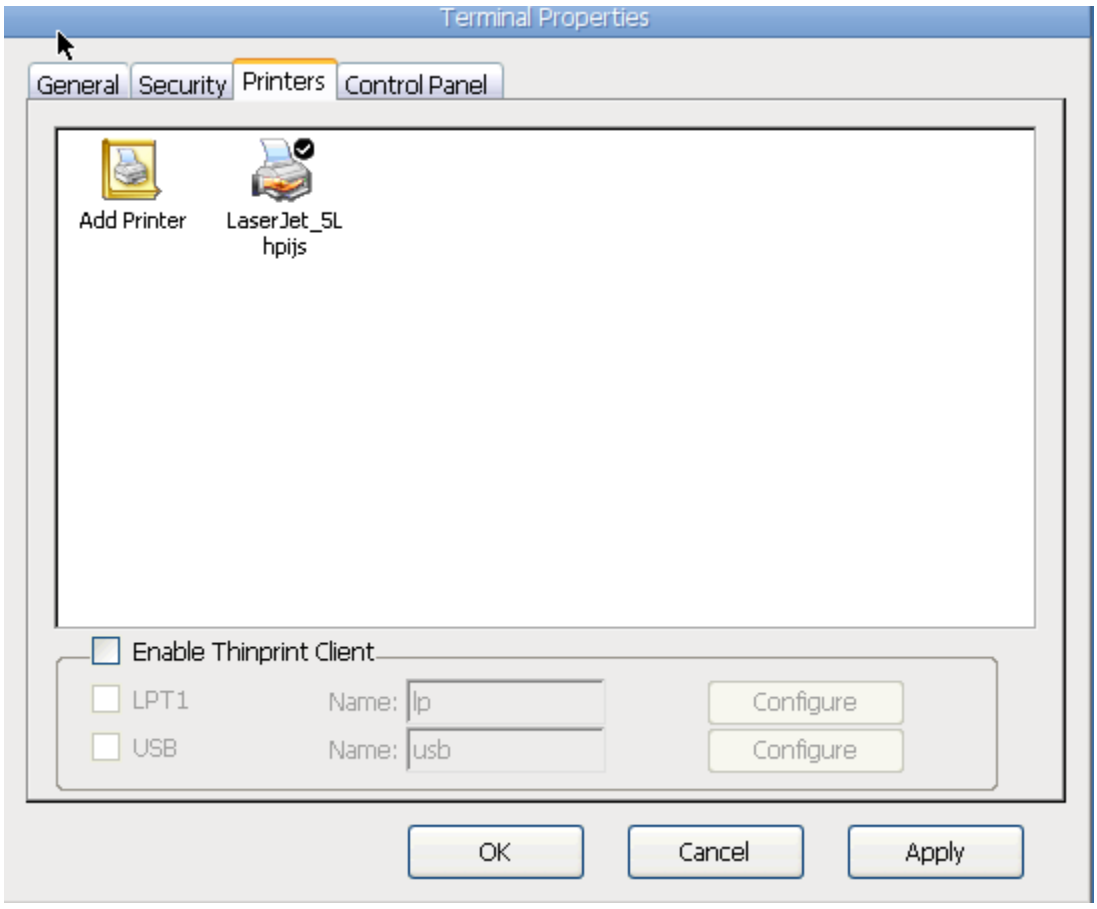


Queue name must be the same on the Printers tab and in the Network printer configuration.

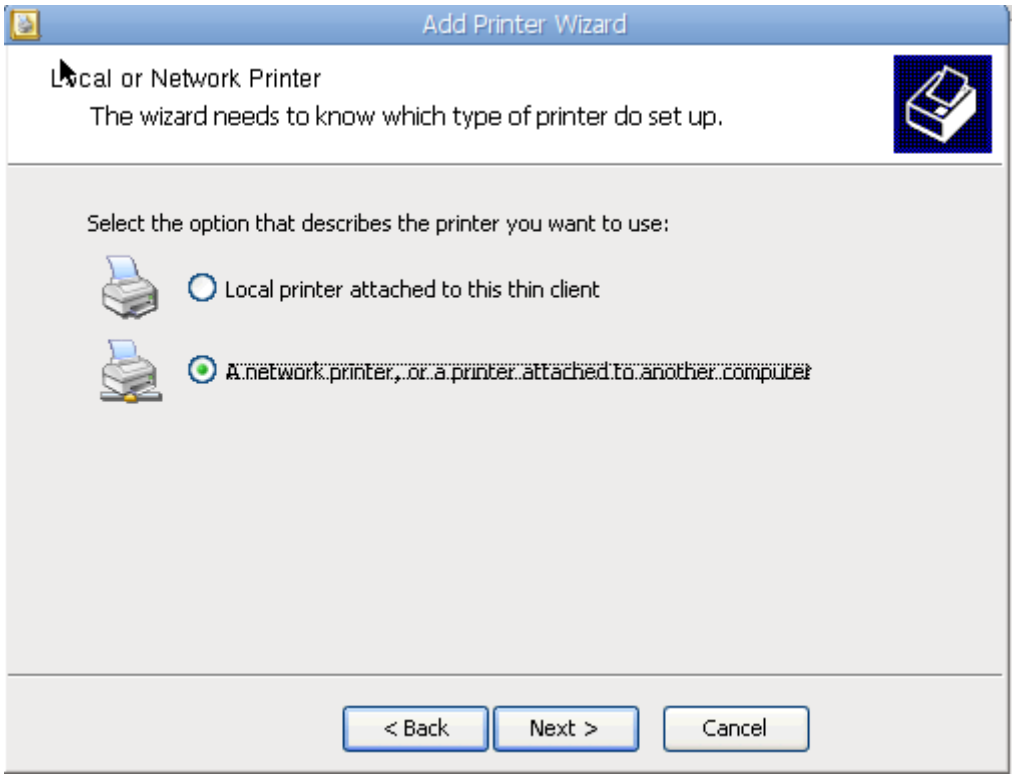

Add Printer Wizard
Export for Terminal Server
You can export this printer on Terminal Server
Export this printer on Terminal Server:
RDP or ICA
RDP
ICA
Manifacturer:
HP
Driver name:
Hewlett-Packard HP-GL\2 Plotter
Hewlett-Packard HP-GL/2 Plotter
SSGD
SSGD
PCL
< Back
Next >
Cancel

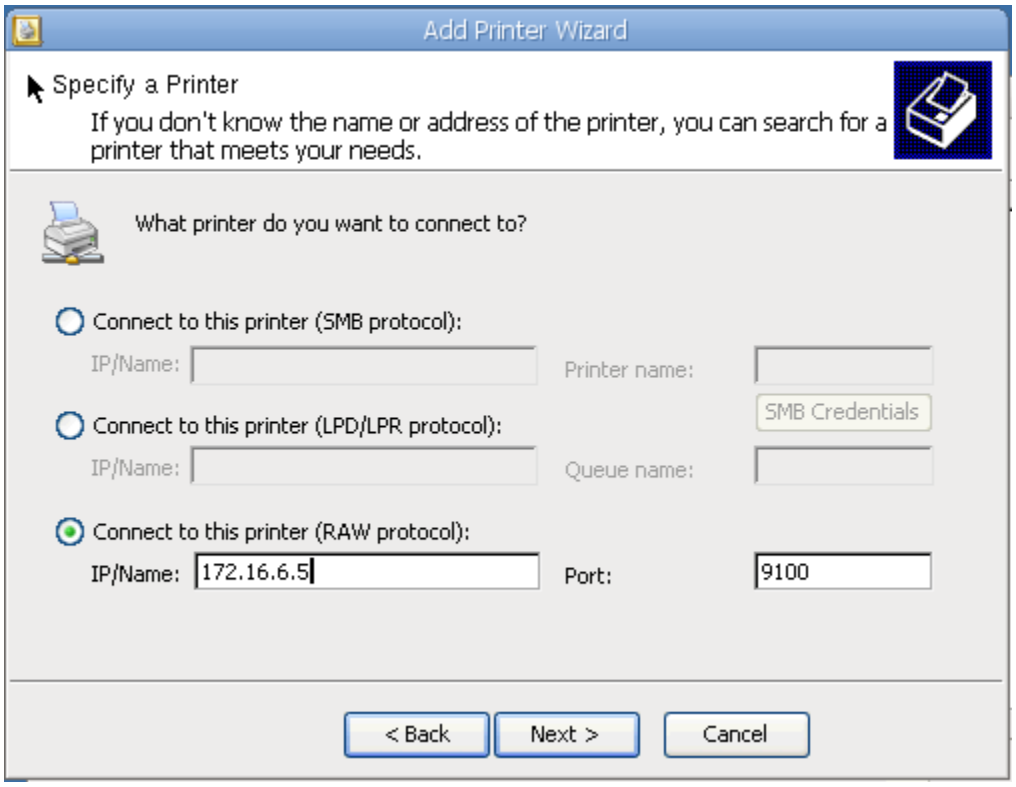

Add Printer Wizard
Printing Preferences
Set the printing preferences
Paper Size:
Letter
Continuous feed
A4
Letter
Legal
< Back
Next >
Cancel

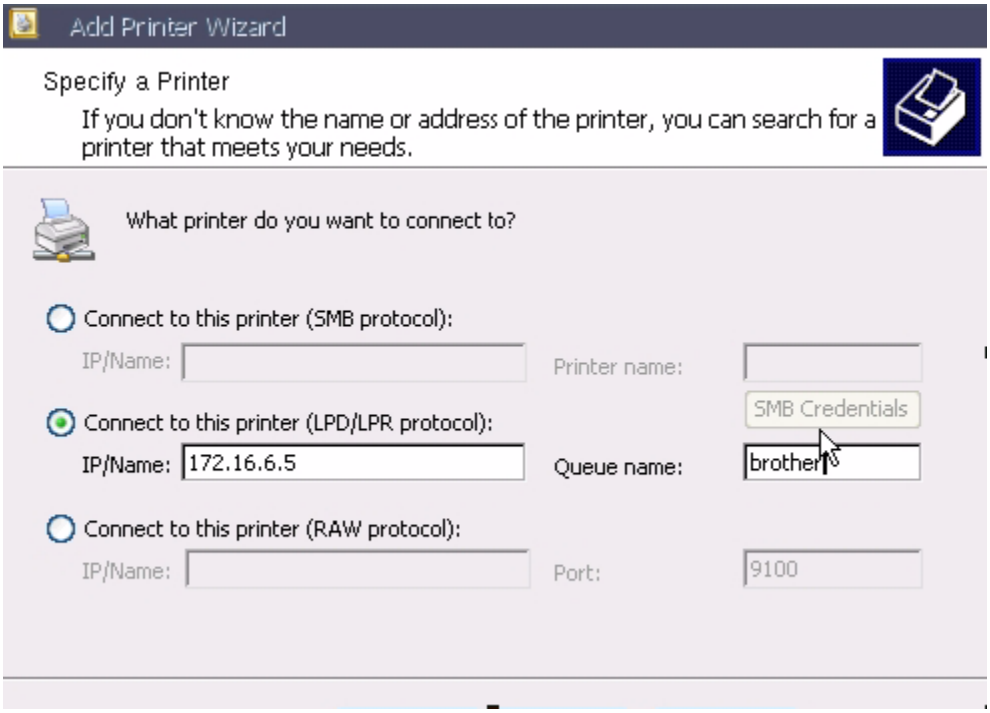
Add Printer Wizard
Completing the Add Printer Wizard
You have successfully completed the Add Printer Wizard.
You specified the following printer settings:
Name: LaserJet_5L hpijs
CUPS name: LaserJet_5L_
Port: USB
Model: HP LaserJet 5L Foomatic/hpijs
Paper Size: Letter
Default: Yes
Test page: No
Shared on RAW: 9100
To close this wizard, click Finish.
< Back
Finish
Cancel

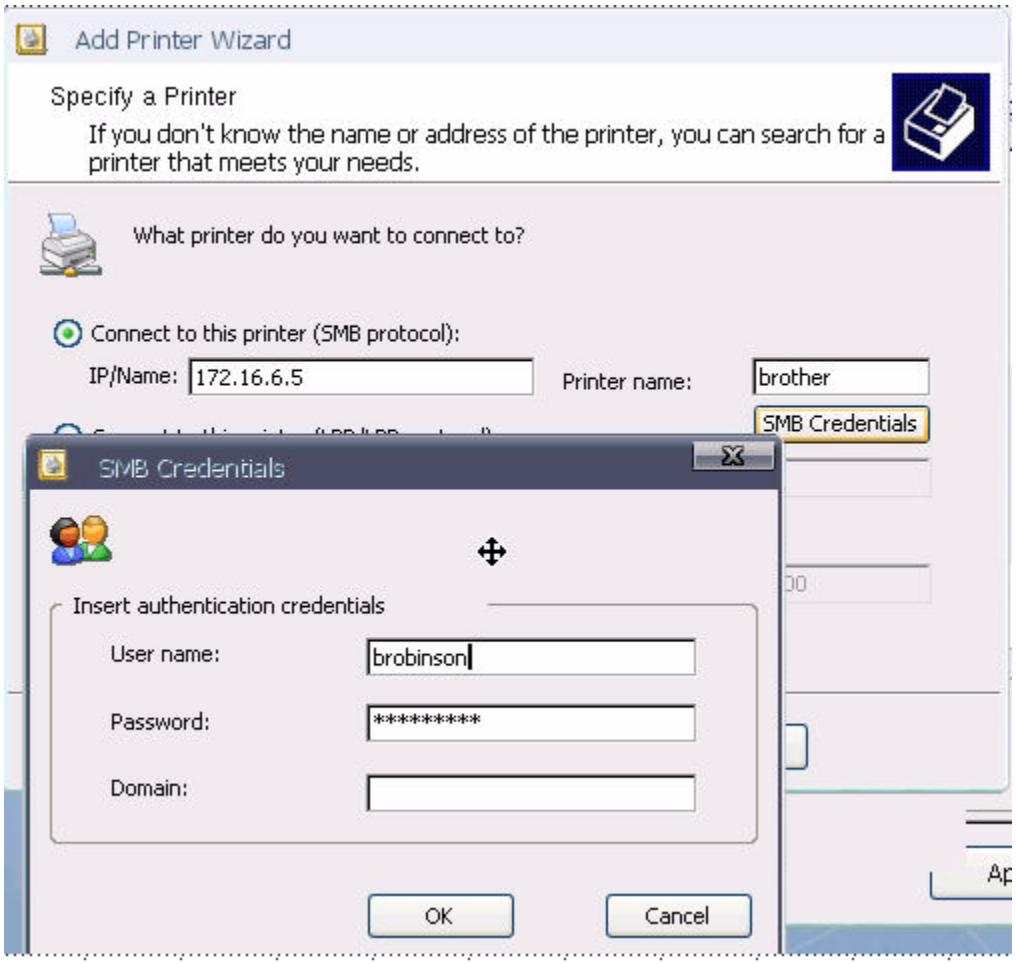

Terminal Properties
General
Security
Printers
Control Panel
Add Printer
LaserJet_5L hpijs
Enable Thinprint Client
LPT1
Name: lp
Configure
USB
Name: usb
Configure
OK
Cancel
Apply

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:
SMB Credentials
Connect to this printer (LPD/LPR protocol):
IP/Name:
Queue name:
Connect to this printer (RAW protocol):
IP/Name: 172.16.6.5
Port: 9100
< Back
Next >
Cancel


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:
SMB Credentials
Connect to this printer (LPD/LPR protocol):
IP/Name: 172.16.6.5
Queue name: brother
Connect to this printer (RAW protocol):
IP/Name:
Port: 9100



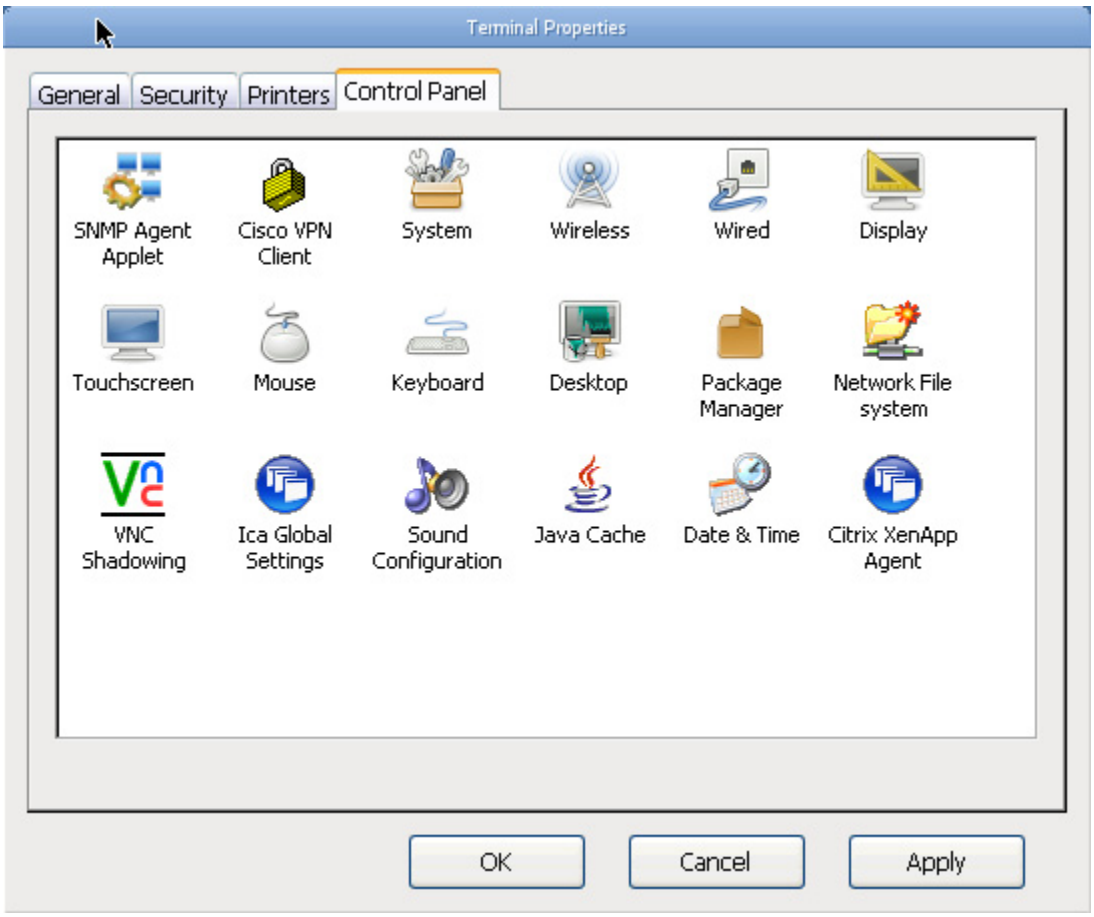
NOTE:

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.

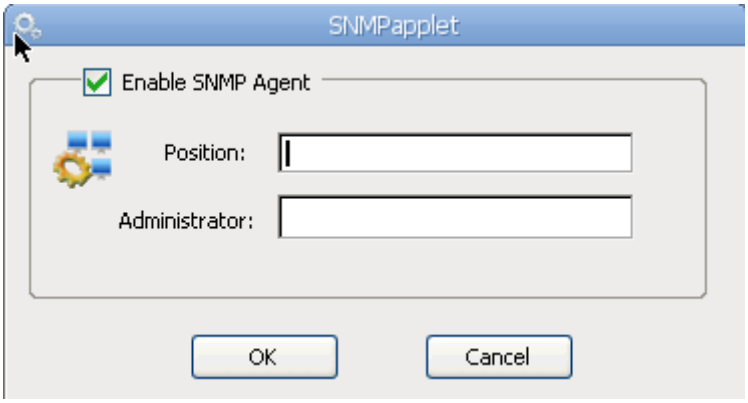
Terminal Properties - Control Panel Tab

The Control Panel configuration page allows the configuration of:

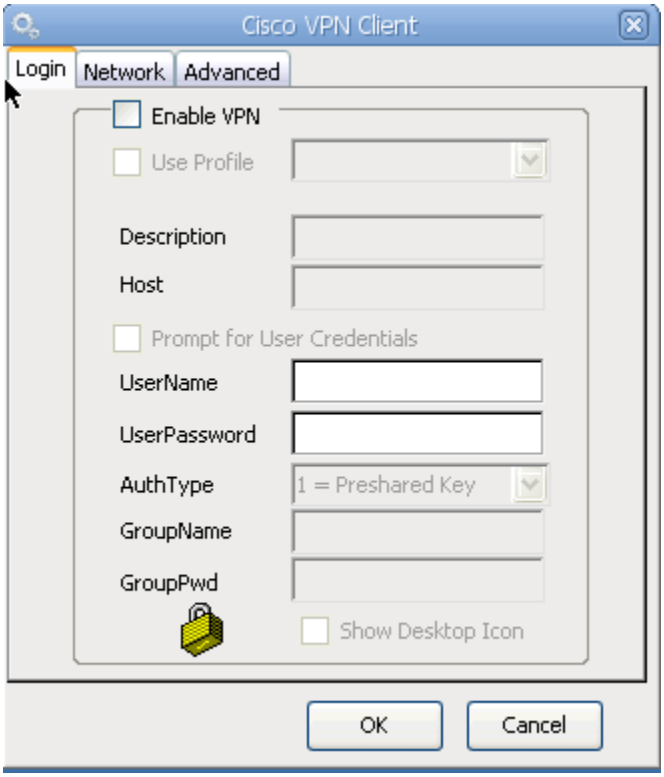
SNMP Agent Applet, Cisco VPN Client, System, Wireless, Wired, Display, Touchscreen, Mouse, Keyboard, Desktop, Network File System, VNC Shadowing, ICA Global Settings, Sound Configuration, Java Cache, Date & Time and Citrix XenApp Agent.



SNMP Agent Applet

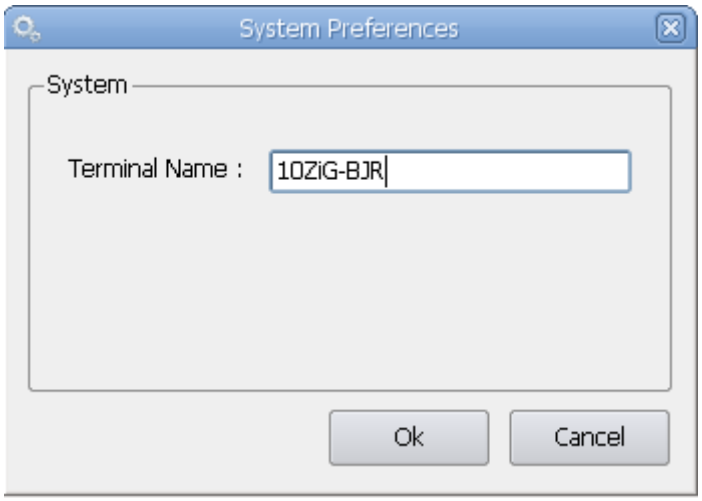


Cisco VPN Client



System

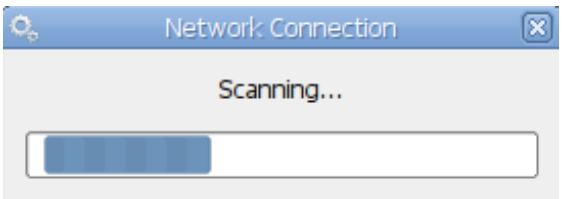
Set the name of the thin client



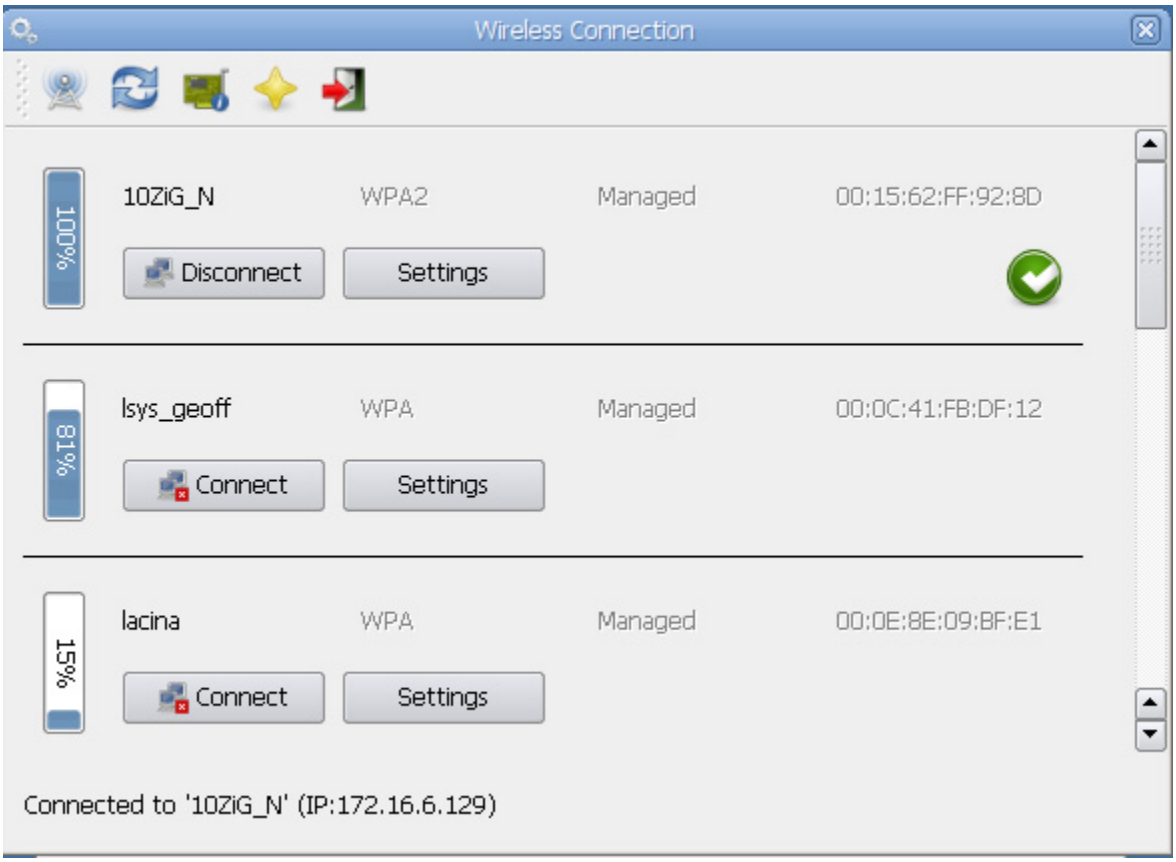
Wireless

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

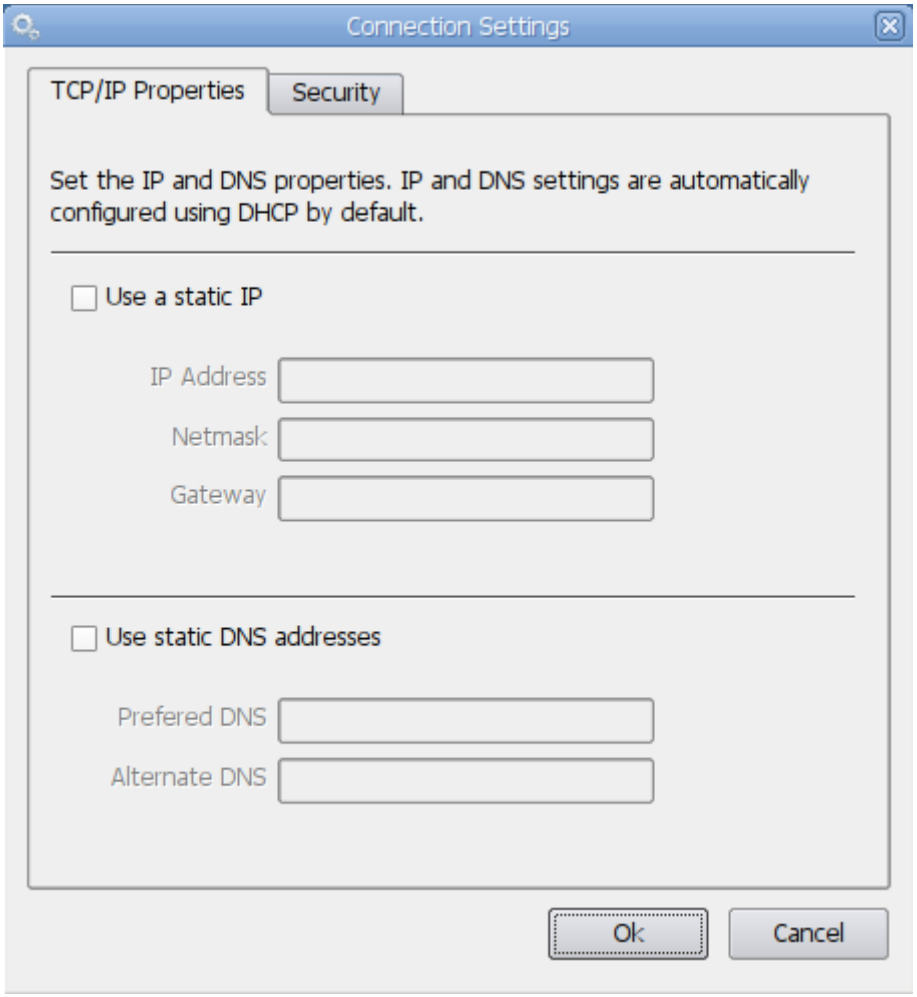


All wireless networks found will be displayed.



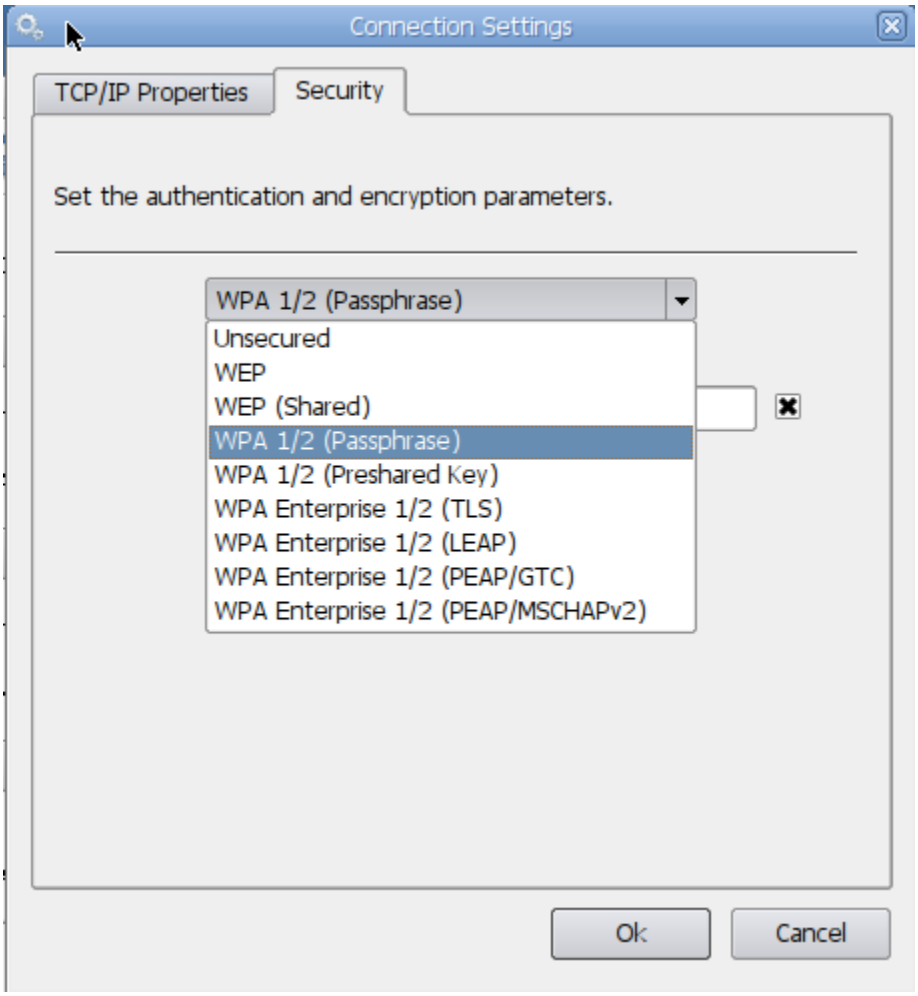
Select Settings to configure encryption

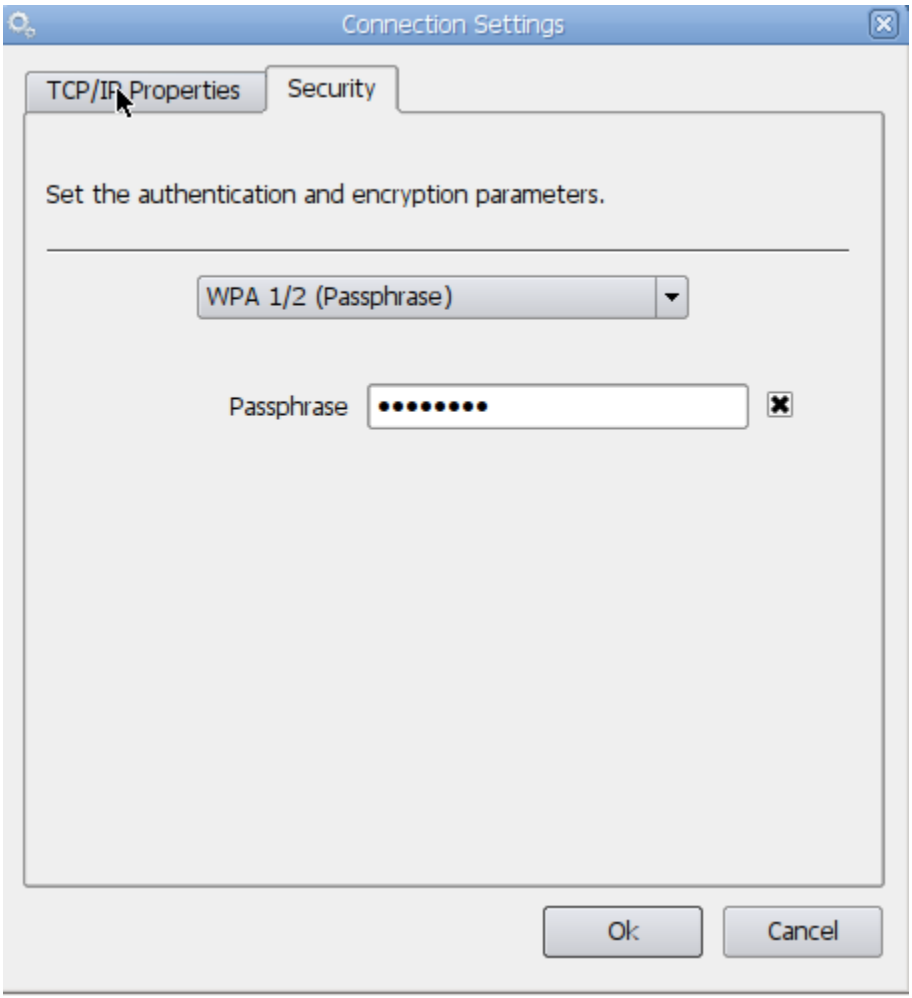
TCP/IP PROPERTIES



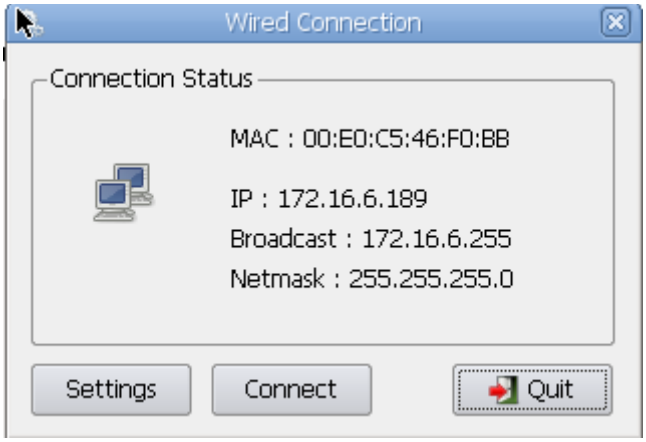
SECURITY

Select encryption type




Connection Settings
TCP/IP Properties
Security
Set the authentication and encryption parameters.
WPA 1/2 (Passphrase)
Passphrase
Ok
Cancel

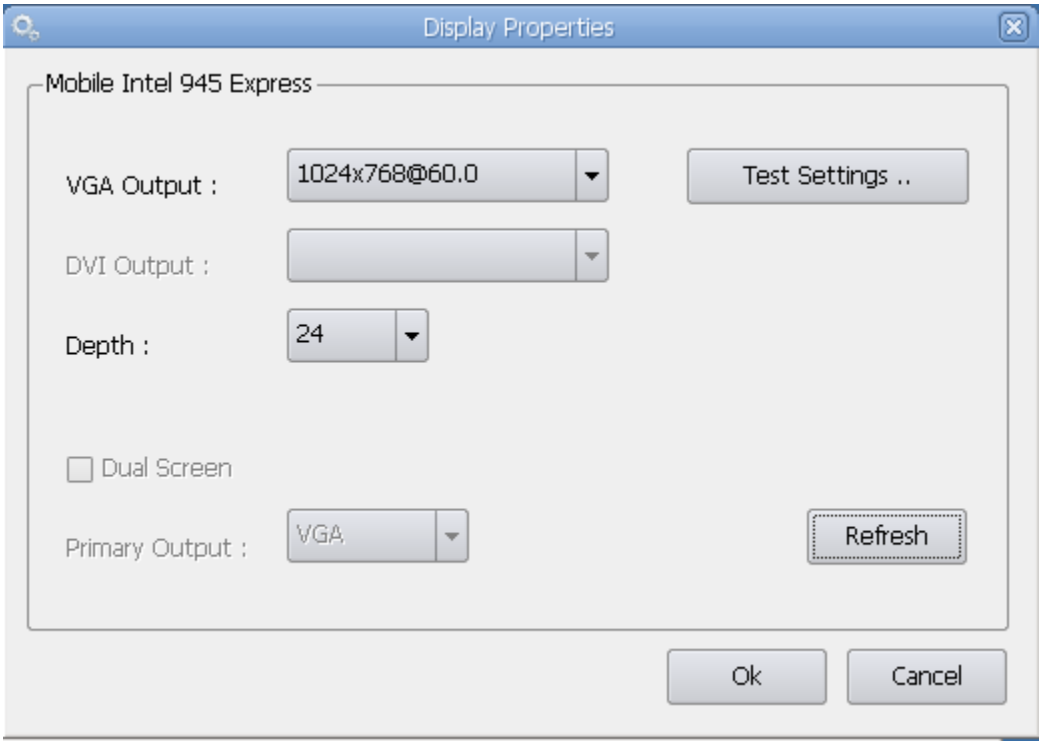
Wired



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

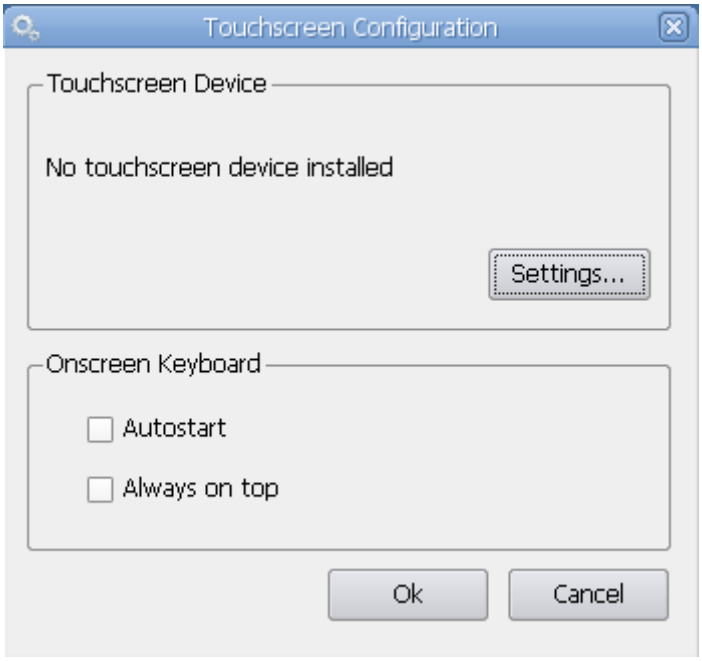
Display

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



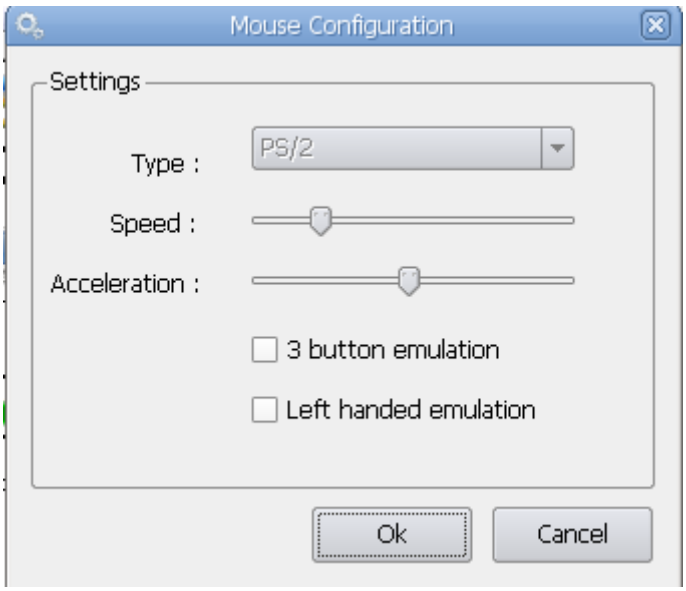
Touchscreen

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

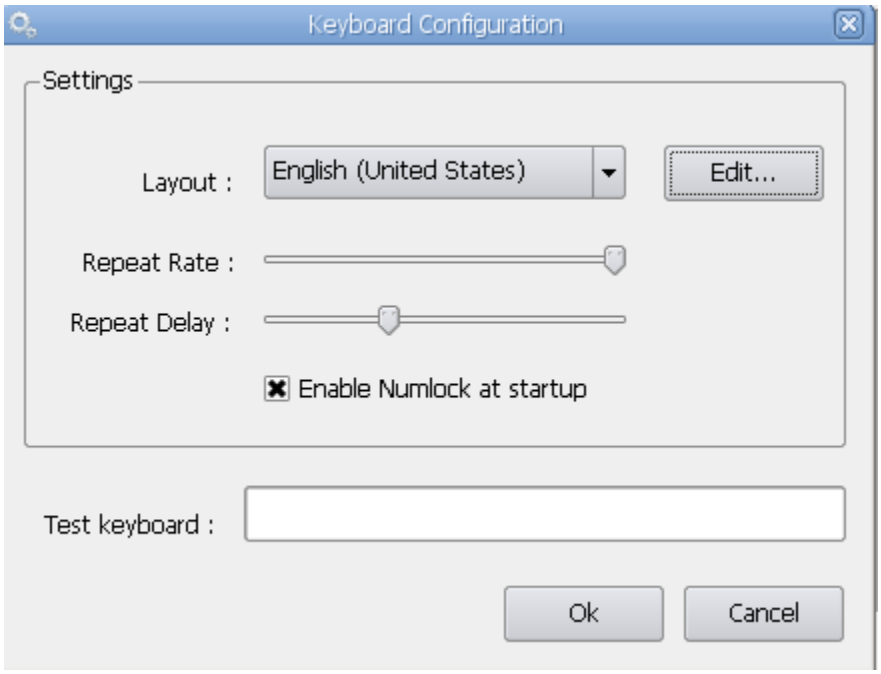


Mouse Configuration

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

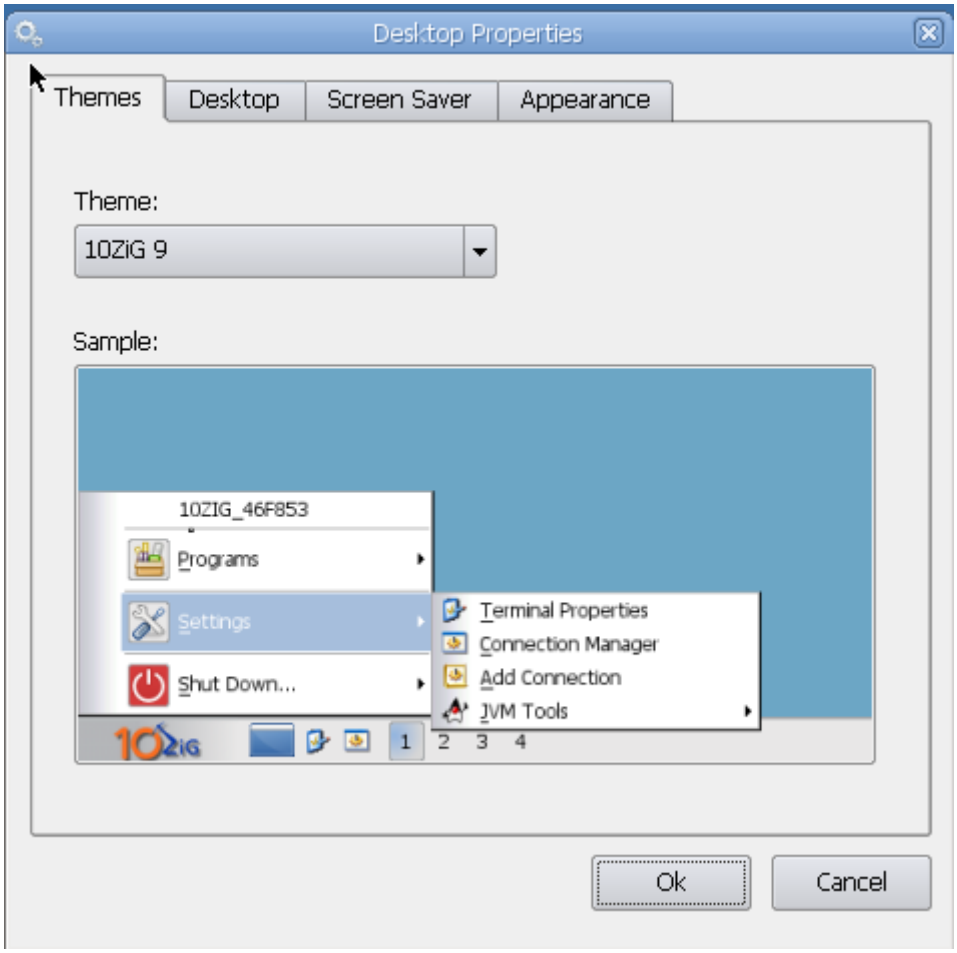


Keyboard Configuration

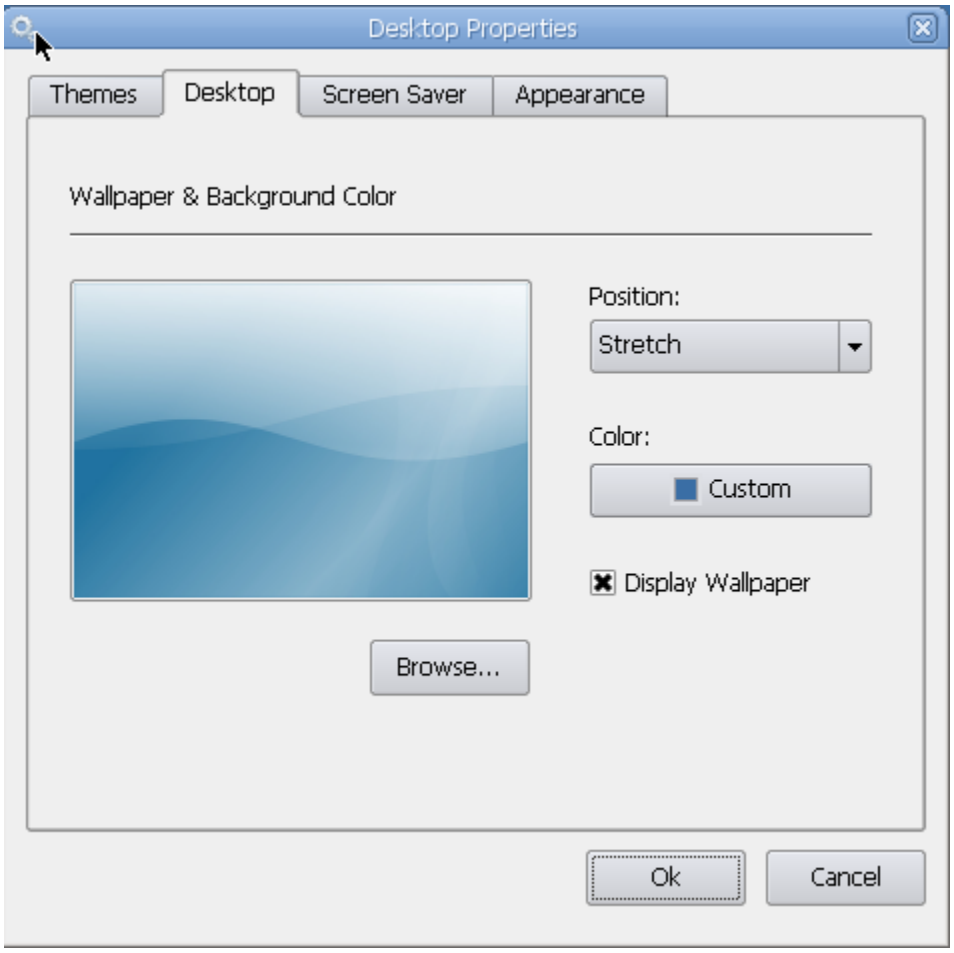


Desktop

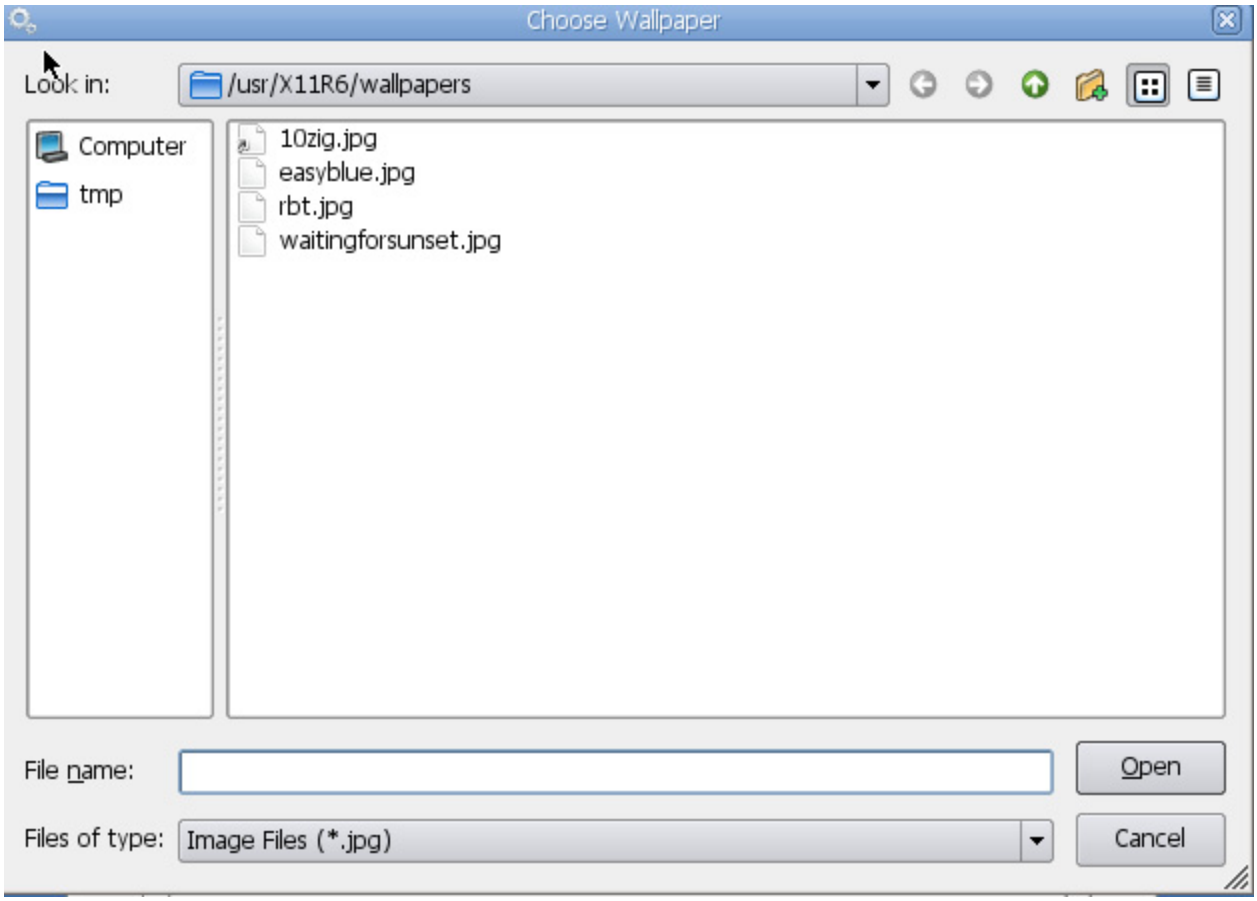
THEMES



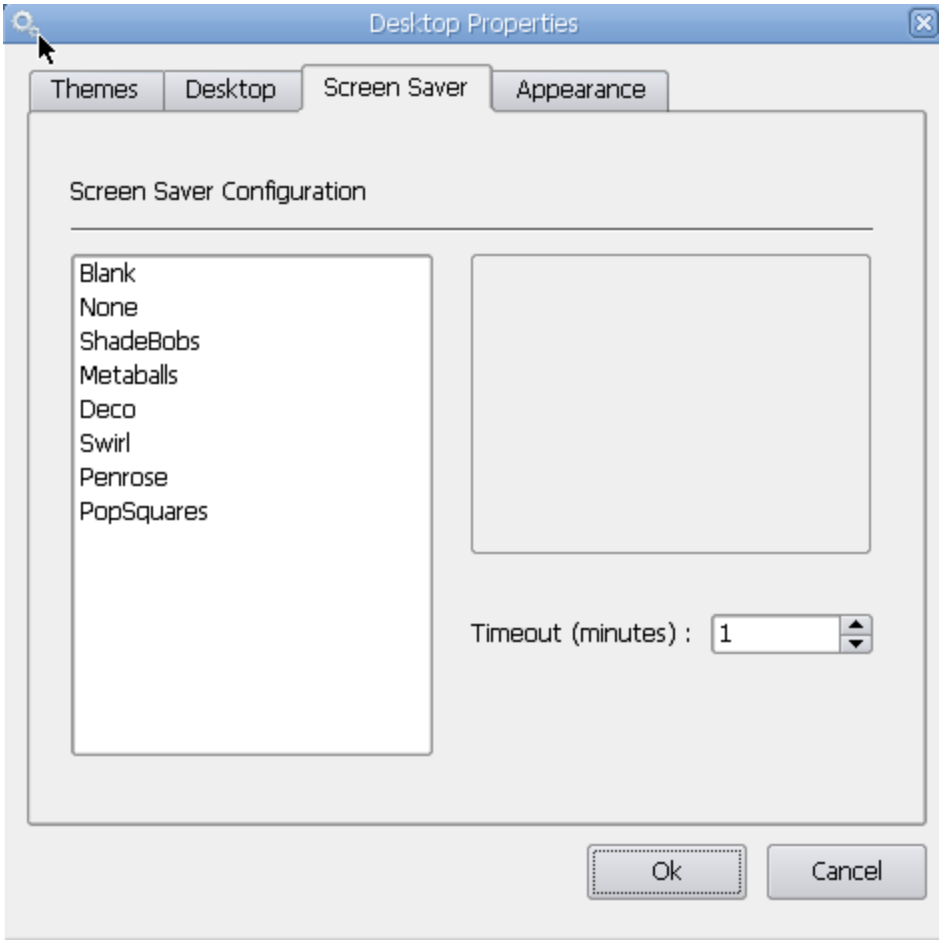
DESKTOP


Desktop Properties
Themes
Desktop
Screen Saver
Appearance
Wallpaper & Background Color
Position:
Stretch
Color:
Custom
Display Wallpaper
Browse...
Ok
Cancel

Select Browse to customize wallpaper

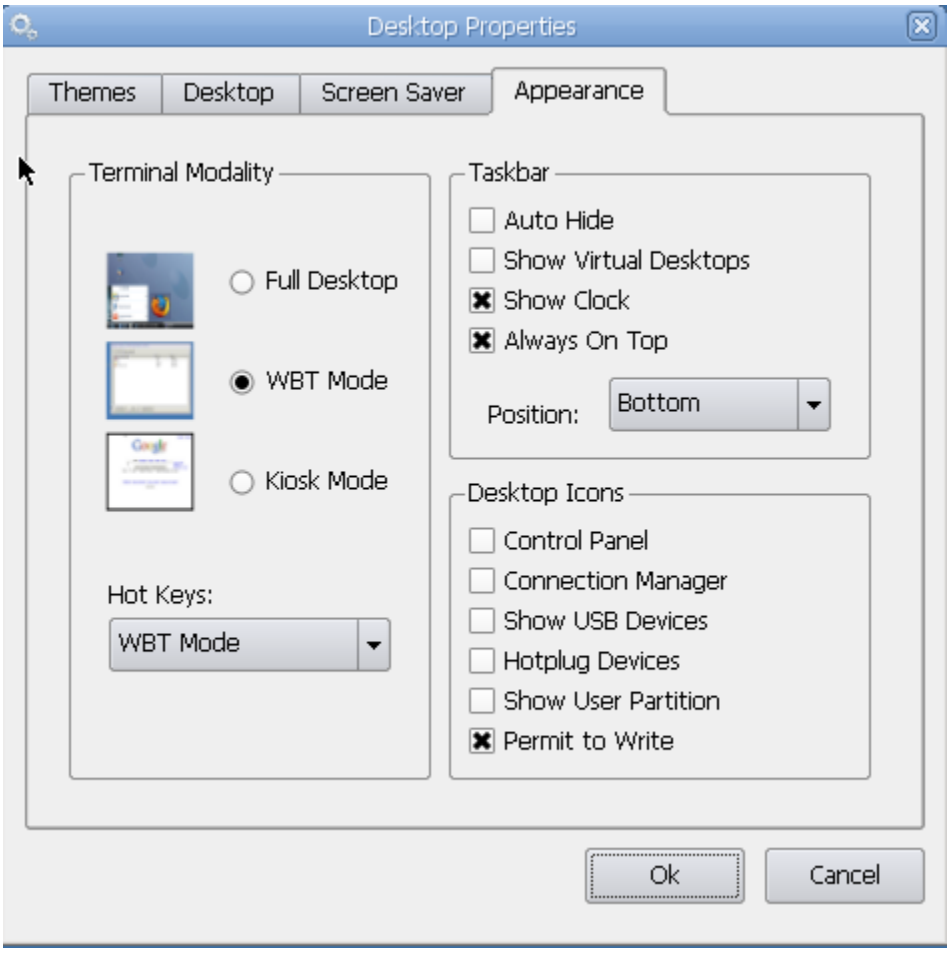


SCREEN SAVER



APPEARANCE

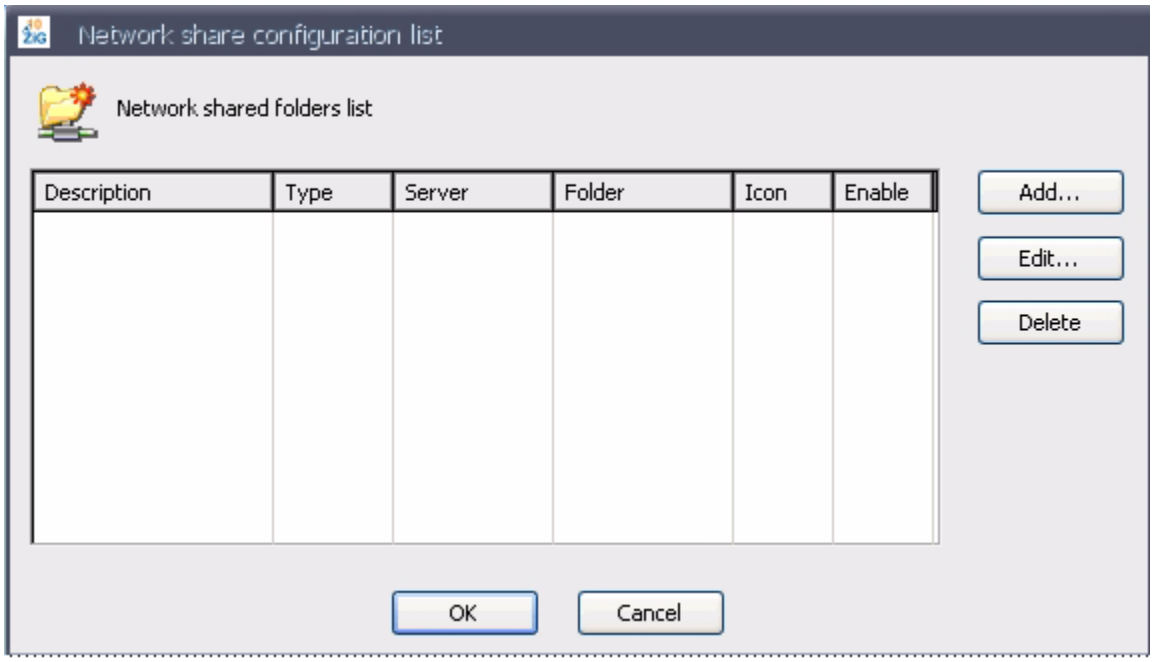
Set Terminal Modality, Taskbar appearance and Desktop ICONS



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.

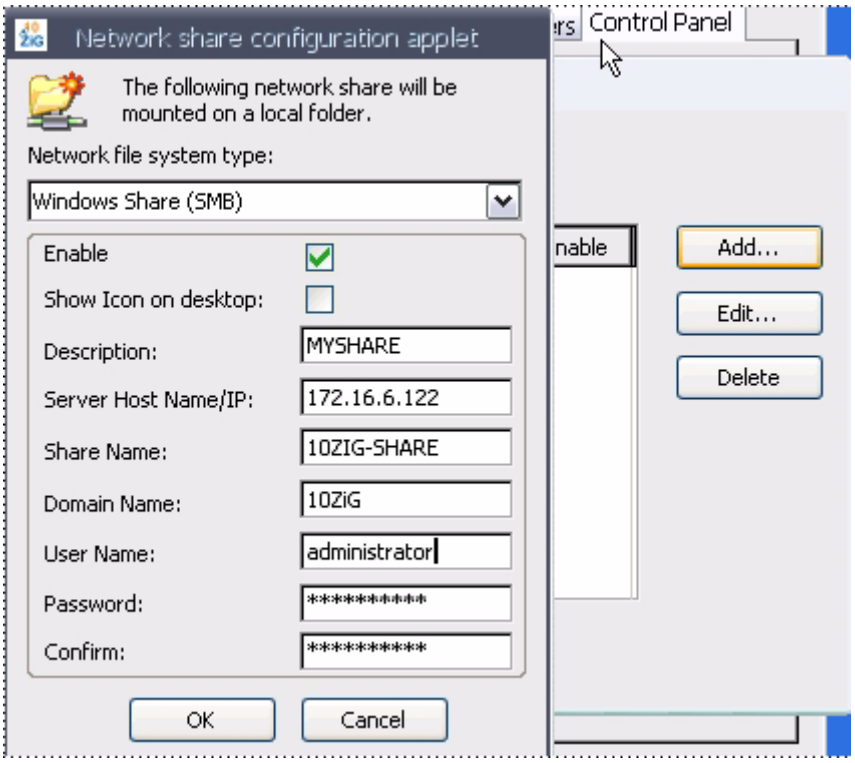
Network File System

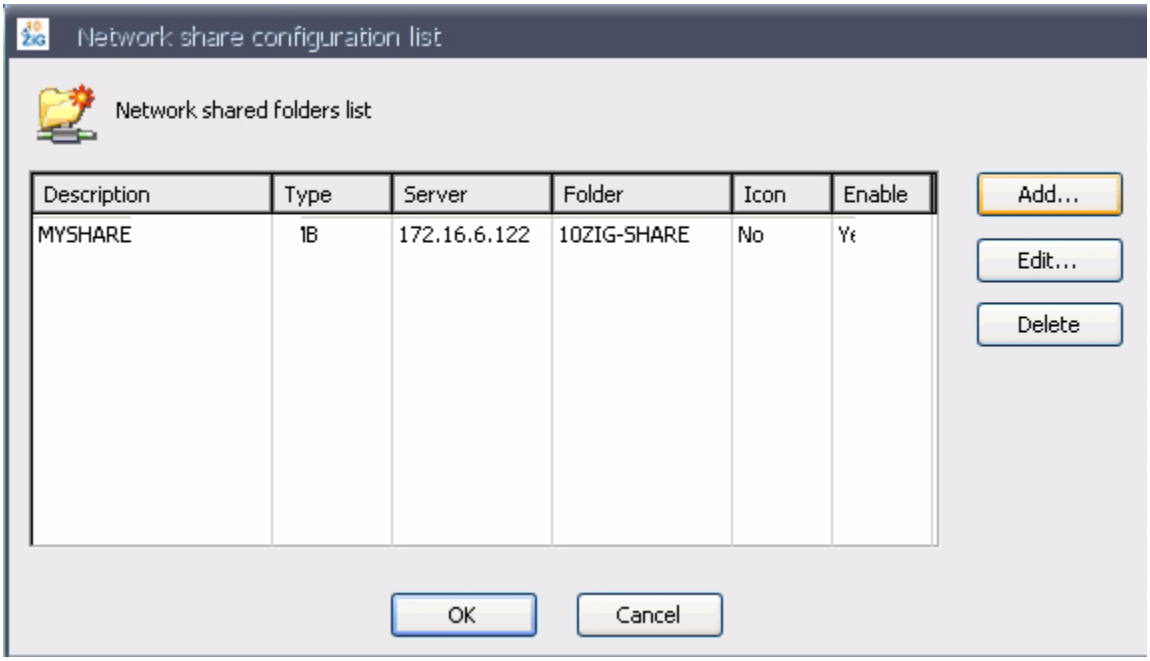
NFS file systems are typically exported by other Linux/Unix servers and SMB file systems are typically exported by Windows based machines. To automatically mount NFS or SMB network file systems select the Network File System type. For NFS file system (Linux File Systems), the User and Password fields 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.

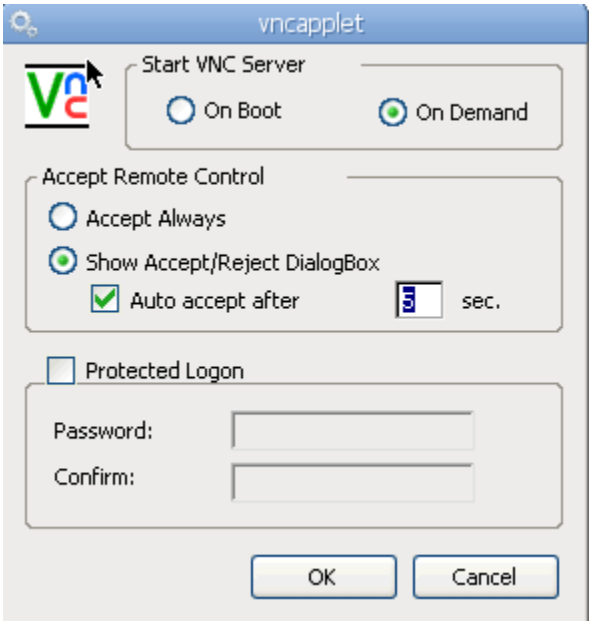
For an NFS share, select the file system type NFS and complete the required host name or IP and share name.



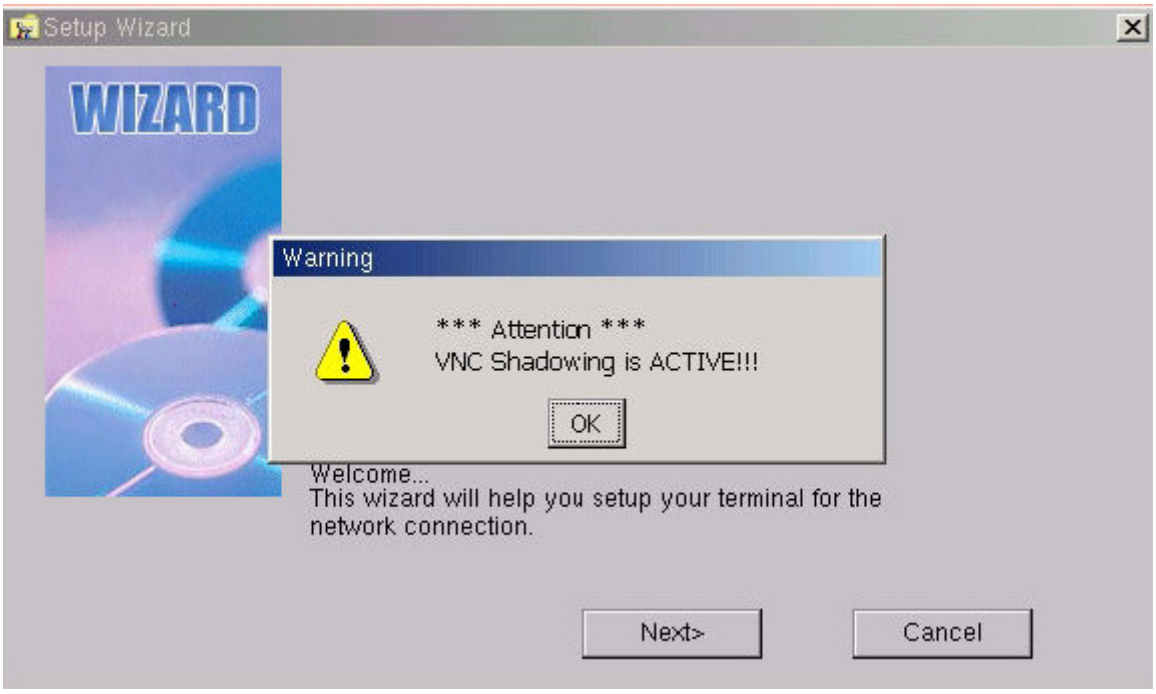


VNC Shadowing

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

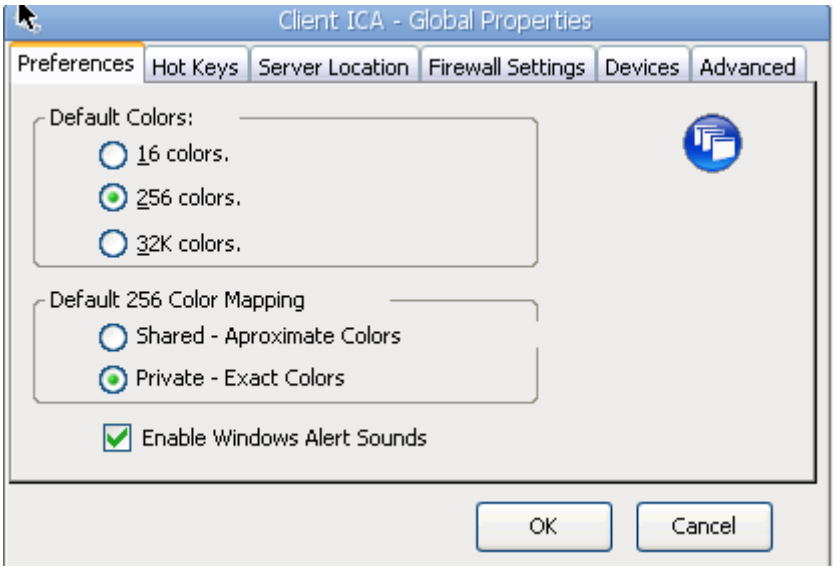


A password can be assigned to the unit by selecting Protected Logon and completing the password information.

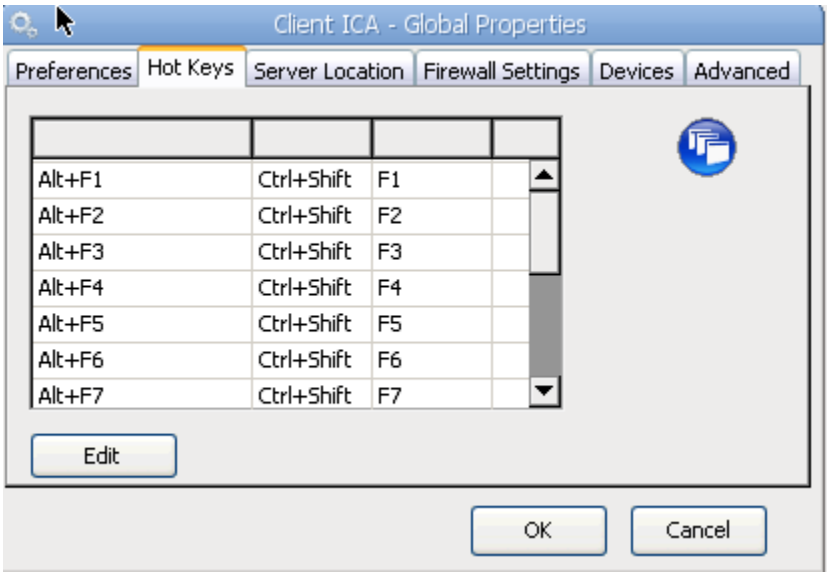


ICA Global Settings

PREFERENCES

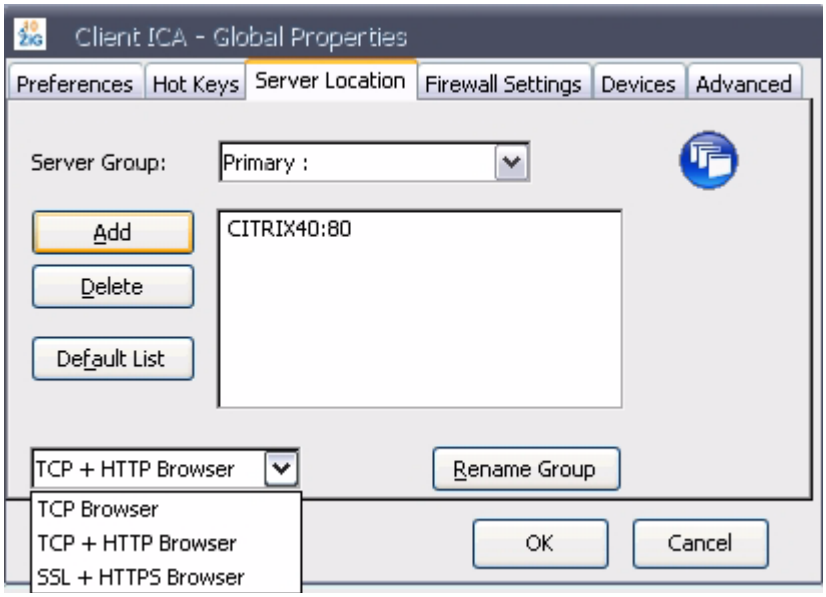


HOT KEYS

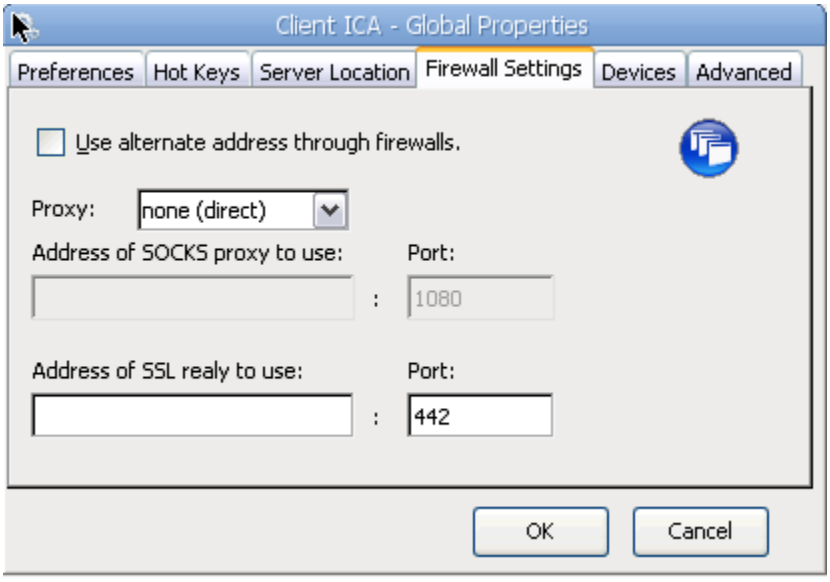


SERVER LOCATION

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

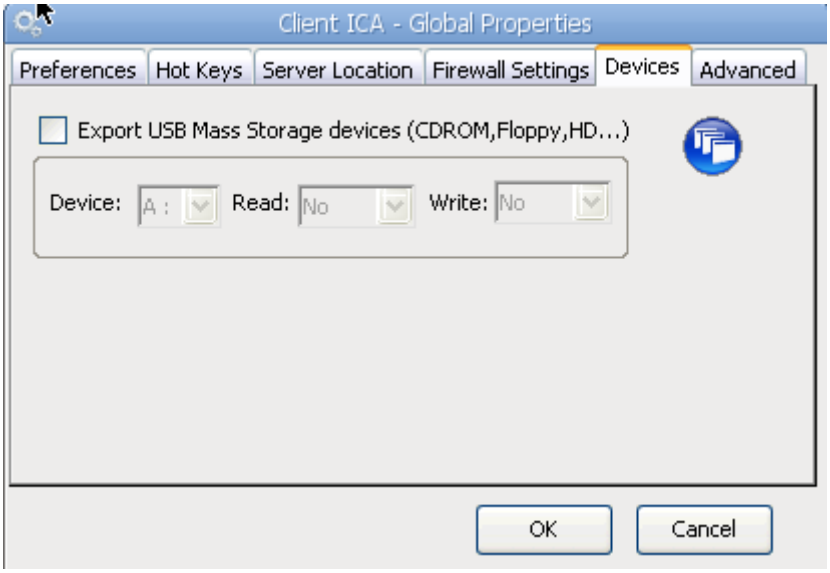


FIREWALL SETTINGS

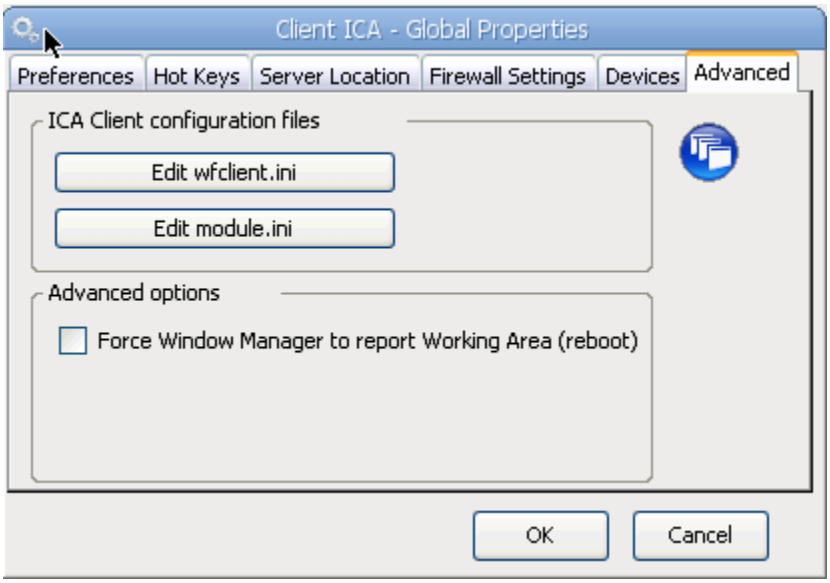


DEVICES

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

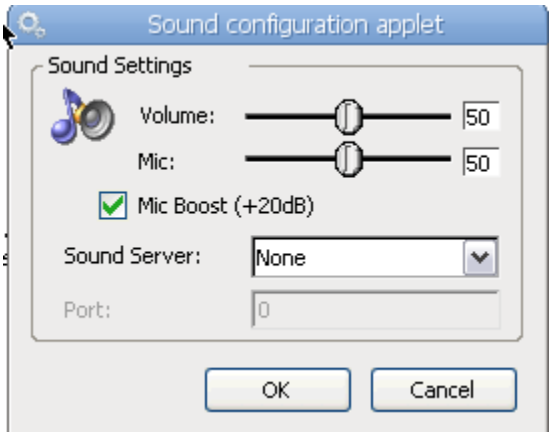


ADVANCED



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.

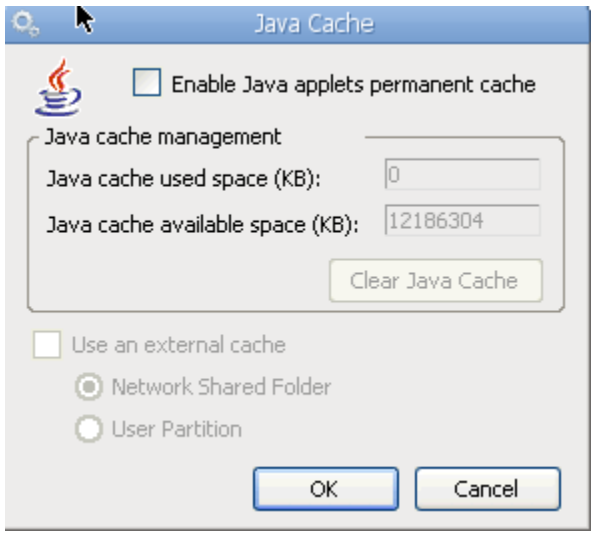


This can be used with SGD or NXclient to have sound with the desktop.

Java Cache

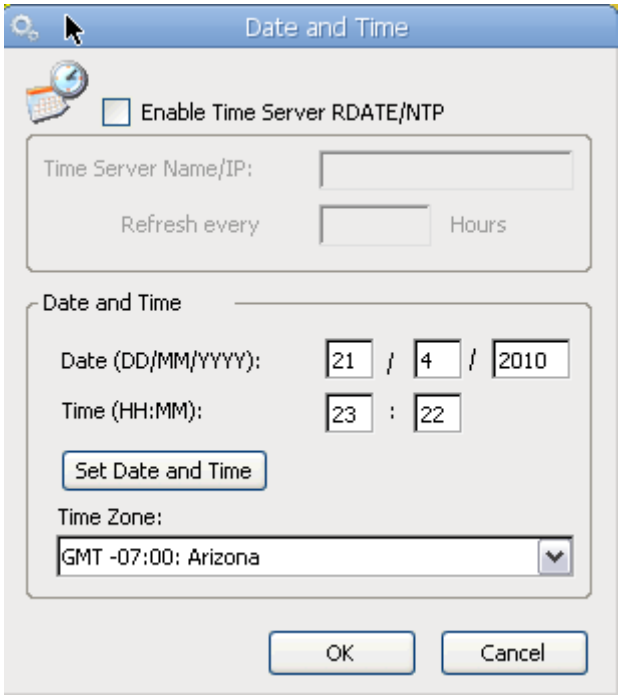
Check Enable Java applets permanent cache to enable Java cache management. To clear the Java Cache, select the Clear Java Cache button.

NOTE: This feature is not supported on all models

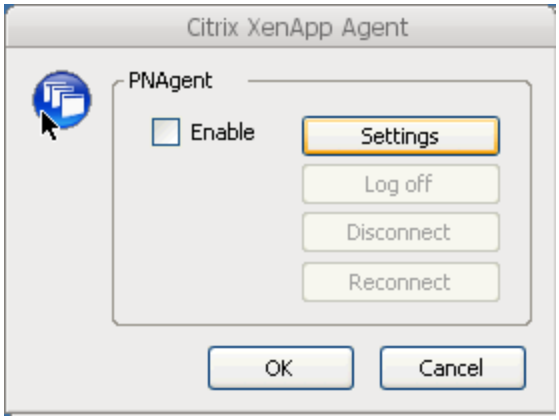


Date & Time

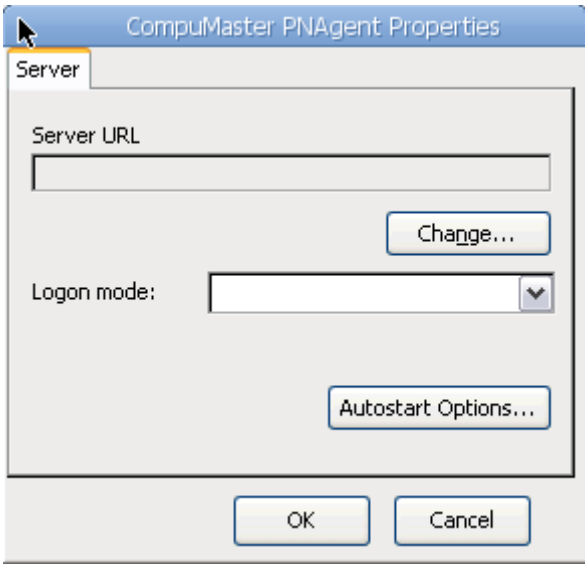
Check Enable Time Server RDATE/NTP and enter the time server full qualified domain name or IP to use the time server or set the date and time manually.



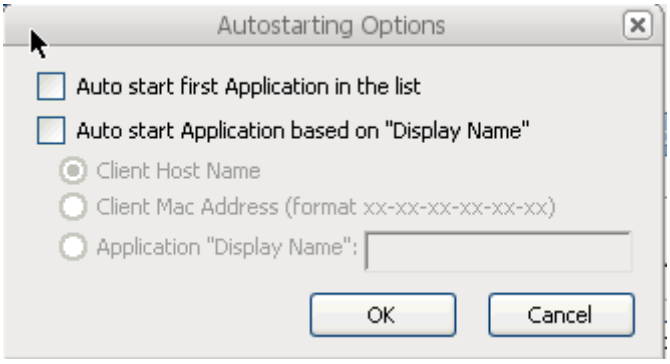
Citrix XenApp Agent



SETTINGS

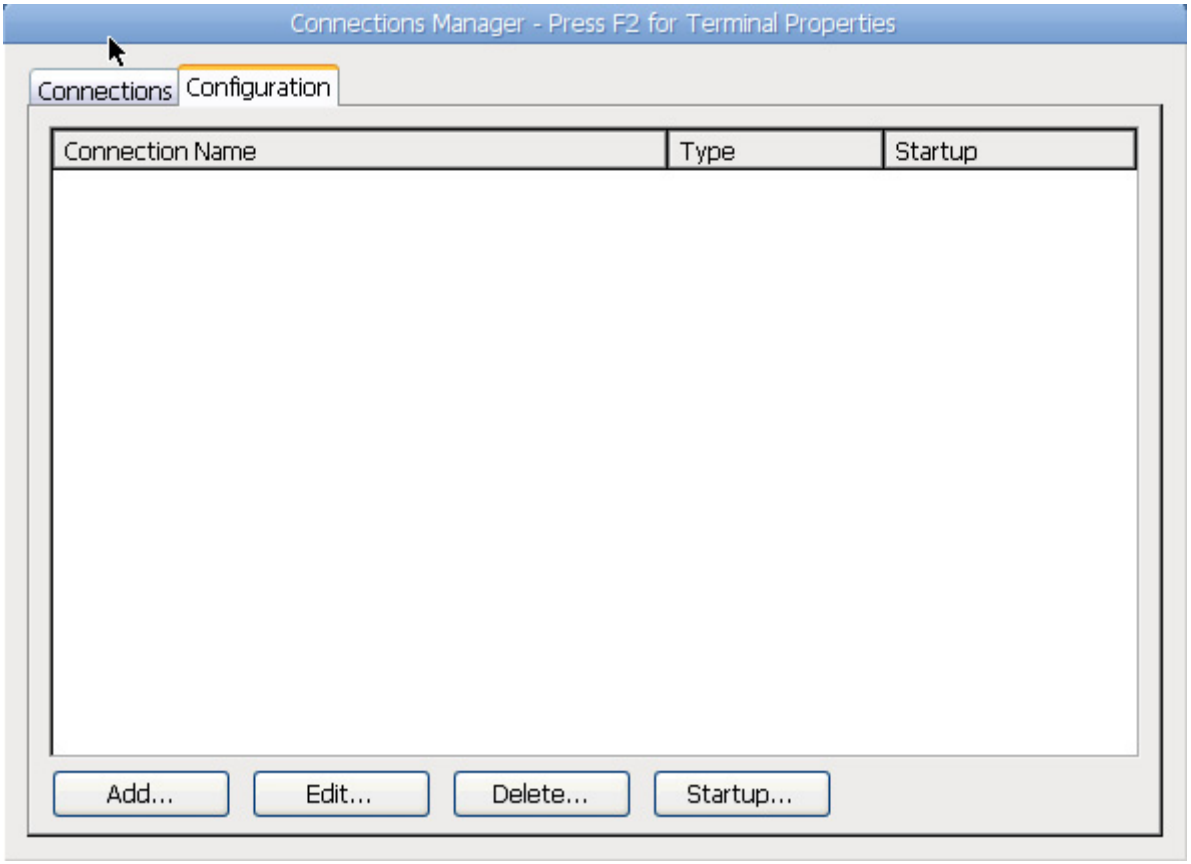


AUTOSTART OPTIONS



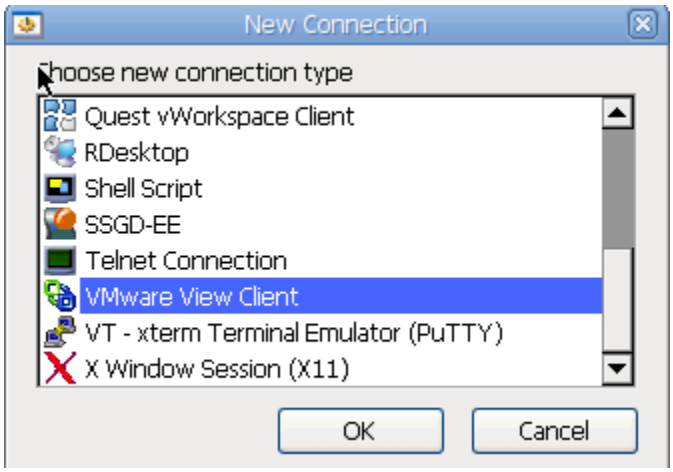
CONNECTIONS MANAGER

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****



VMware View Connection
General
Credentials
Options
vmware
PCoIP
VMware View
Connection Name
vmware
Desktop Name
Server URL
VMware View 4.0.1
OK
Cancel

GENERAL TAB

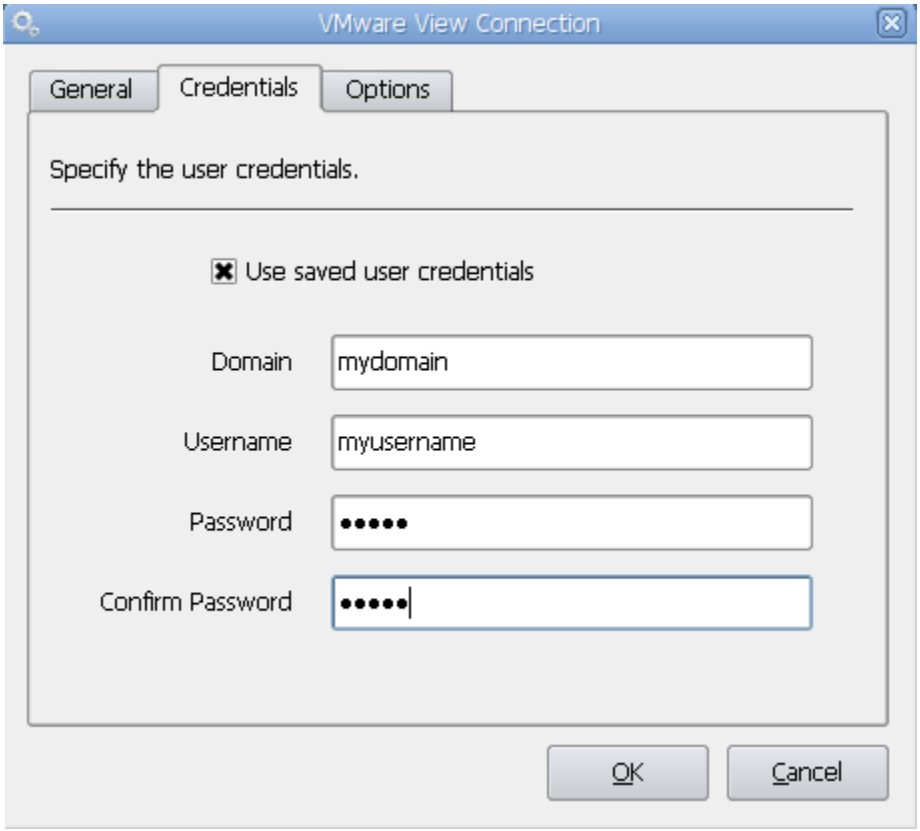
Connection Name is the name give to this VMware View Connection.

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

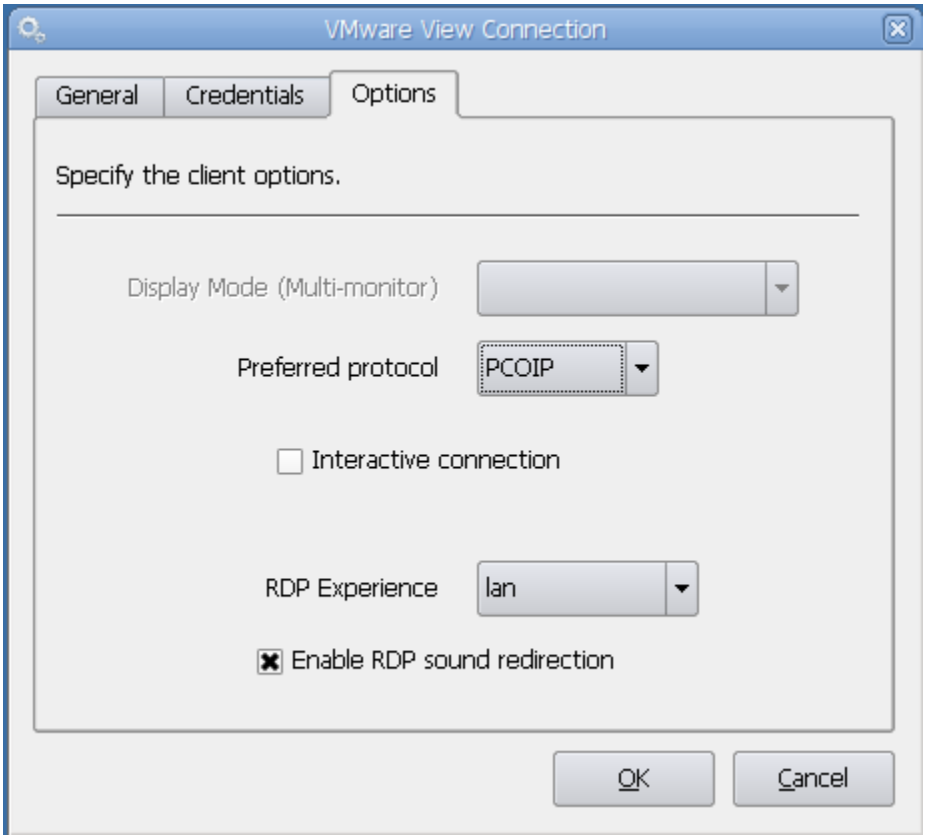
CREDENTIALS TAB

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.



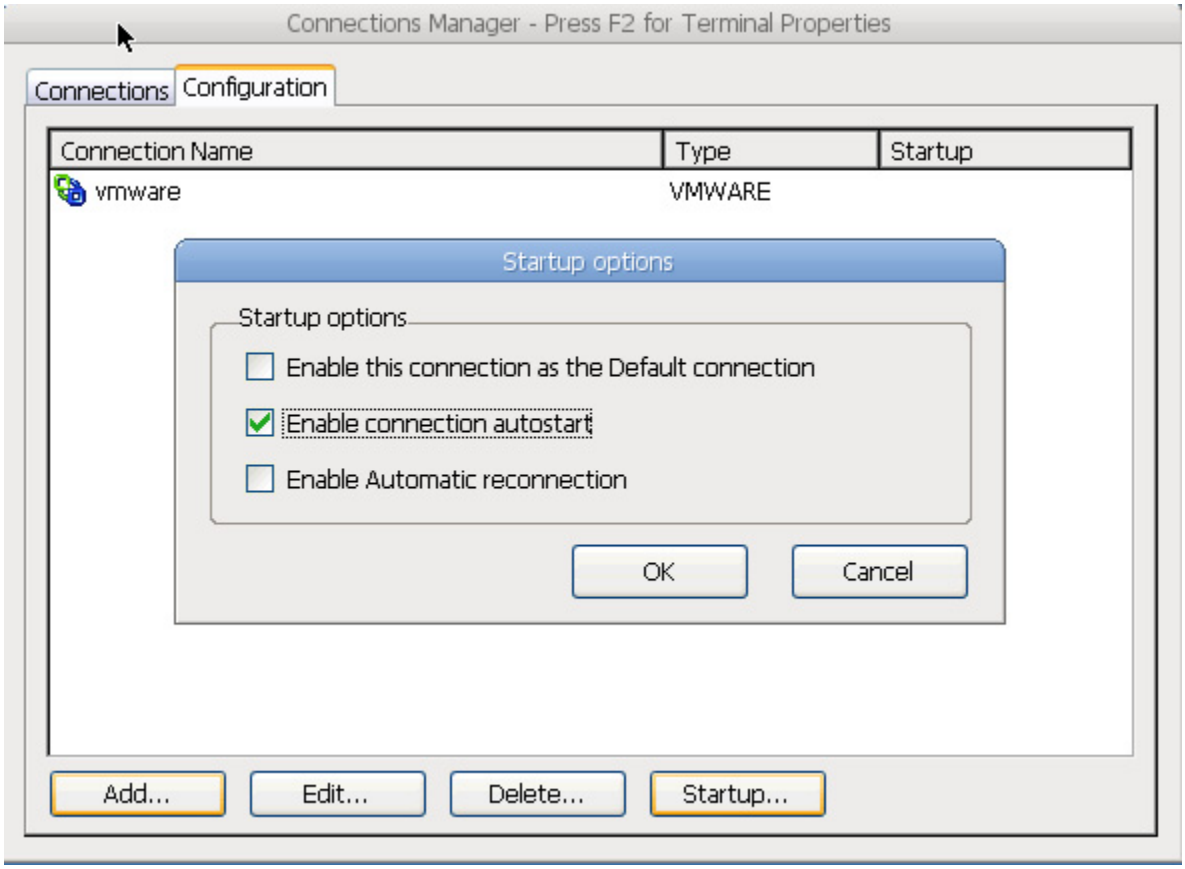
OPTIONS TAB

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.

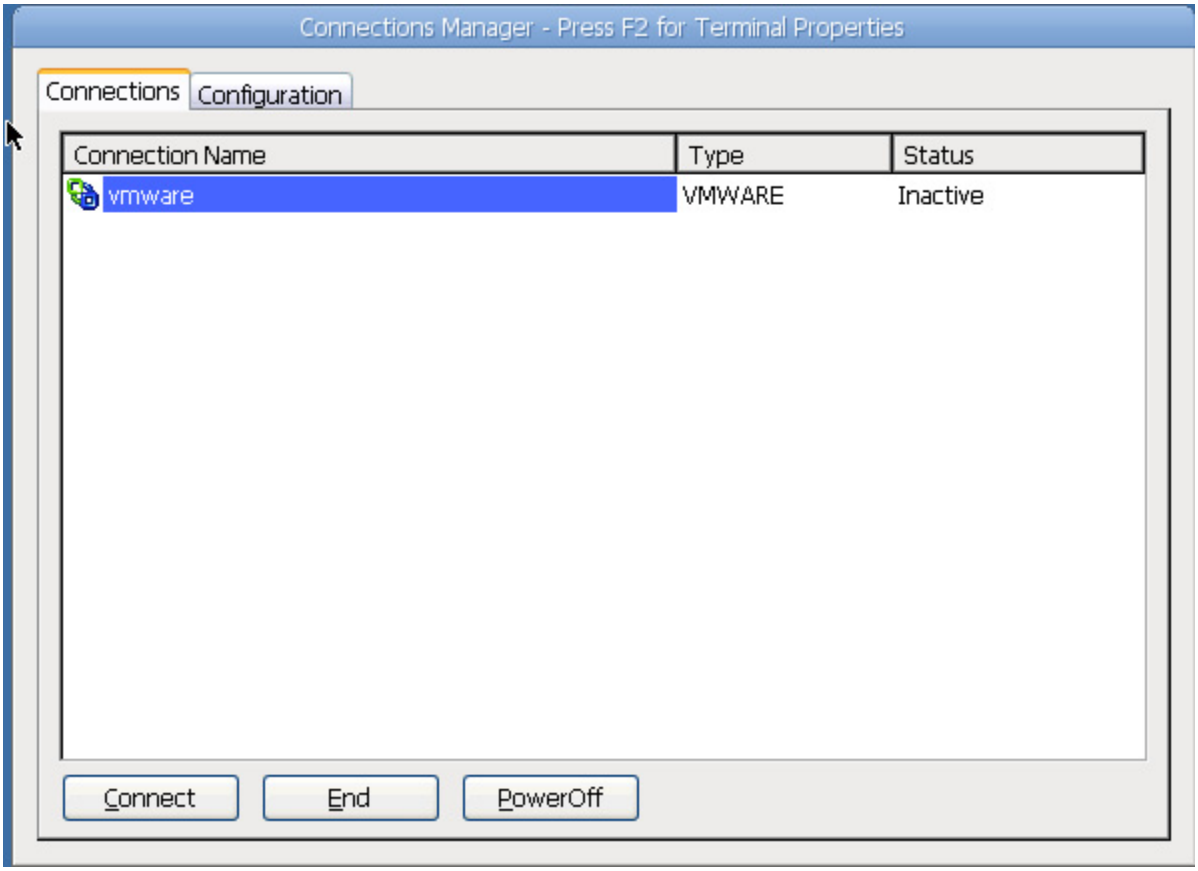


USB Redirection in VMware View Client - when a USB printer or thumb driver is plugged into the thin client, the VM will immediately recognize the USB device and indicate new hardware was found. For printers the printer driver must be installed on the VM to work correctly.

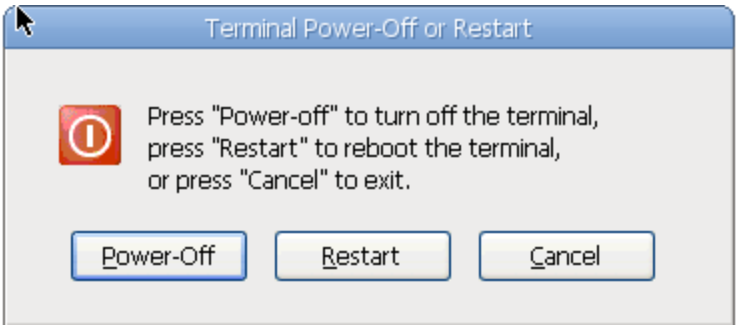
Manually Connect or End a Connection

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.



Index

A
Autostart 48
C
Cisco VPN Client 20
Citrix XenApp Agent 42
Citrix XenApp Agent Autostart Options 42
Citrix XenApp Agent Settings 42
Connection Types 43
Connections Manager 6, 43
Control Panel 19
CUPS 9
Customize Wallpaper 31
D
Date & Time 41
Desktop 5, 29
Desktop Appearance 33
Desktop ICONS 33
Desktop Themes 29
Desktop Wallpaper 30
DHCP 6, 26
Display 27
F
Factory Default 7
Full Control 8
G
General Tab 7
H
Hide Connections 8
I
ICA Advanced 39
ICA Devices 39
ICA Firewall Settings 38
ICA Global Settings 37
ICA Hot Keys 37
ICA Preferences 37
ICA Server Location 38
J
Java Cache 40
K
Keyboard Configuration 28
KIOSK 5
L
LDAP 8
Local Printer 11
LPT 9

M
Mouse Configuration 28
N
Network File System 34
Network Printer 16
New Connection 43
NFS 34, 35
P
Permit to Write 33
PowerOff 49
Printers Tab 9
R
Require Password 8
S
Screen Saver 32
Security Tab 8
Show Accept/Reject DialogBox 36
SMB 34, 35
SNMP Agent Applet 20
Sound Configuration 40
T
Taskbar Appearance 33
Terminal Modality 33
Terminal Name 21
Terminal Properties 6, 7
Touchscreen 27
U
USB Port 11
USB Redirection 9, 48
V
View Only 8
VMware View Client Connection 43
VNC Accept Always 36
VNC Auto Accept 36
VNC Password 36
VNC Shadowing 36
W
WBT 5
Wired 6, 26
Wireless 6, 21
Wireless Encryption 24