



10ZiG Technology Limited

LTC

V6 Configuration Guide

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PRODUCT DESCRIPTION

The 10ZiG LTC Series of thin clients provides a powerful, simple, and affordable solution to desktop computing. The 10ZiG LTC Ethernet terminal offers the very best TN5250e and TN3270e emulation available for a LAN environment in a Windows-enabled text-based terminal.

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

- Complete terminal configuration from a central location, including terminal emulation settings
- User lock-out from configuration changes, keeping the cost of ownership down
- Shadowing of the user's desktop
- Cloning of user environments
- Control over which applications can be run on a particular terminal

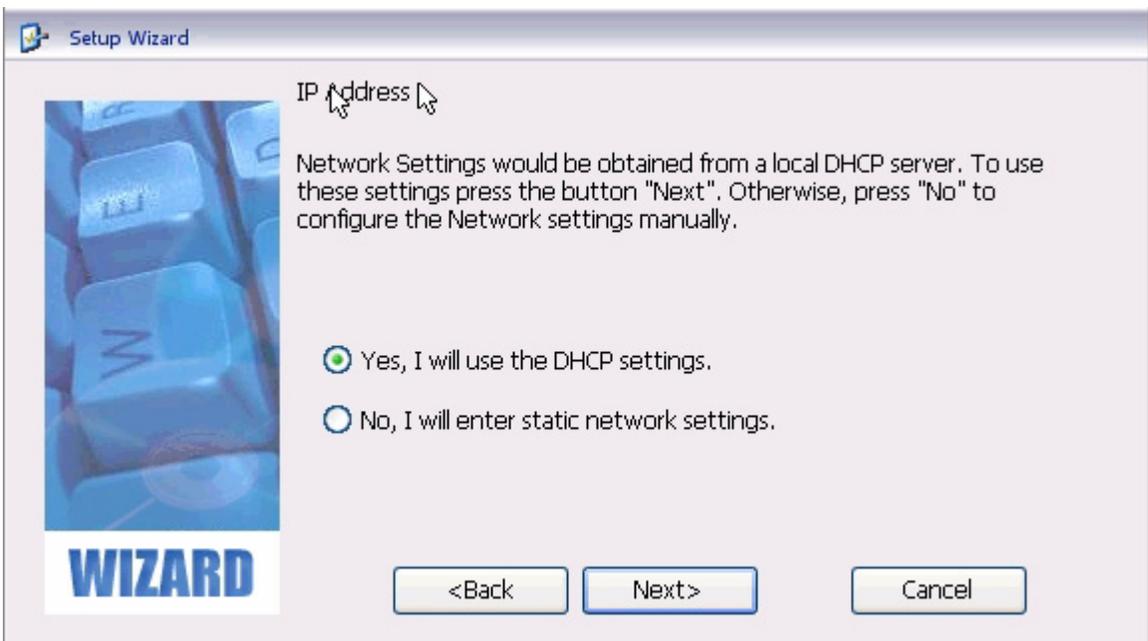
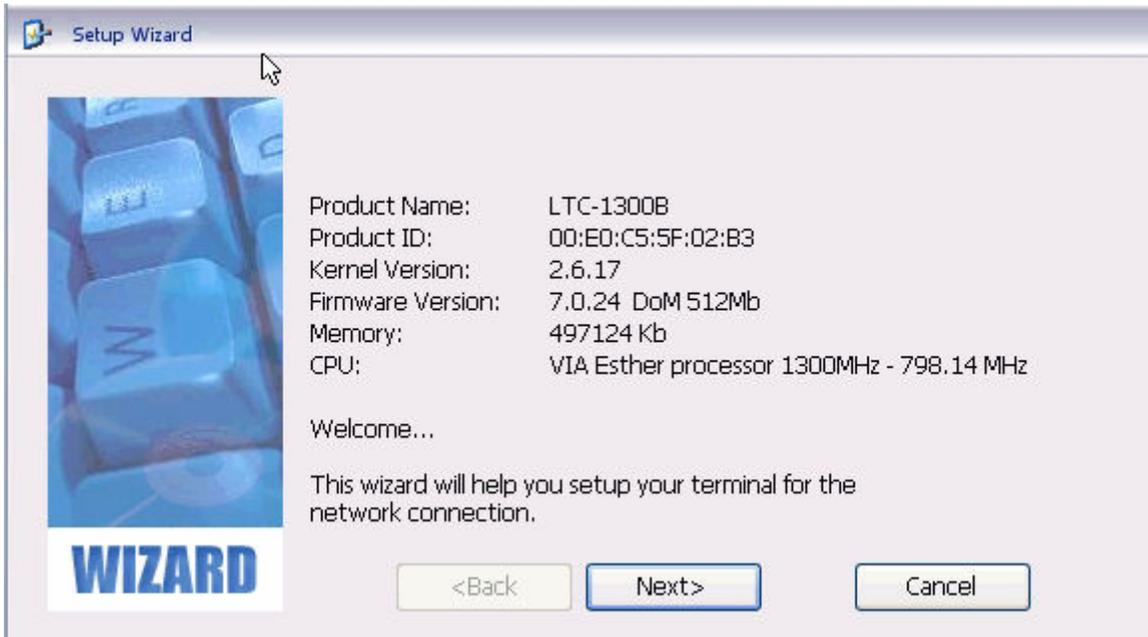
INTRODUCTION TO CONFIGURATION

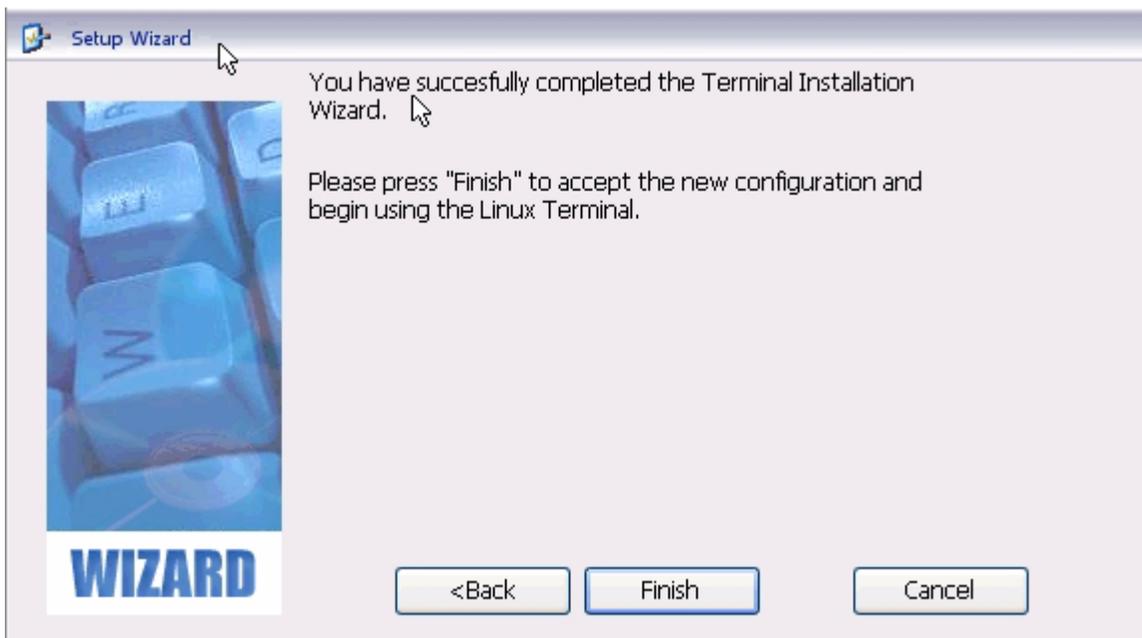
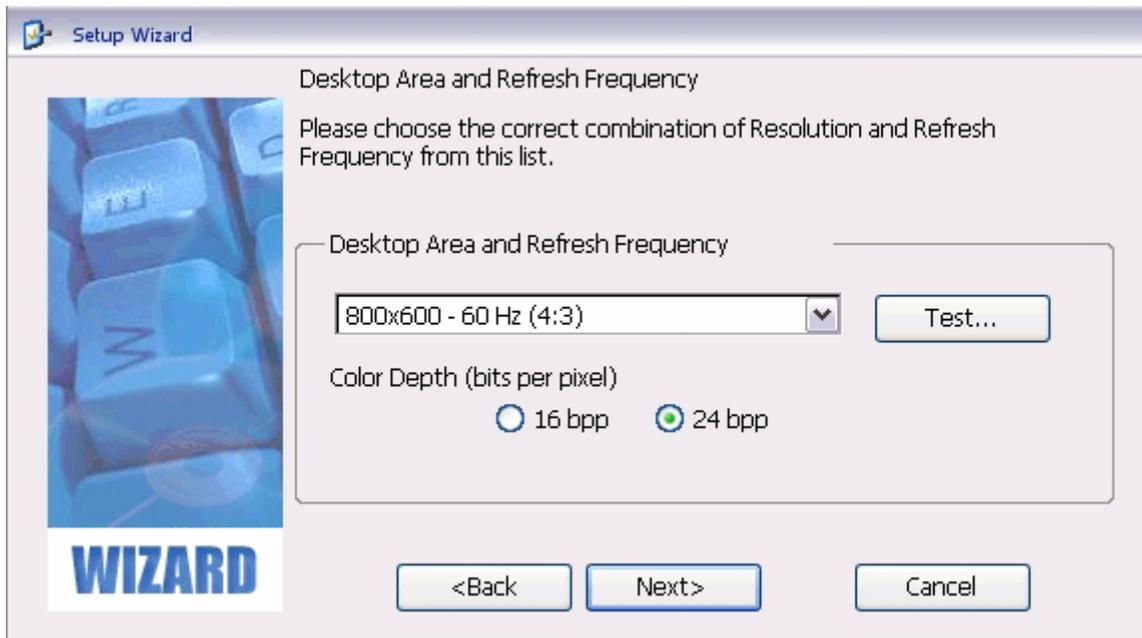
The 10ZiG LTC thin clients support three modes of operation:

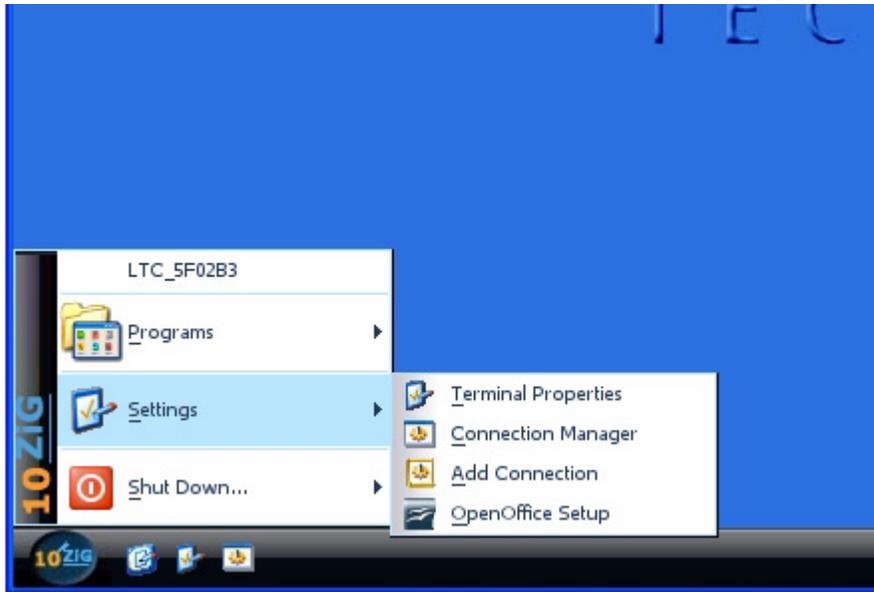
- Desktop – Windows XP look & feel (recommended!)
- WBT – Windows Based Terminal (supporting full-screen only)
- KIOSK – Restricted desktop that limits access to a specific connection.

CONFIGURING THE 10ZiG LTC

Upon first boot the wizard runs to set initial configuration







Once the configuration wizard has finished, configuration of 10ZiG LTC Thin Client Linux terminals is accomplished by launching the Terminal Configuration Utility from the main toolbar by selecting Start-Settings Control Panel.

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

Terminal Properties – General Tab

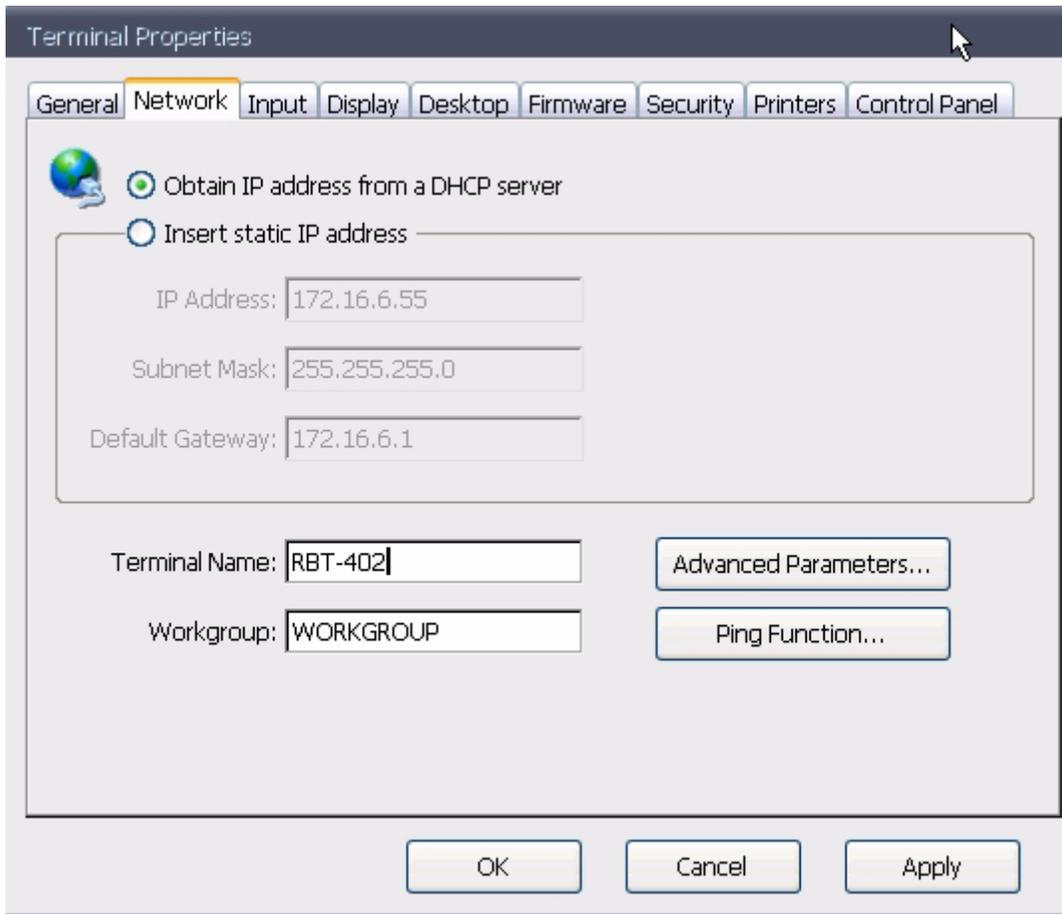
The **General** page displays the firmware revision as well as the Thin Client hardware configuration.



Checking the **Restore the terminal parameters to factory default** will reset all terminal parameters to the default state. Upon rebooting the terminal the Terminal Configuration Setup Wizard will appear. Factory defaults can also be reset from the terminal itself by pressing SHIFT-CTL-ALT F or from the remote terminal manager by right clicking on the unit and selecting Special Functions - Factory Default.

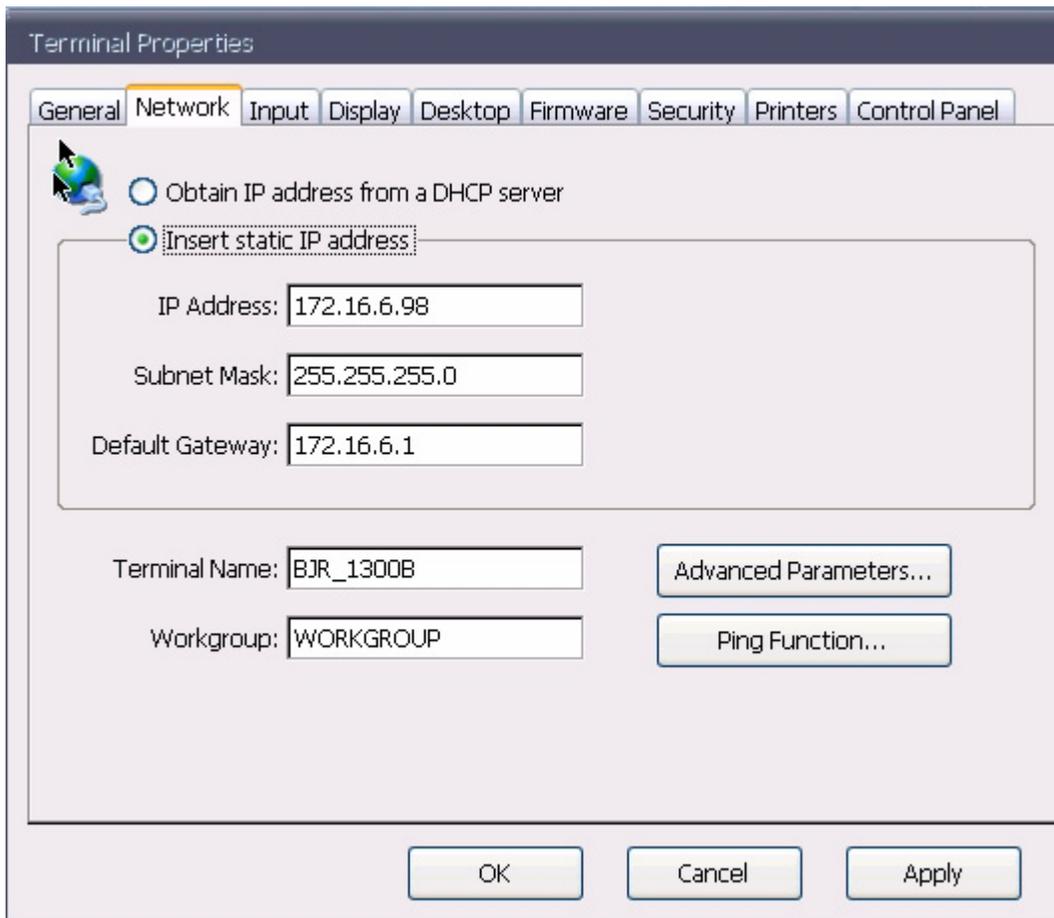
Terminal Properties – NetworkTab

The Network Configuration page allows the user to set the network specific parameters of the Thin Client. If you have a DHCP server on your network, select the **Obtain IP address from a DHCP server** option; this allows the network configuration to be performed automatically by a DHCP server resident on your LAN. The information typically provided by the DHCP server includes the IP address and gateway.



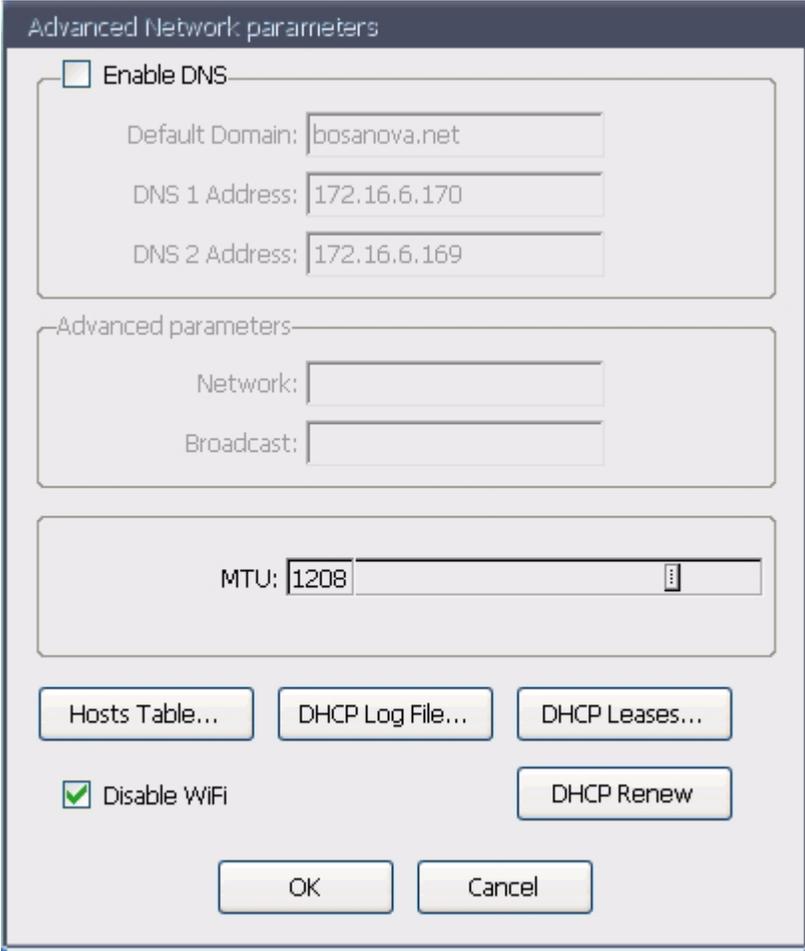
The terminal name can be changed by modifying the Terminal Name field.

If you do not have a DHCP server on the network, the IP address and gateway must be set manually.



Access Advanced Parameters by clicking on the Advanced Parameters option.

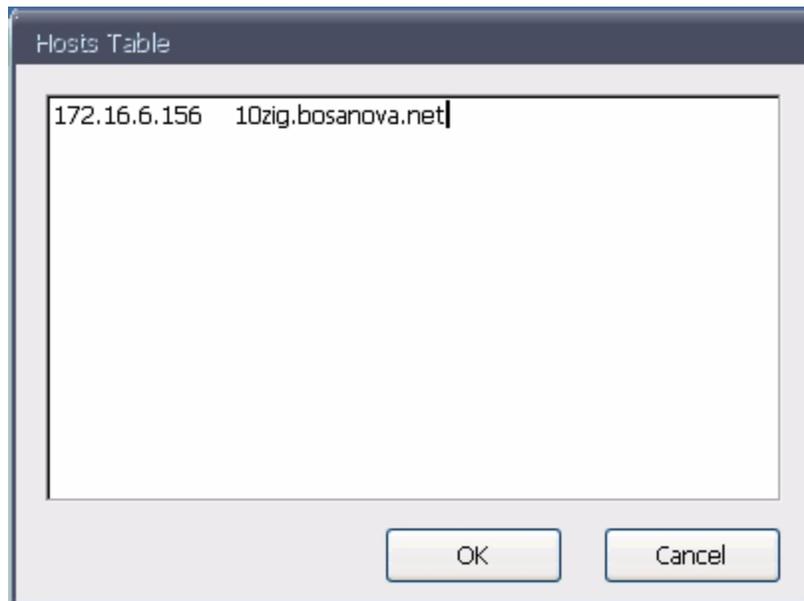
Advanced Parameters page allows for setting the DNS server to enable the browser to resolve host addresses. This most likely would be used only when you set the IP address manually.



If Insert Static IP address is selected you will not see the DHCP Log File and DHCP Leases options.

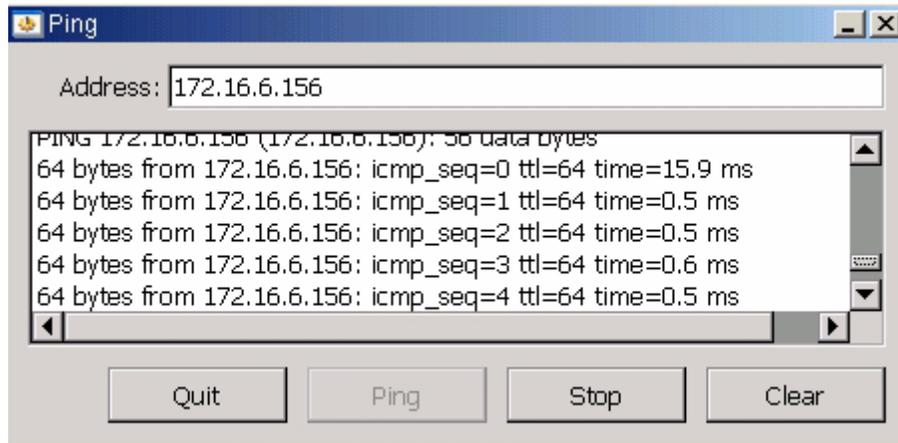
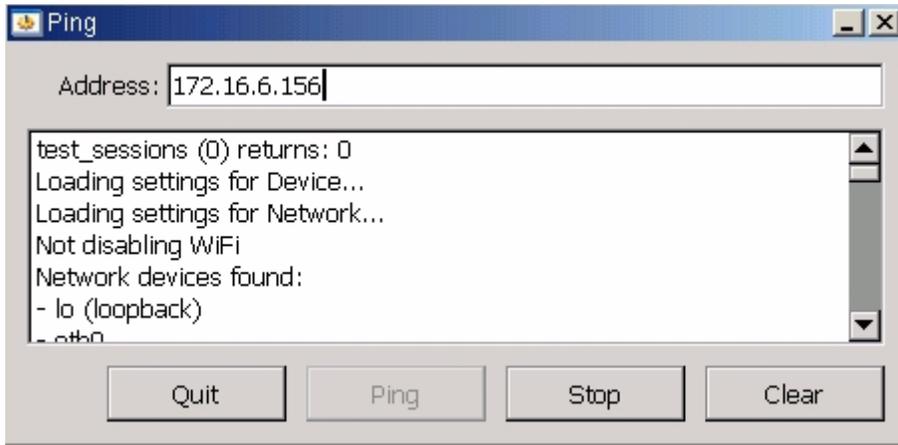
The Host Table may be used to set the host table; this table associates IP addresses with logical names.

A Hosts Table entry might be used for example to access a web page by domain name when a DNS server is not accessible.



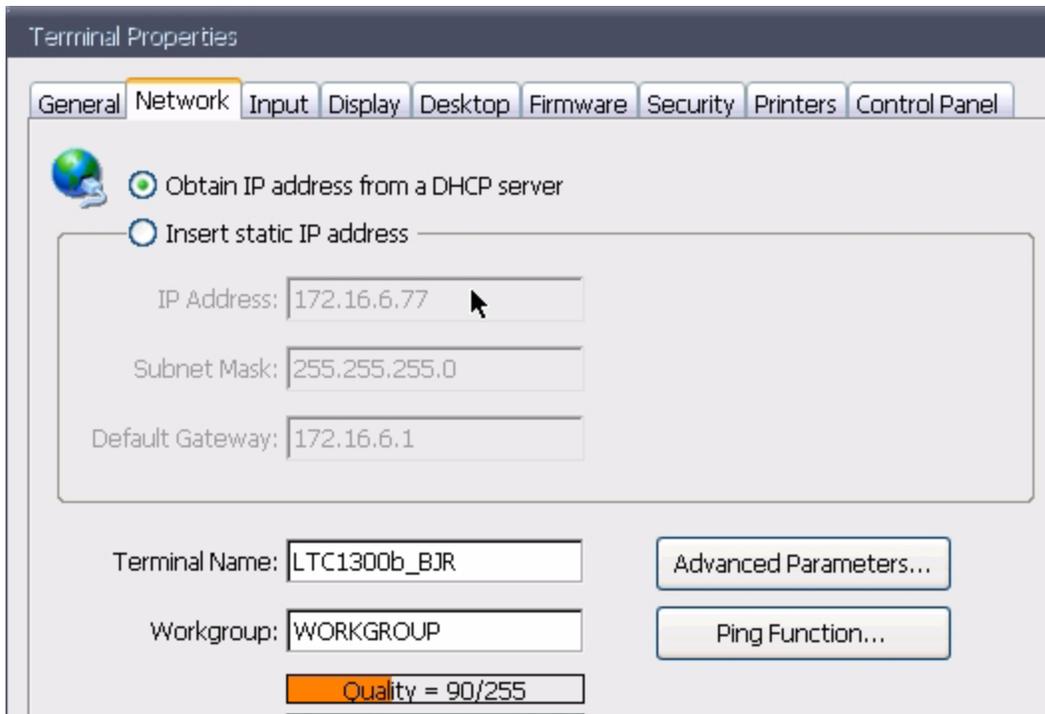
The Ping Function may be used to ping other terminals or servers on the network to verify the network connection.





Configure Wireless NIC

From the Terminal Properties Network tab select Advanced Parameters.



The Wireless Parameters option does not appear unless the unit recognizes it has a wireless NIC.

Select Wireless Parameters

Advanced Network parameters

Enable DNS

Default Domain: bosanova.net

DNS 1 Address: 172.16.6.171

DNS 2 Address:

Advanced parameters

Network:

Broadcast:

Wireless Parameters...

Hosts Table... DHCP Log File... DHCP Leases...

Disable WiFi DHCP Renew

OK Cancel

Enter the Network Name (SSID)

To use WEP:

Check to Enable Crypting and select the WEP Encryption. Enter the Hex or ASCII Key configured in the wireless router.

Wireless Network: Parameters

MAC address: 00:05:7B:23:06:24

SSID: Refresh

Enable Crypting

Security Mode:

WPA Algorithm:

Passphrase:

SSID Mode:

Wireless Status

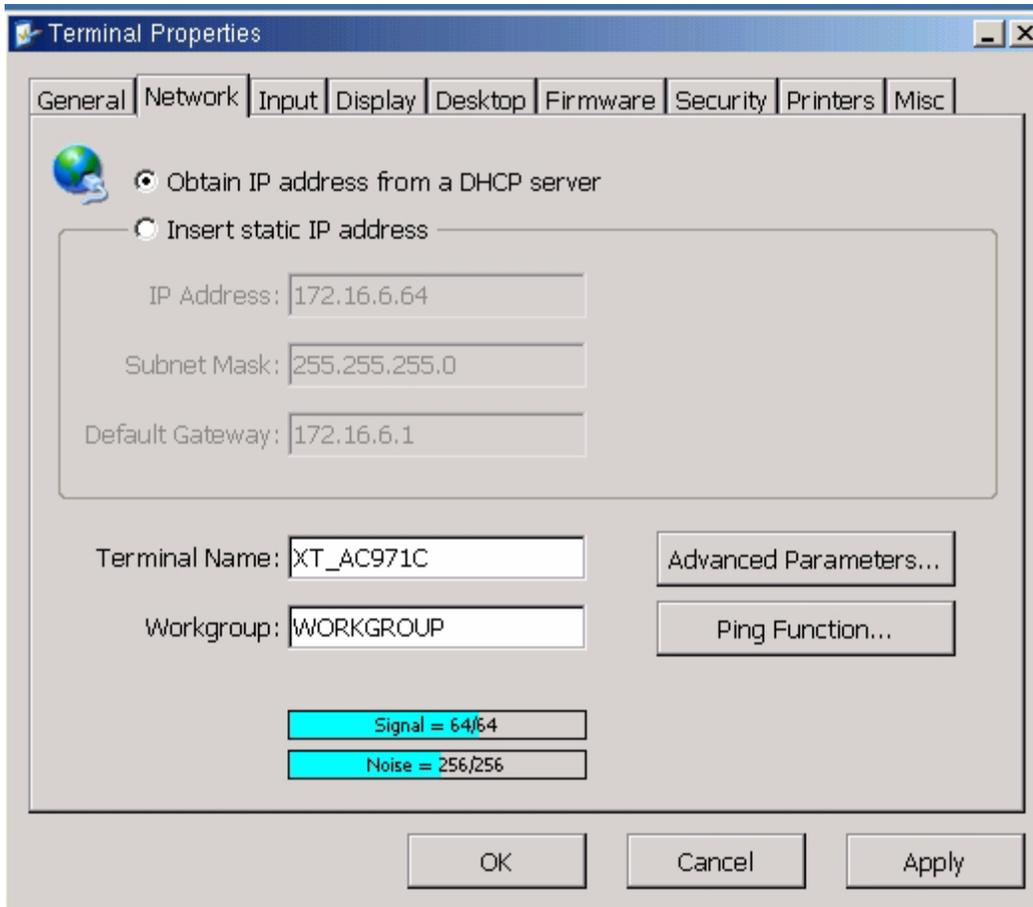
Refresh

Quality = 100/100

Signal = 50/48

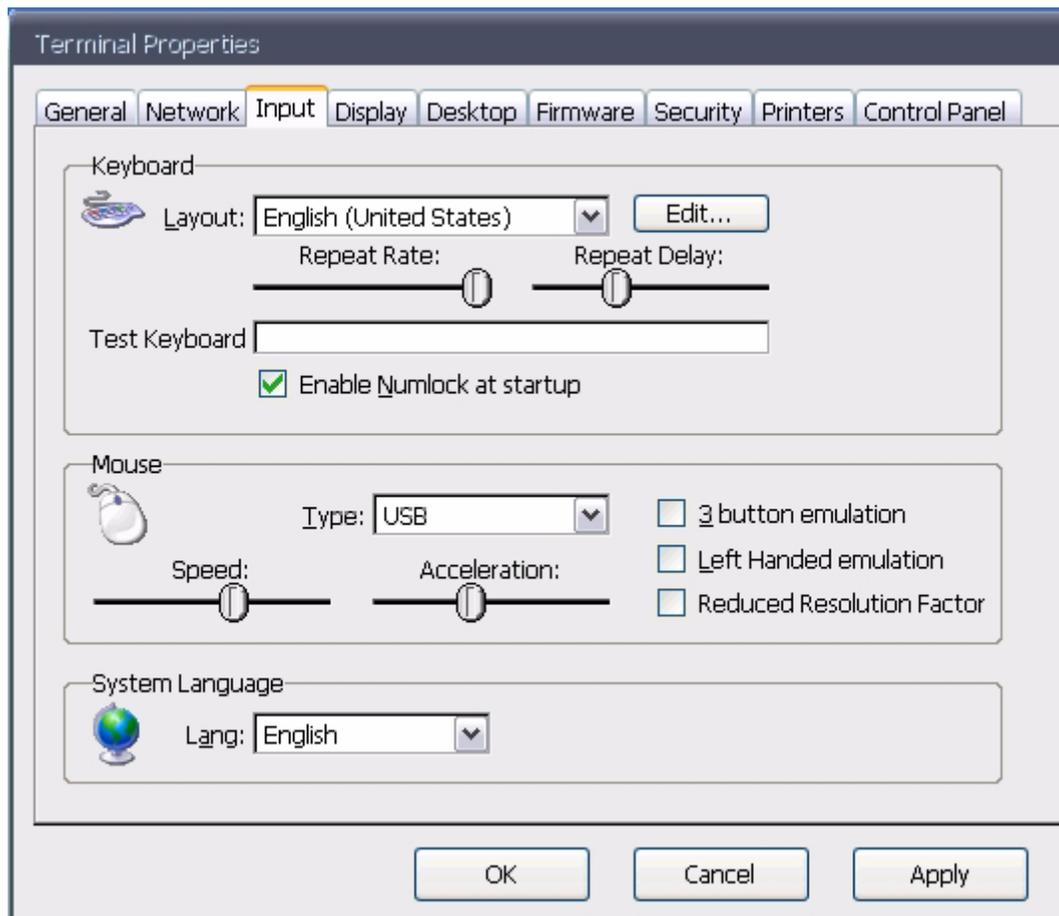
Noise = 256/256

Once configured correctly and connected to the network the signal strength will show on the network tab.

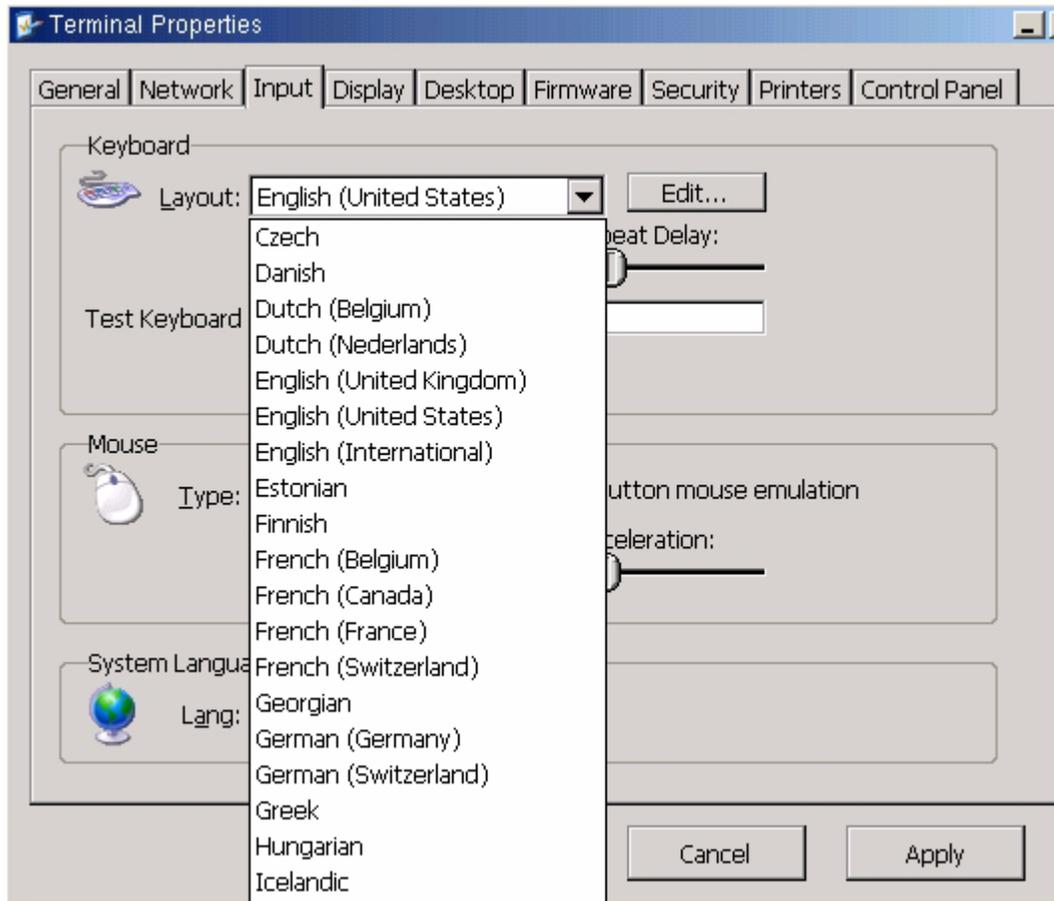


Terminal Properties – Input Tab

The Input configuration page allows the user to set the default keyboard layout, the mouse type, and the default language for the terminal as shown in images below.

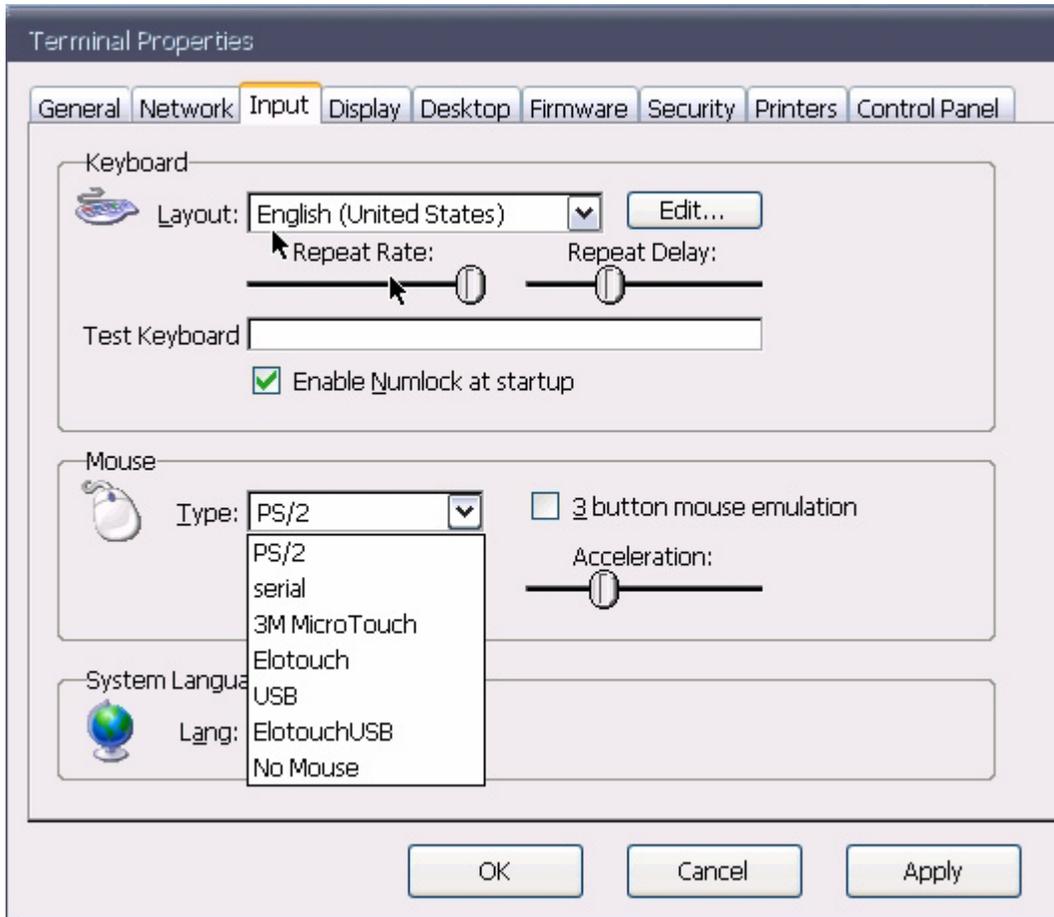


Options for Keyboard Layout:



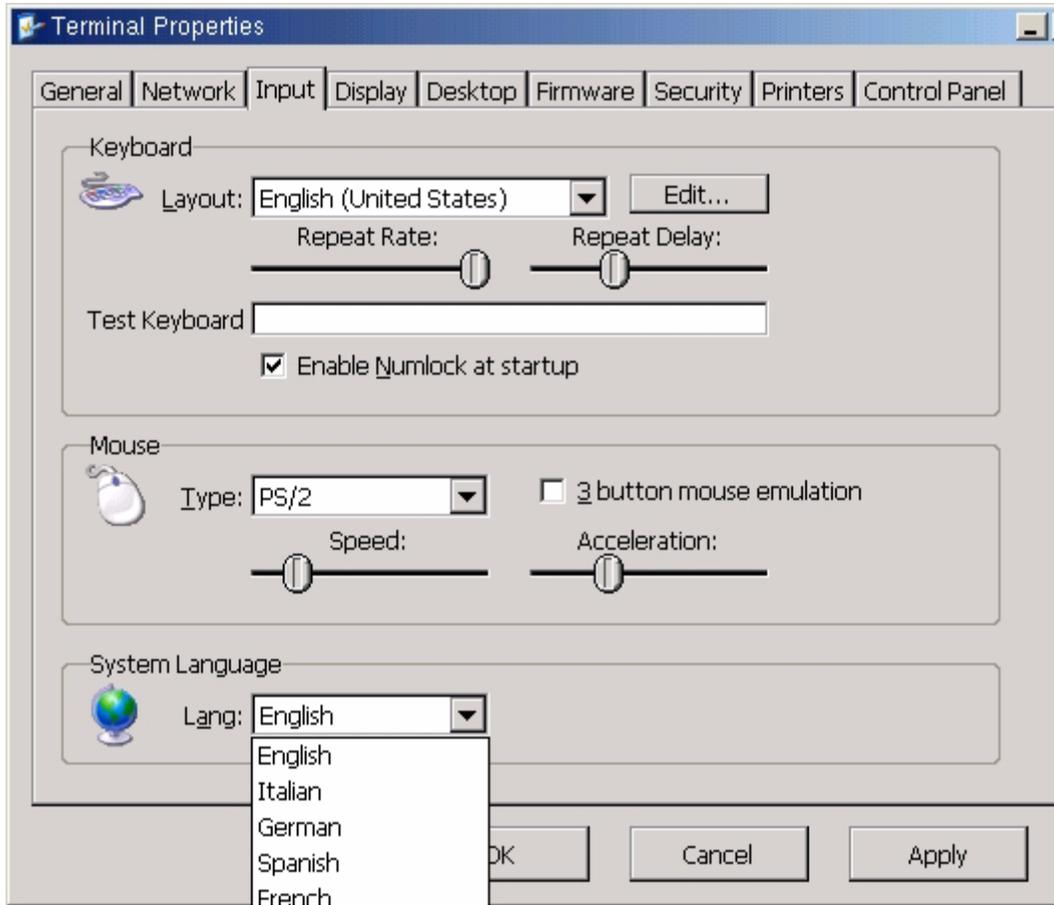
Enable numlock at startup is checked by default, to disable, uncheck.

Mouse Type options below:



Mouse type must be selected correctly or the keyboard may not respond as expected. The default is type PS/2. If no mouse is to be used, the **No Mouse** type must be selected by either using the remote terminal manager to configure or by using a mouse, applying the change and then removing the mouse.

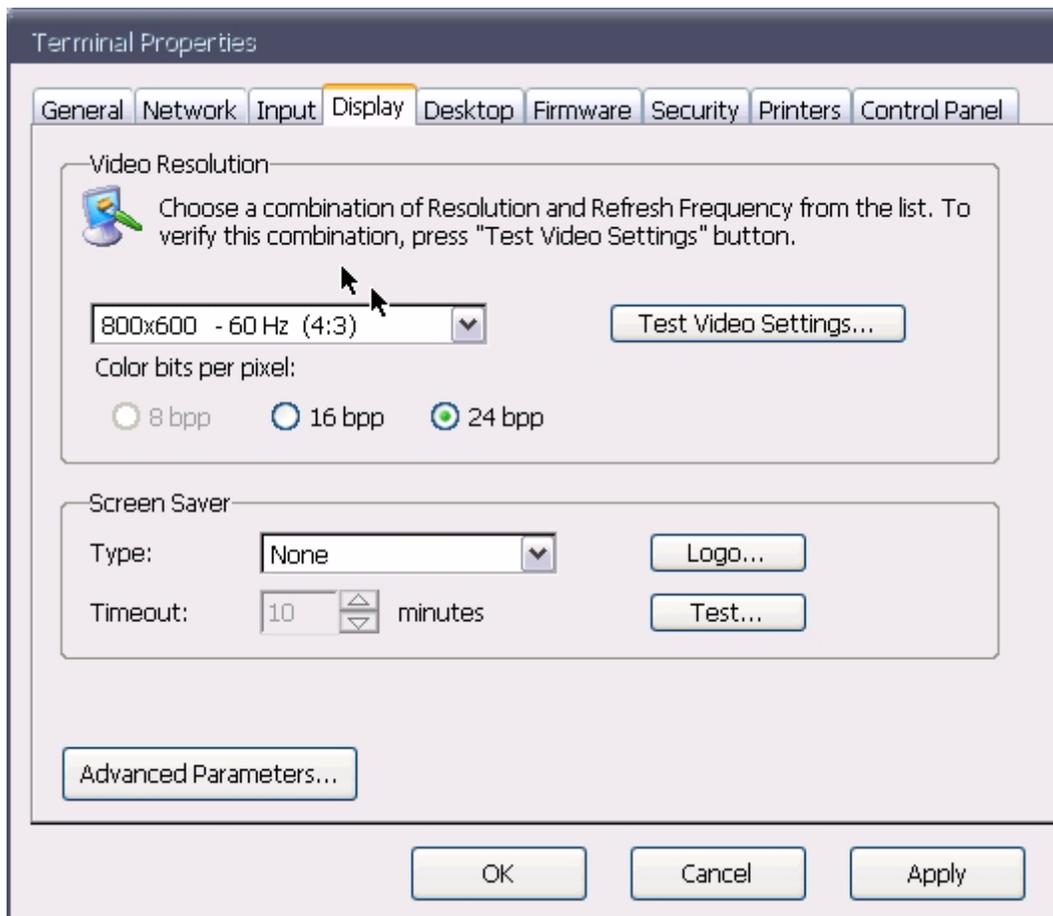
System Language options below:



Terminal Properties – DisplayTab

The Display configuration page allows the user to control the parameters of the video display. The Video Resolution drop down box displays the available resolutions and frequencies for the video adapter. Whenever choosing a resolution / display frequency make sure to use the Test Video Settings option to make sure this setting is viewable on your monitor.

The Screen Saver option controls the mode of the screen saver.

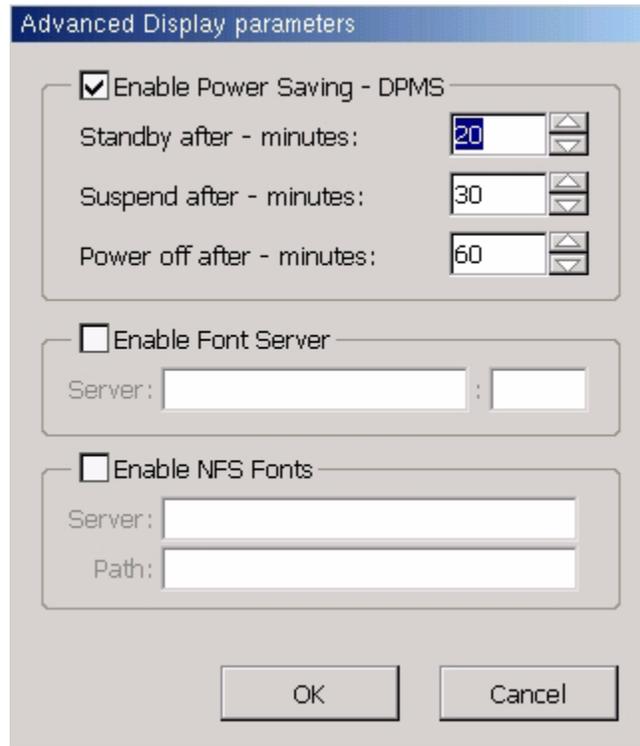


NOTE:

It is possible to set the thin client's video resolution out of range for the monitor. A good indication of this issue would be, after making the change, the unit boots to a blank black screen yet can be seen and configured from the remote terminal manager. To resolve this issue, reset the factory defaults and set the resolution to a frequency the monitor can support. (see page 7)

For additional parameters select the **Advanced Parameters** option.

Advanced Display Parameters allow for the settings of various power saving modes.



To supply additional fonts to the unit, check the Enable Font Server box and enter the server IP and port of the font server.

To access fonts available on an NFS font server, check the Enable NFS Fonts box and enter the server IP and path information to access the NFS fonts.

Terminal Properties – Desktop Tab

The Desktop configuration controls the layout and scheme for the user's desktop. There are three modes for the Window Manager, the WBT mode, KIOSK mode and the Desktop mode. The WBT, or Windows Based Terminal mode, only allows the user to launch predefined applications; these applications may include RDP, browser, ICA, or emulation sessions. The Desktop mode is similar to a traditional desktop on a Windows based system; this mode provides a task bar, and a start menu similar to Windows 2000. All available programs loaded on the terminal are present on the start menu in this mode. Once the configuration is complete, unused programs can be hidden using the Security Tab.

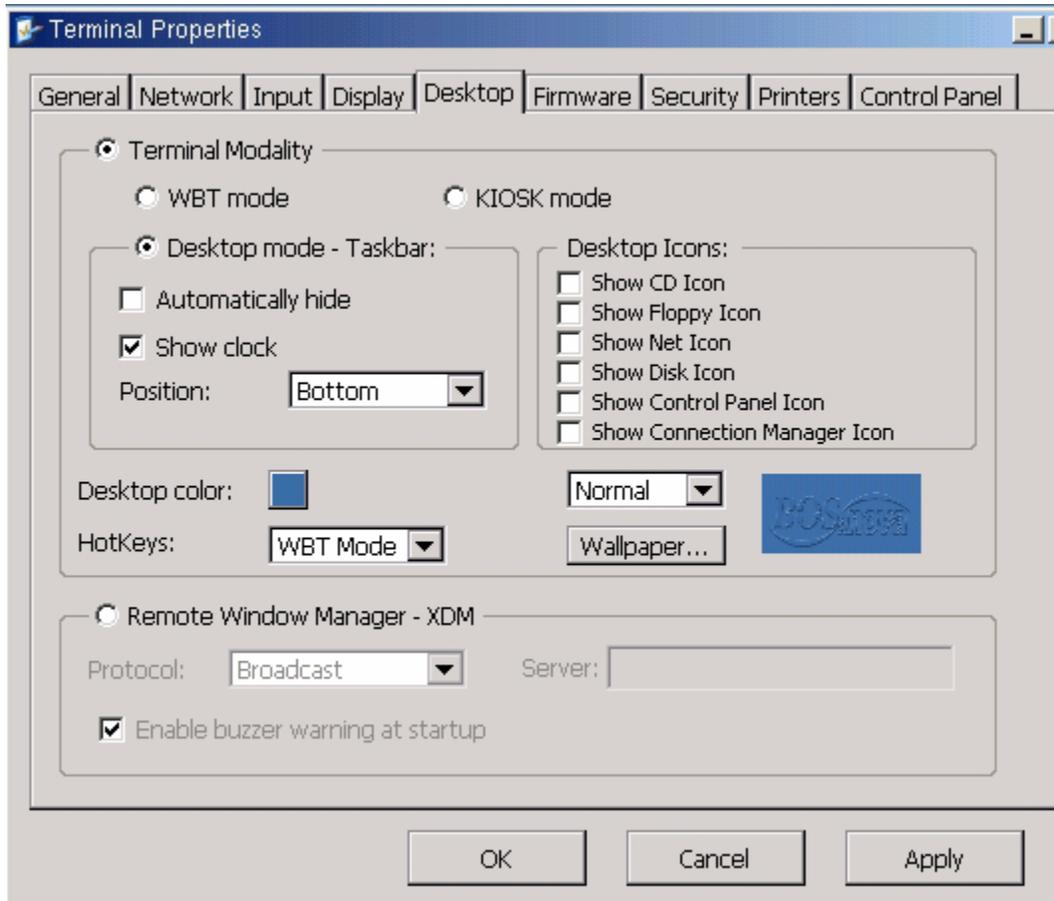
The WBT mode is suited for environments where administrators need to limit the flexibility of the user interface.

KIOSK mode is a user restricted mode.

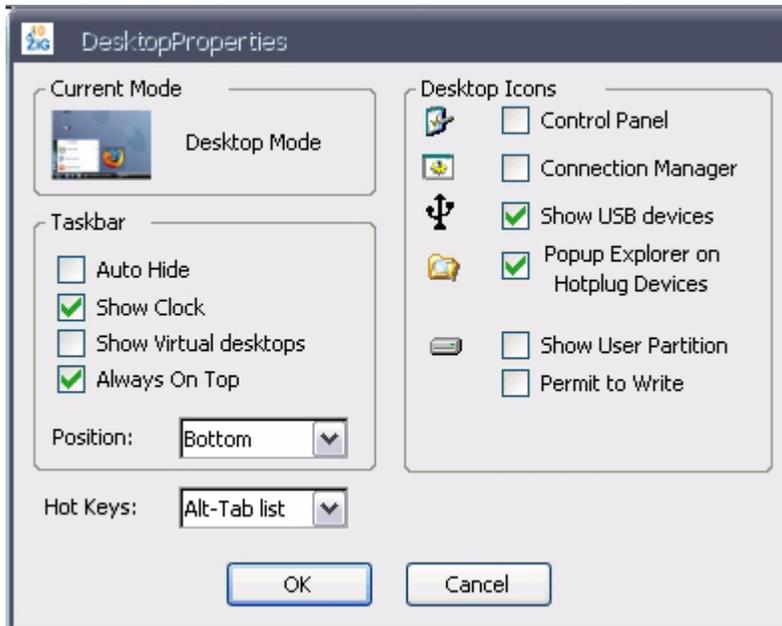
In the Desktop mode, there are a number of features shown on the task bar which may be enabled or disabled. These include the clock, the CPU load, the network load, and the virtual desktop. Additionally the taskbar position may be at the bottom or right. The taskbar also has an auto hide feature.

The Desktop color option controls the color of the desktop background.

If a share has been defined in the Misc tab, check the Show Net ICON for the share ICON to appear on the desktop.



Desktop mode will give the most control in the look and feel of your desktop. To automatically hide the taskbar, check to Automatically hide under taskbar. Uncheck Show clock to keep the clock from displaying on the taskbar. When a USB CD or USB Floppy is attached, check to show the ICON on the desktop for the corresponding peripheral device.



For a custom wallpaper:

Map to a drive which contains the jpeg image to be used.

Open the browser and browse the share then select the image.

Open the image, right click and Save Image As to /tmp/config/files.

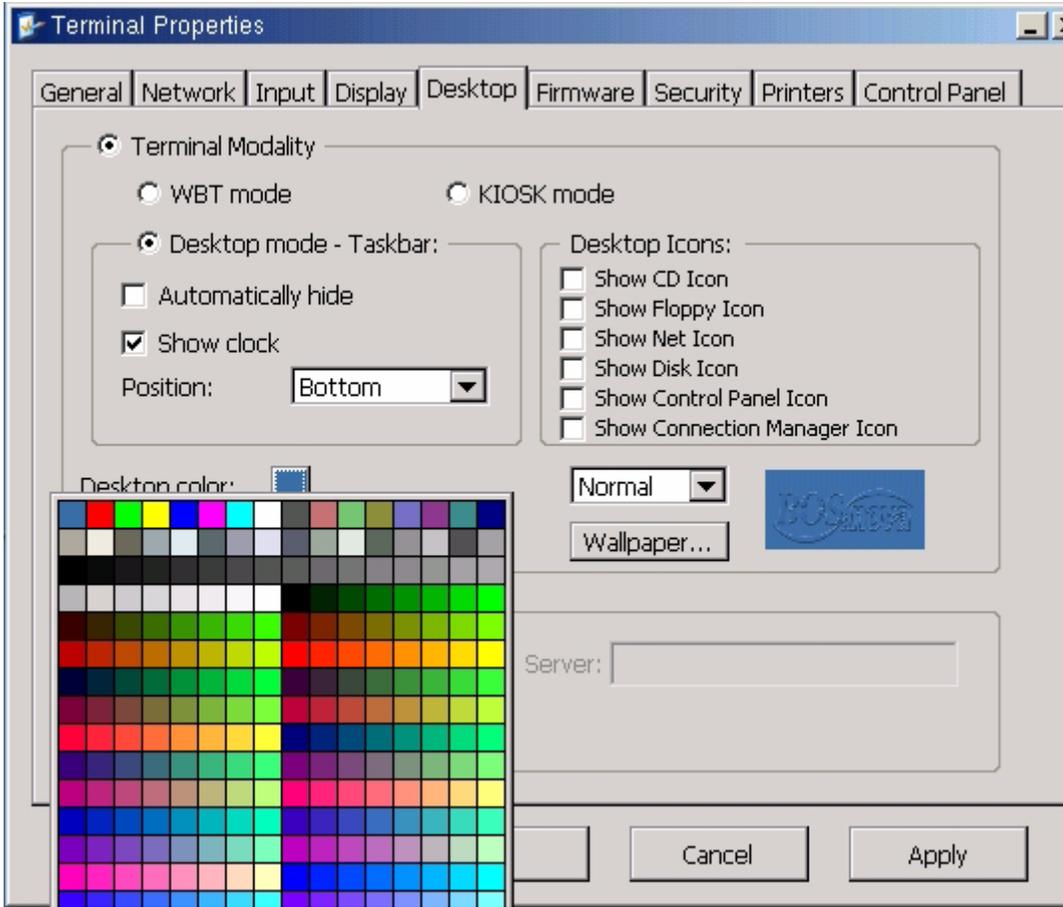
Exit the browser.

Reboot and background will be the selected image. Only JPEG format is supported and file size should be < 100K.

Once you set the background on one terminal, you can "clone" it using the remote terminal manager.

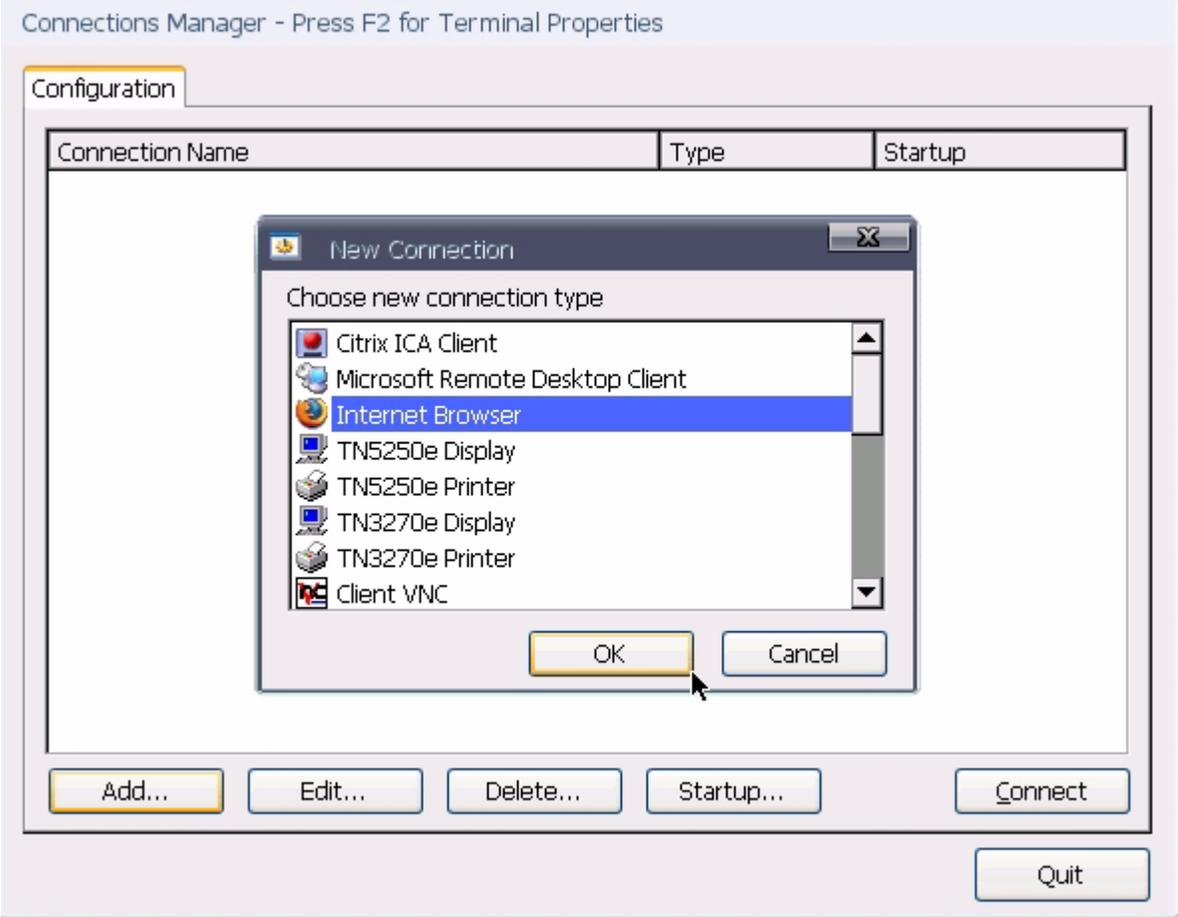
To delete background image, open a shell and run command **rm /tmp/config/files/*.jpg freeze**

To change the desktop color, click on the color box and a grid of colors is presented. Click on the desired color change.

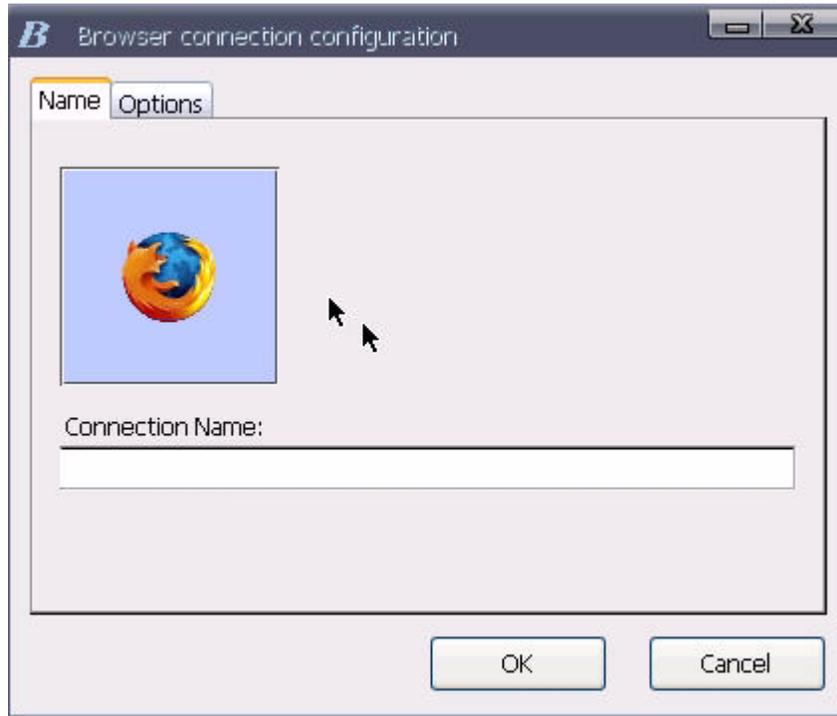


KIOSK Mode will limit the user's access to a specific program. Example of kiosk mode using a browser session below:

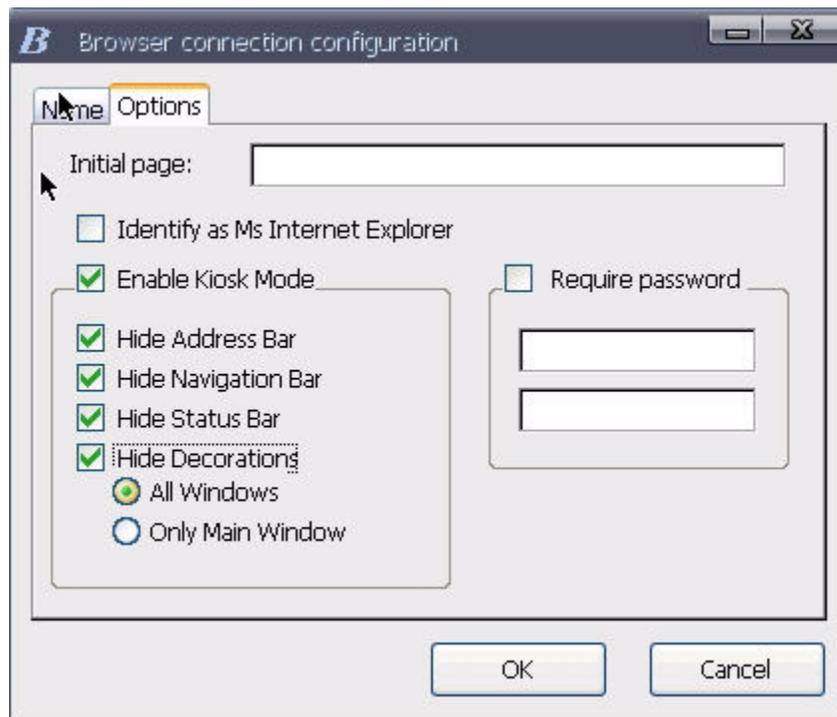
Add a new Internet Browser connection



Enter a connection name

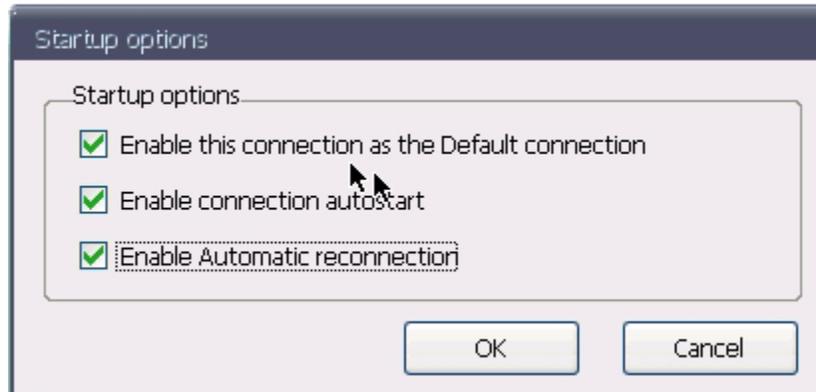


Set the Initial Page and check to Enable Kiosk Mode and check to Hide the Address, Navigation and Status bars.

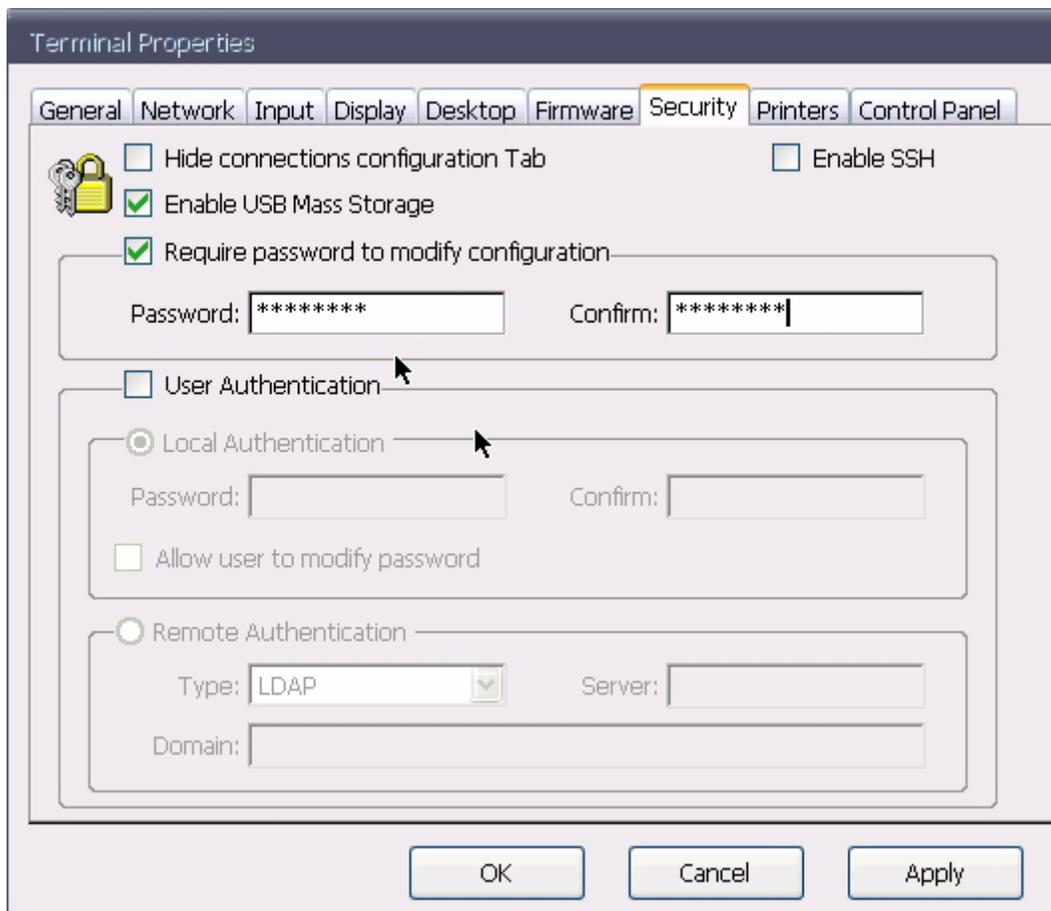


From the connections manager highlight the browser connection and select startup.

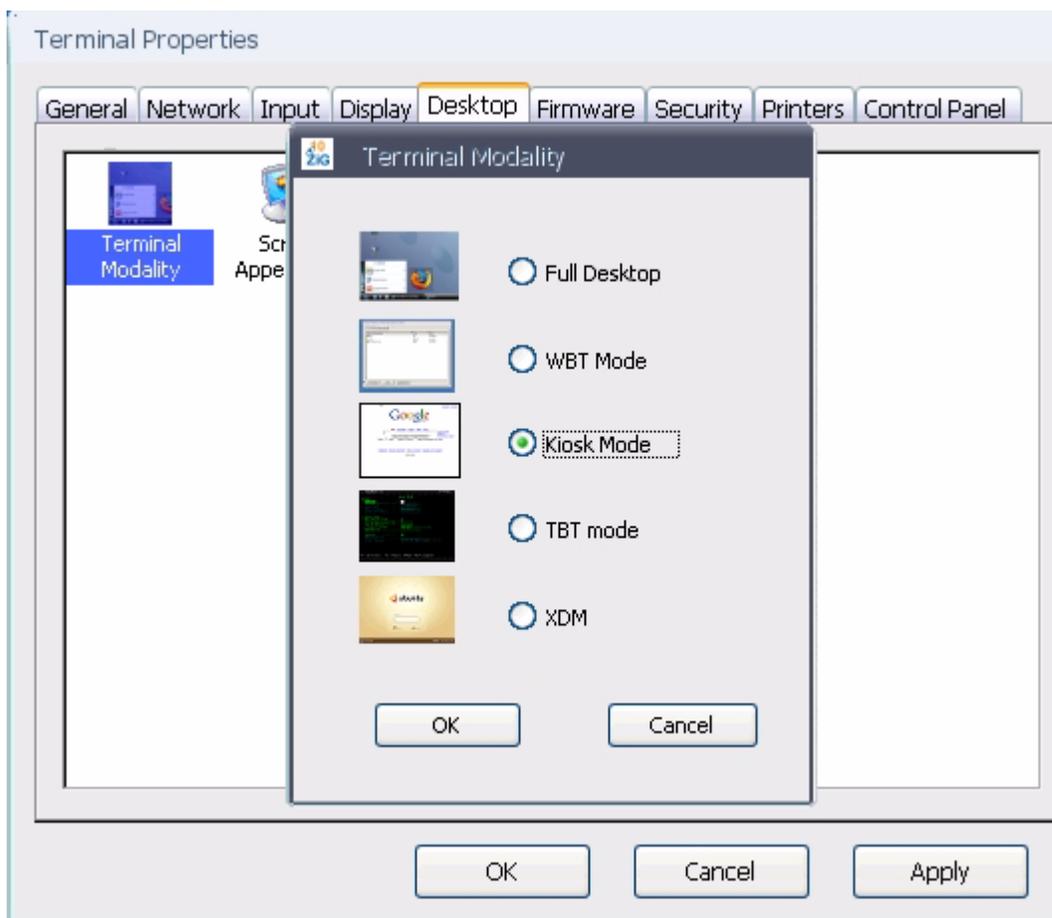
Check **Enable this connection as the Default connection** and check **Enable connection autostart**. You can also check **Enable Automatic Reconnection** which will automatically reconnect the browser session if for any reason it should disconnect.



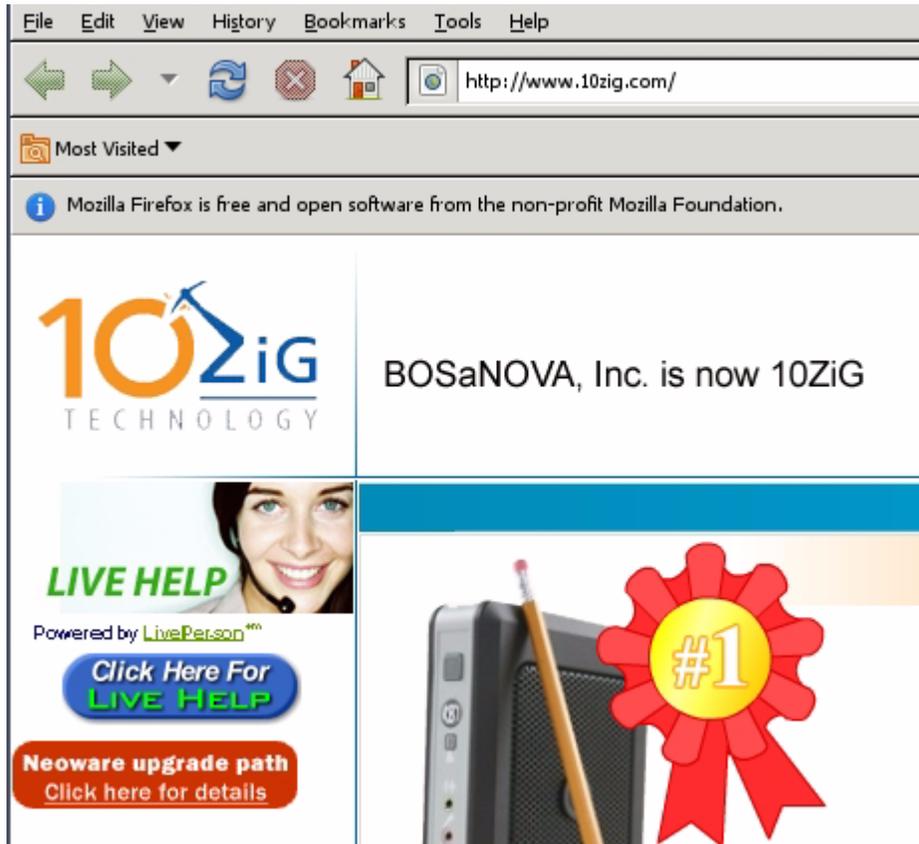
In the Terminal Properties Security Tab, check to **Hide the Connections Configuration Tab**, check to **Require Password to Modify Configuration**.



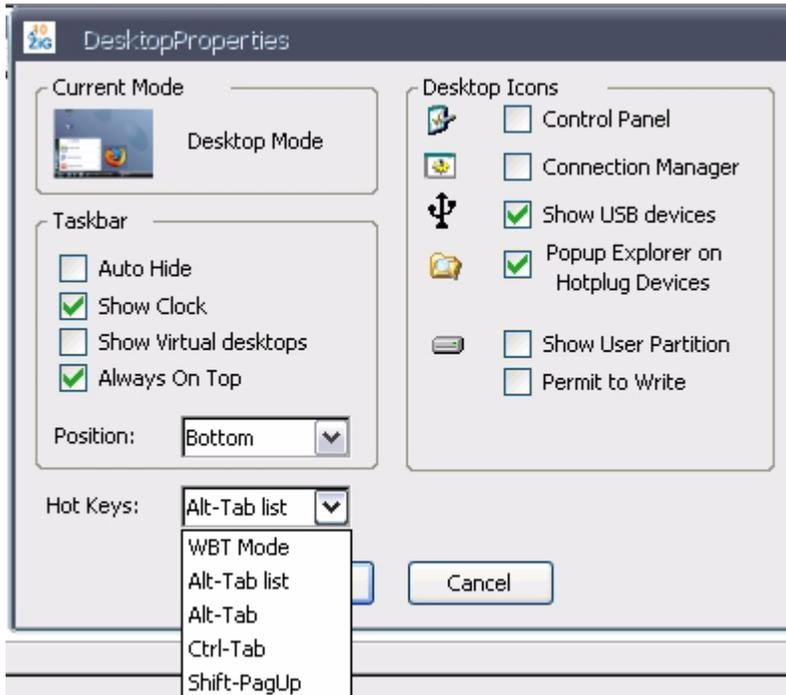
From the Terminal Properties Desktop Tab, check KIOSK mode.



Terminal will reboot and immediate execute the browser application.



Hotkeys filter through opened sessions.



For example with the HotKeys set to Alt-Tab list and running a 5250 display session, a 5250 printer session and a Firefox session - pressing Alt-Tab would present the following:

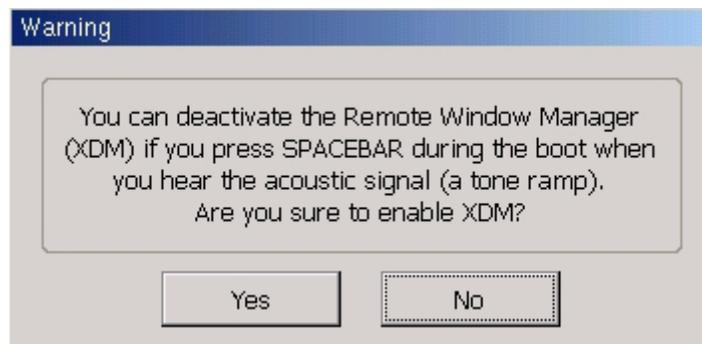


The **Remote Window Manager-XDM** allows the terminal to obtain the desktop remotely from another Unix or Linux system. This mode is essentially the Unix equivalent of RDP or ICA. The IP address of the remote Unix system must be entered.

XDM would typically run on an application server, to permit users to logon and run applications from that server. An XDM terminal is a machine with a network connection, keyboard, mouse and monitor, configured to run the X Windows System to connect to an application server somewhere on the network.

To use the XDM client, check **Remote Window Manager - XDM** - select the protocol and enter the IP of the XDM server

When you select the Remote Window Manager - XDM a warning is presented:



Terminal Properties - Firmware Tab

The Firmware configuration allows the user to upgrade the Thin Client firmware from a Windows machine on the LAN running the remote terminal manager. The IP address field should contain the IP address of the Windows machine on the LAN running the remote terminal manager. The Port number should be 9999. To list the available firmware packages for upgrade, click the Get List button. If the terminal can contact the Windows machine running the remote terminal manager, a list of packages will appear in the list box. You may upgrade a single package by selecting the package in the list box and clicking the Upgrade button. Selecting the **Everything** option in the list box will upgrade all packages.

Terminal Properties

General Network Input Display Desktop **Firmware** Security Printers Control Panel

Upgrade Server:

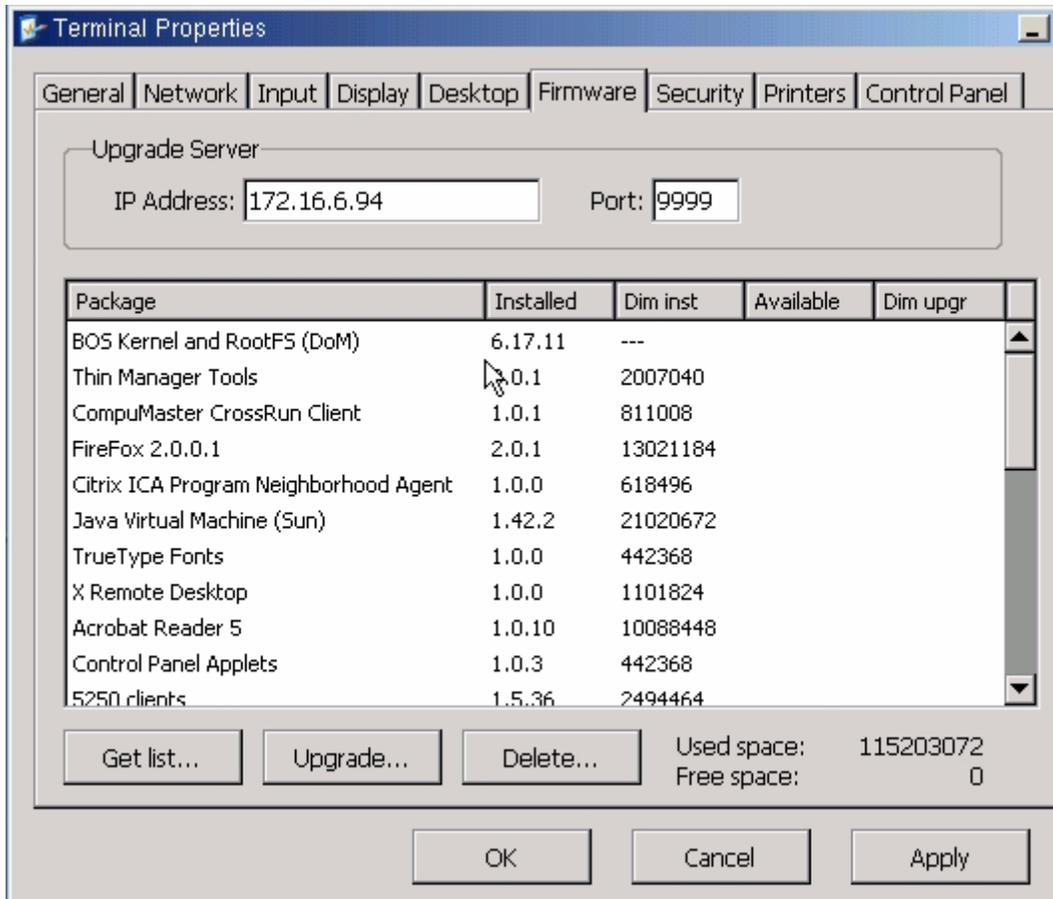
IP Address: Port:

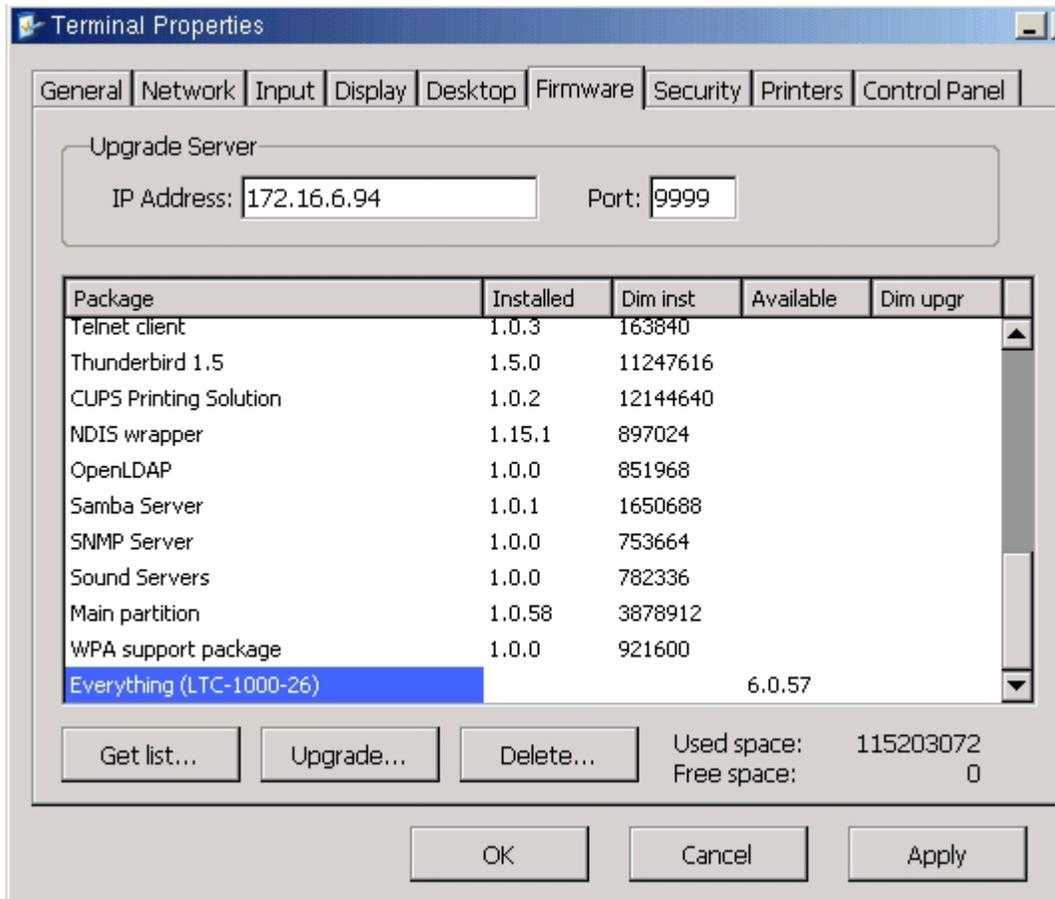
Package	Installed	Dim inst	Available	Dim upgr
---------	-----------	----------	-----------	----------

Get list... Upgrade... Delete...

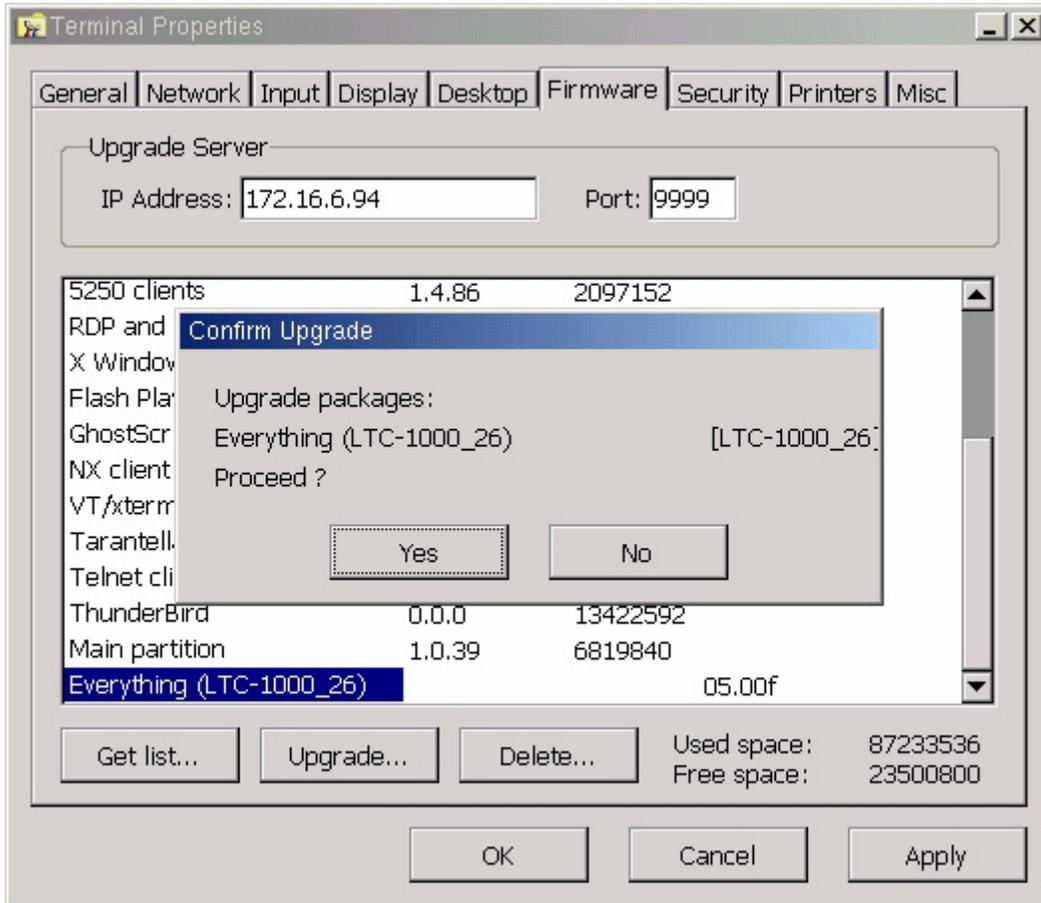
Used space: 324861952
Free space: 105039872

OK Cancel Apply





Note: Unless information is displayed in the **Available** column, it is not available to install.



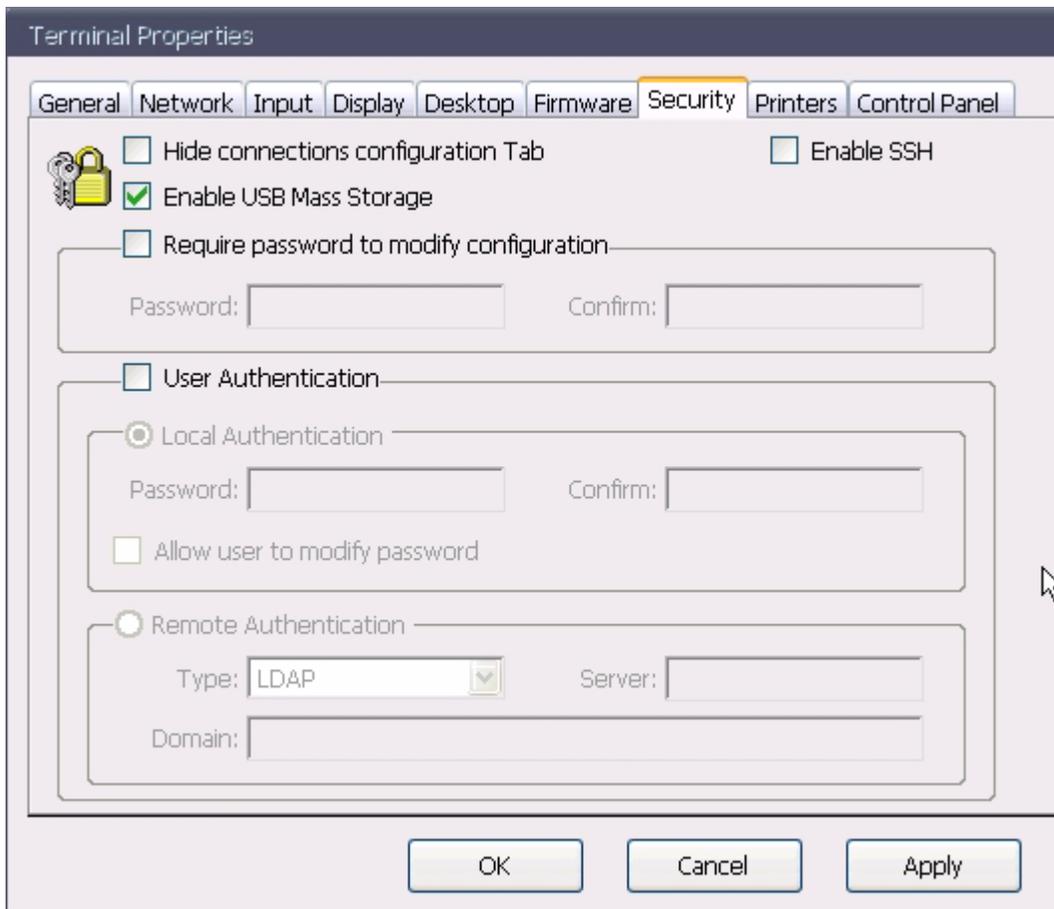
Terminal Properties - Security Tab

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 terminal manager- running on another Windows machine on the LAN. Shadowing uses VNC client from the remote terminal 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.

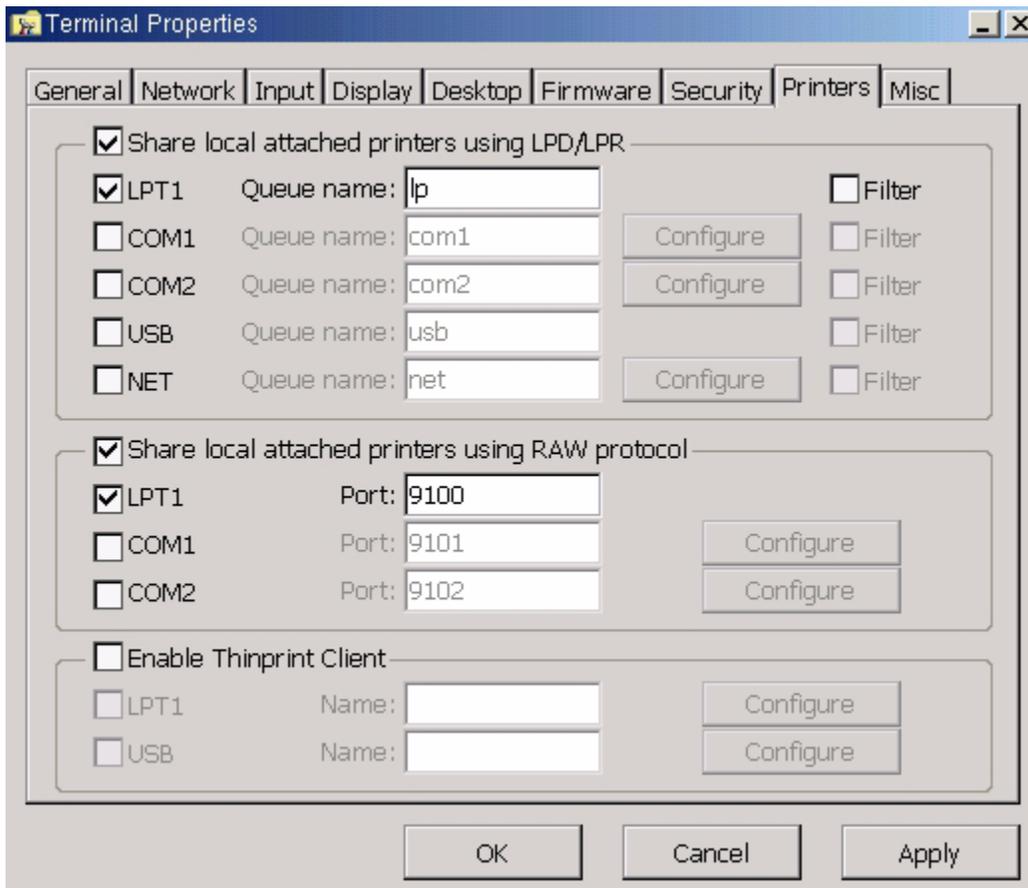
The Enable LPD printing option enables Unix LPD printing for the terminal on the specified device. This allows the terminal to function as a print server. LPD/LPR is required for Linux/Unix to connect to the LTC's printer(s) and for the LTC to print to an attached printer. By selecting the **Share local attached printers using LPD/LPR** the LTC becomes a Linux/Unix printer server.

The Enable Raw Printing option enables raw printing on the specified ports.

The Enable Thin Print Client option enables the Thin Print Client printing on the specified device. Parallel Attached Printer:

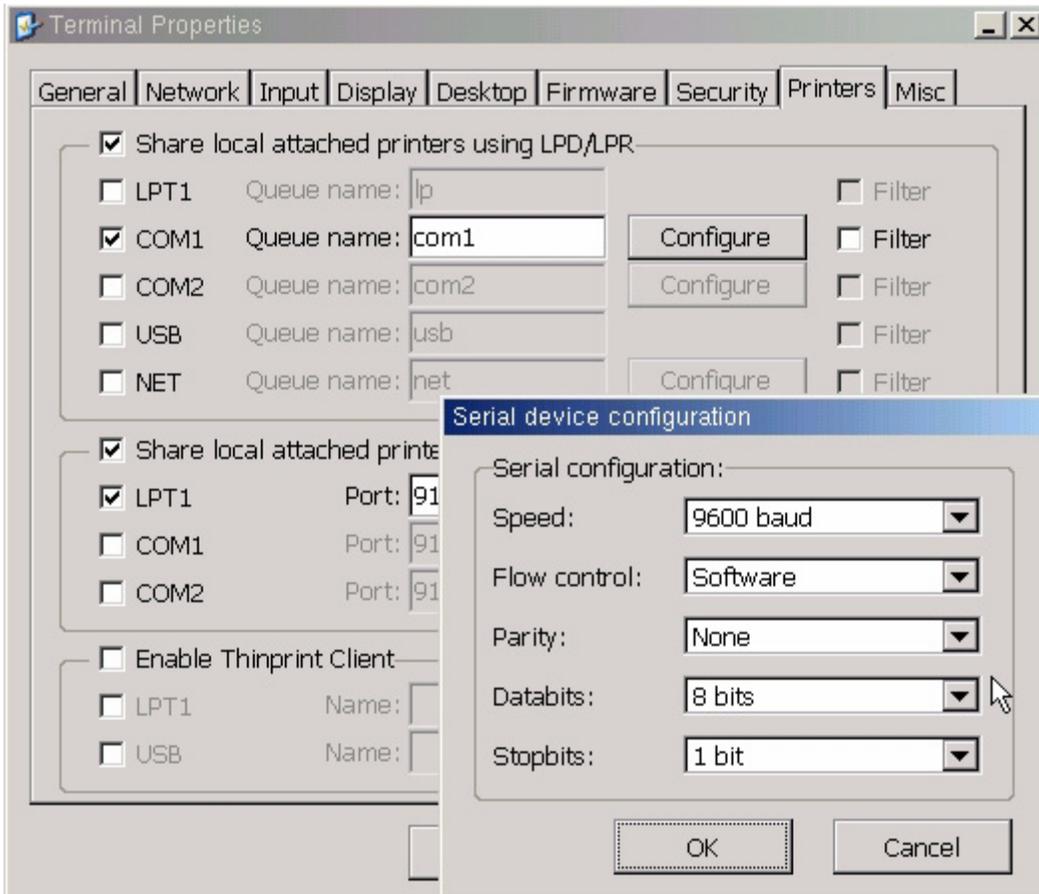
LPT Printer:

For an LPT attached printer, check LPT1 and enter a queue name.



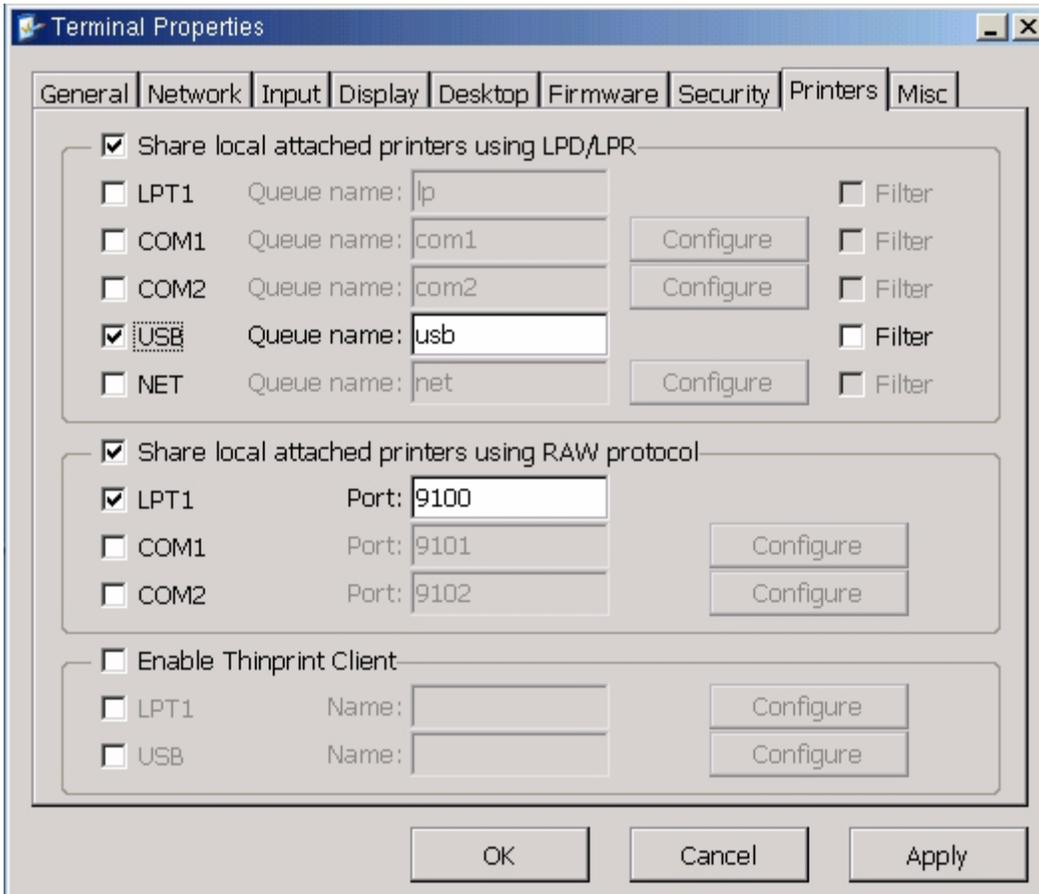
Serial Printer:

To configure a serial printer, uncheck LPT1 and check the associated com port and enter a queue name. To change configuration select configure to the right of the queue name.



USB Printer:

To configure a USB printer, uncheck LPT1 and check the USB box and enter a queue name. Although the unit may have multiple USB ports, only one USB printer connection can be defined.



The image shows the 'Terminal Properties' dialog box with the 'Printers' tab selected. The dialog has several tabs: General, Network, Input, Display, Desktop, Firmware, Security, Printers, and Misc. The 'Printers' tab is active and contains the following settings:

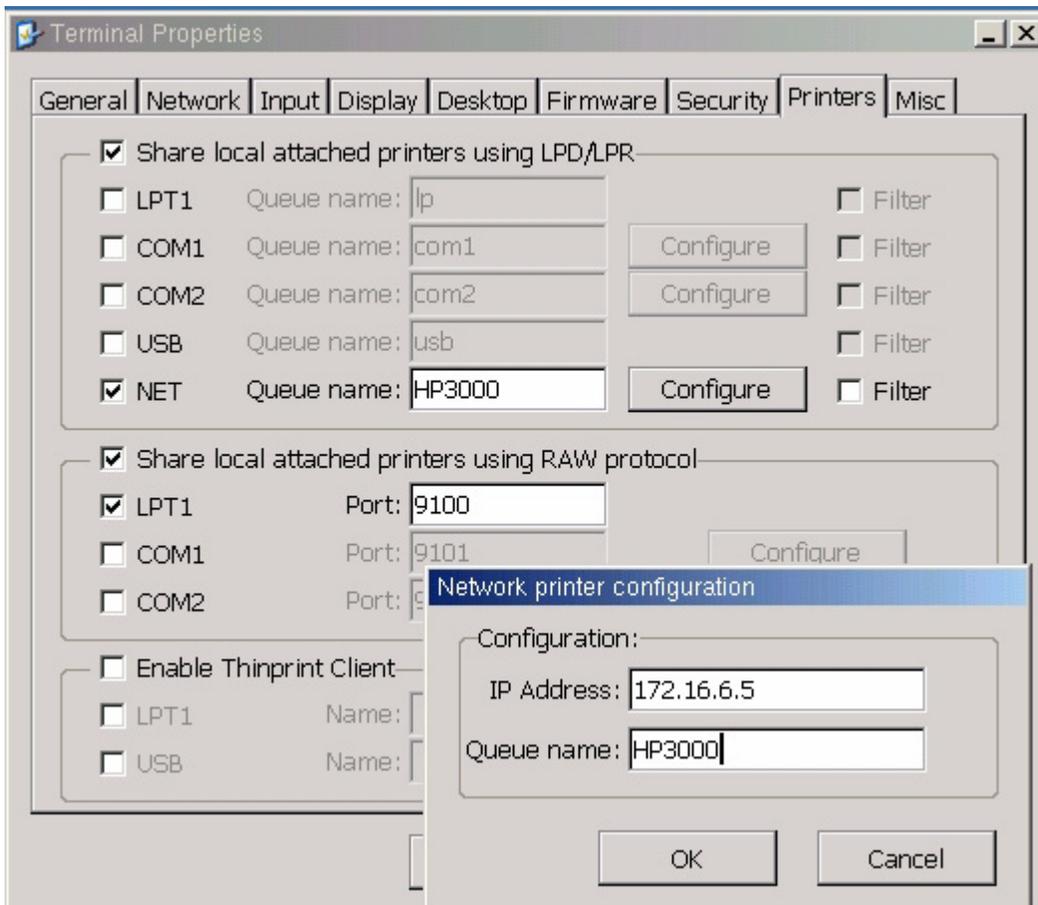
- Share local attached printers using LPD/LPR
 - LPT1 Queue name: lp Filter
 - COM1 Queue name: com1 Filter
 - COM2 Queue name: com2 Filter
 - USB Queue name: usb Filter
 - NET Queue name: net Filter
- Share local attached printers using RAW protocol
 - LPT1 Port: 9100
 - COM1 Port: 9101
 - COM2 Port: 9102
- Enable Thinprint Client
 - LPT1 Name:
 - USB Name:

At the bottom of the dialog are three buttons: OK, Cancel, and Apply.

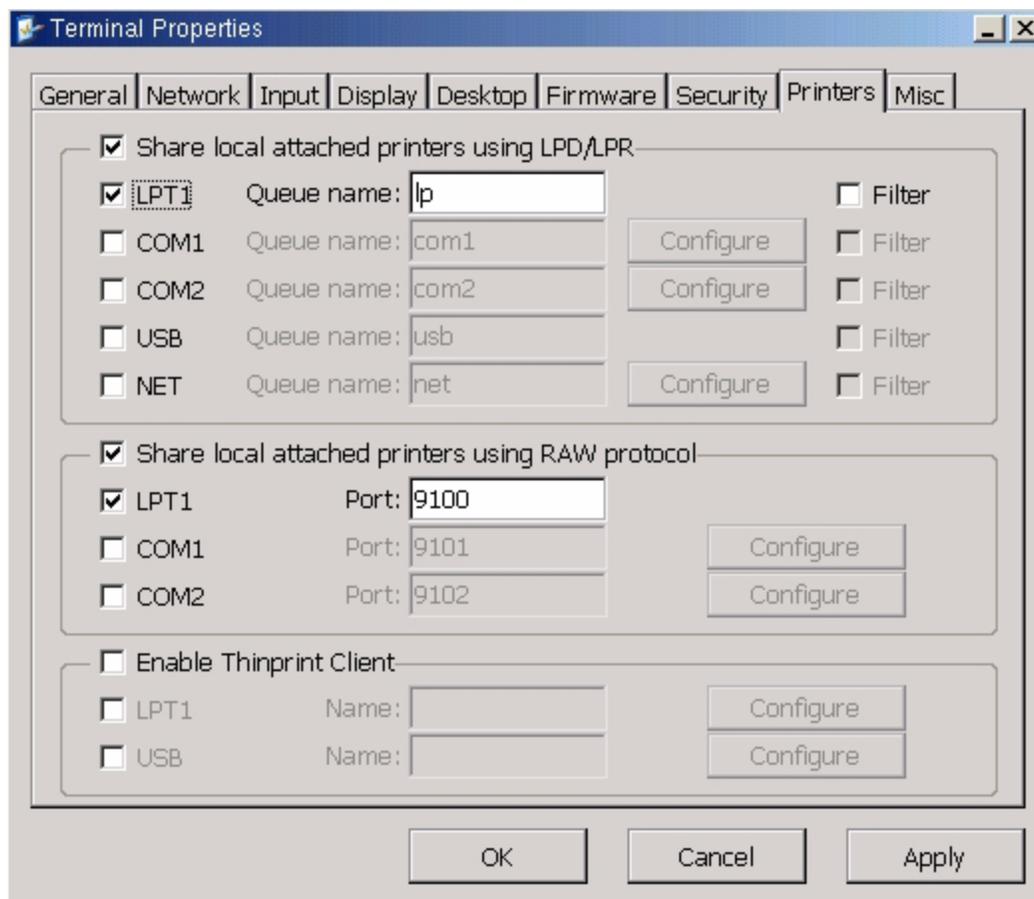
Network Printer:

To configure a network printer uncheck LPT1 and check the Net box and enter a queue name. Select configure and enter the IP address of the network printer and the queue name assigned to it.

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



To share a local attached printer using RAW, check the share box and the associated connection type.

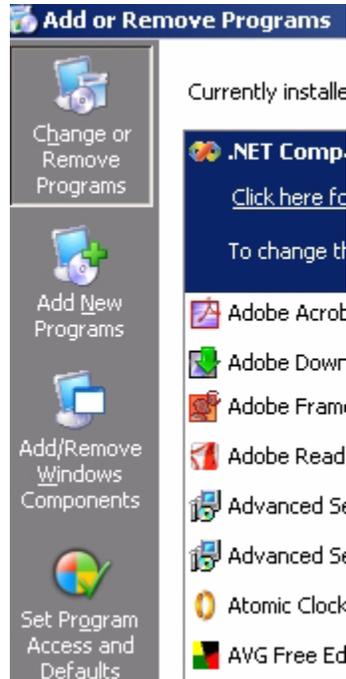


NOTE: 5250 and 3270 Printer sessions are configured totally separate from the printer configuration in Terminal Properties.

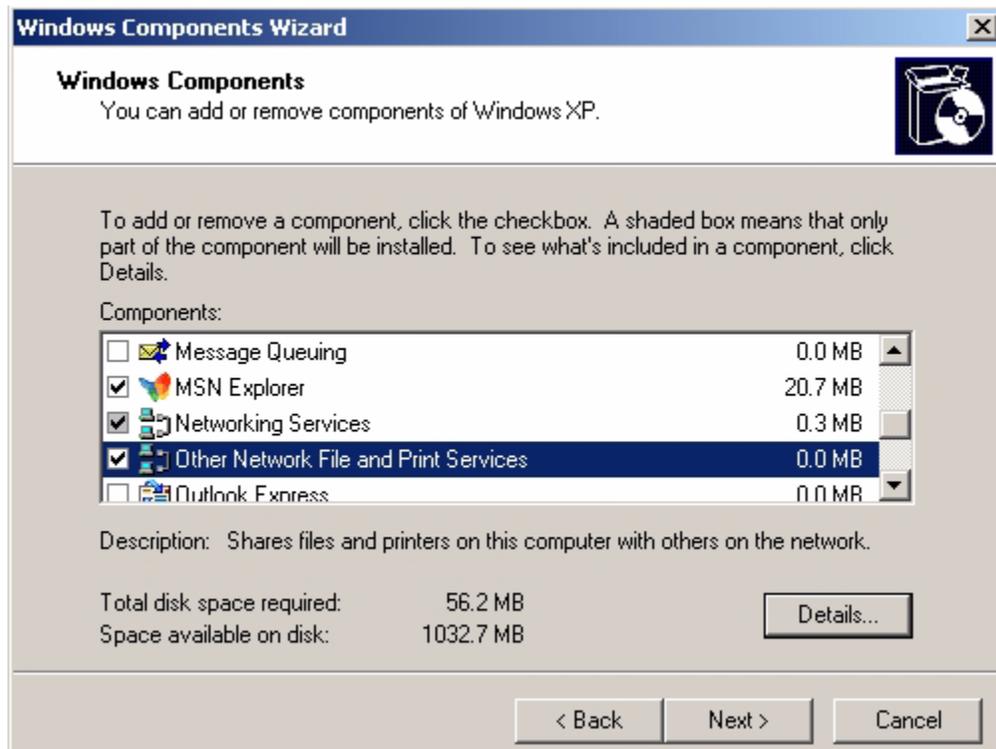
NOTE:

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. The steps below explain the process to install a Linux Printing Client on a Windows PC.

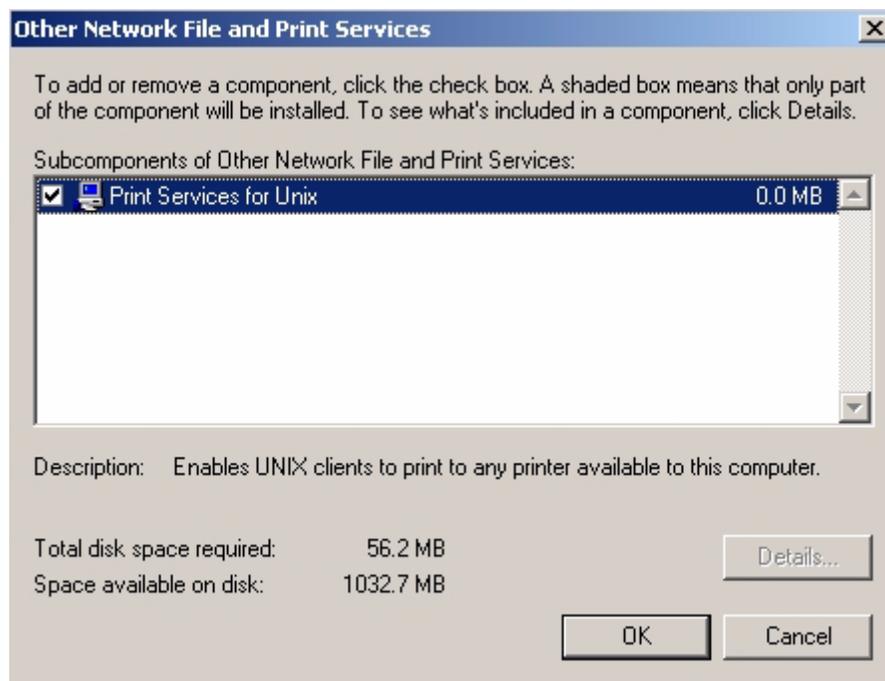
Select add/remove programs in the Windows control panel and then select Add/Remove Windows Components.



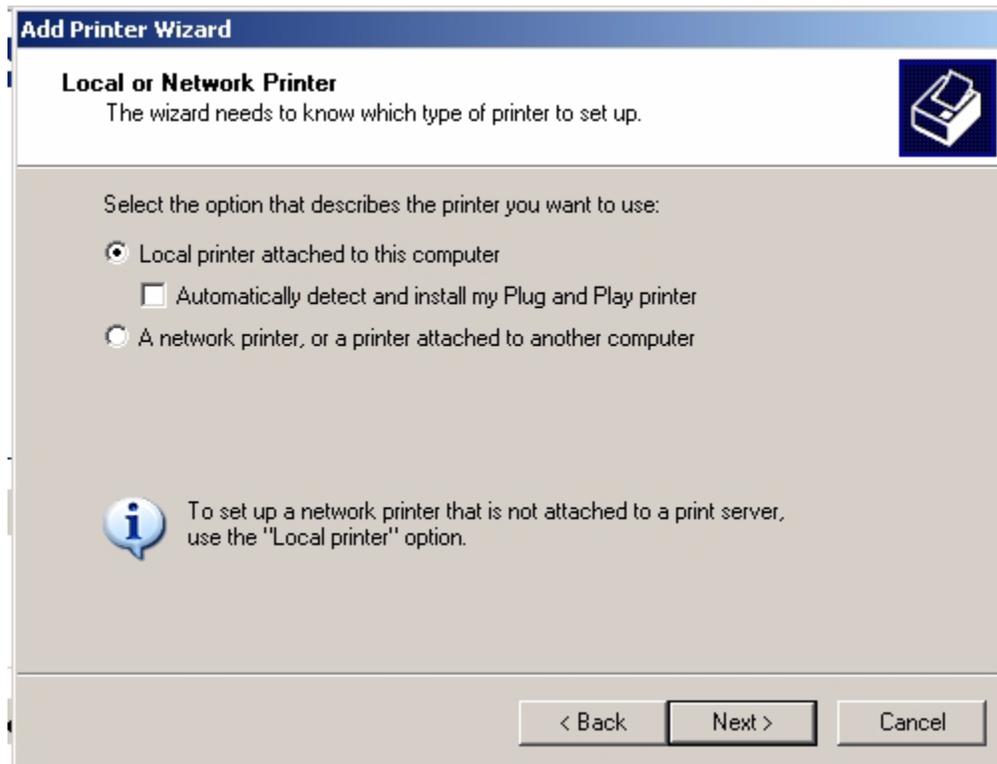
Highlight Other Network File and Print Services and select Details.



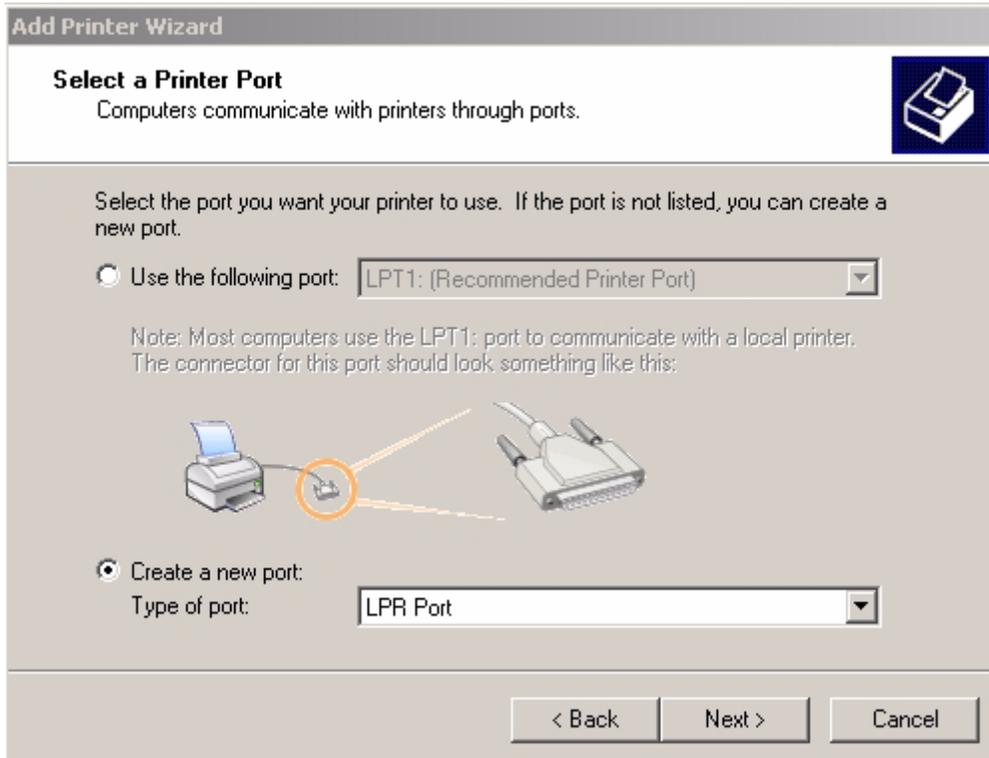
Check Print Services for Unix and select OK



On the Windows PC add a Printer. Select Local printer attached to this computer.



Select Create a new Port with type of port LPR Port.



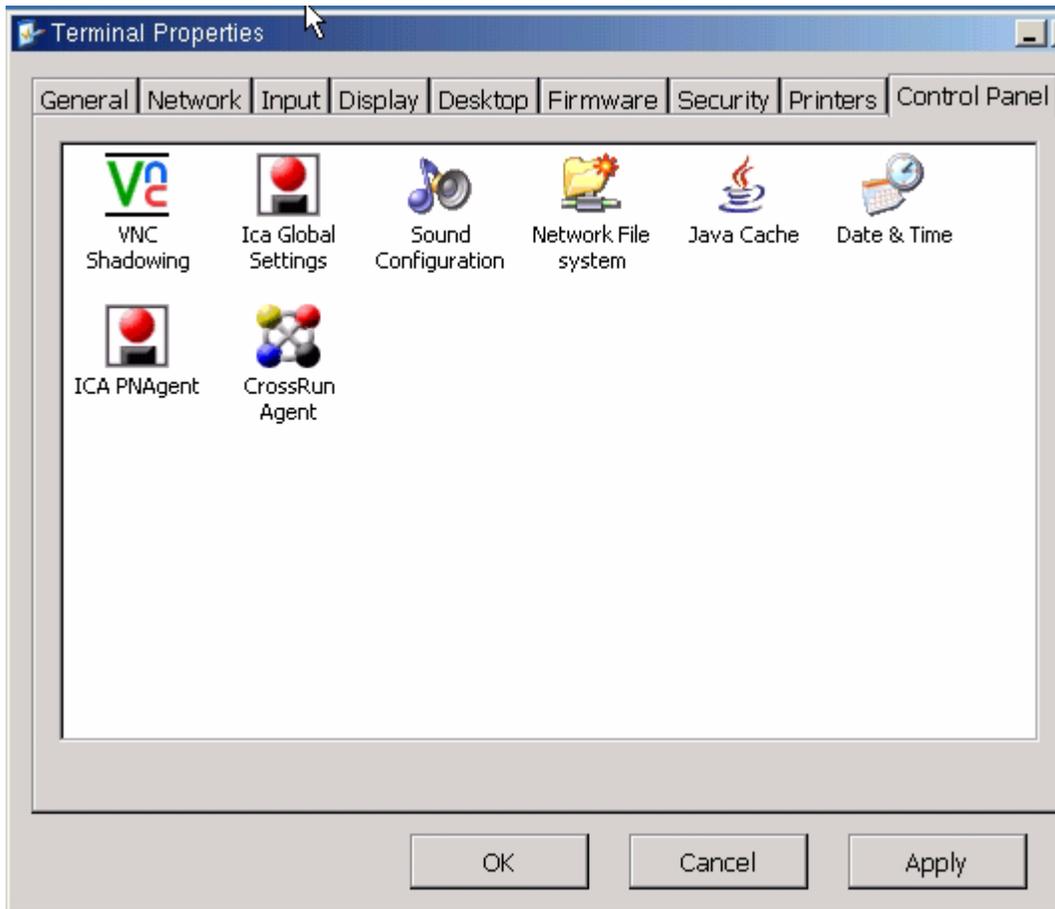
Enter the DNS name or IP of the Thin Client with the printer attached. Enter Queue name entered under the printer tab in terminal properties of the Thin Client.



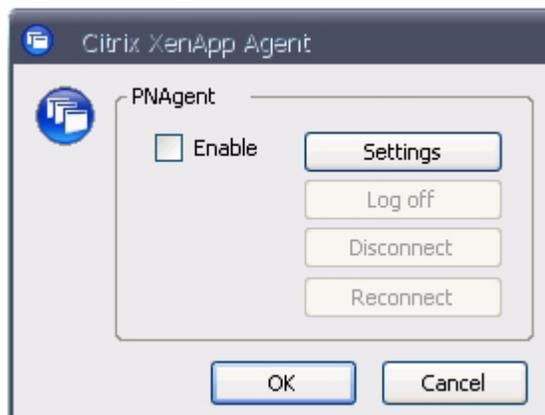
Share local attached printers using LPD/LPR must be checked on the Thin client in terminal properties under the printer tab for the printer to be shared from the Thin Client.

Terminal Properties - Misc Tab

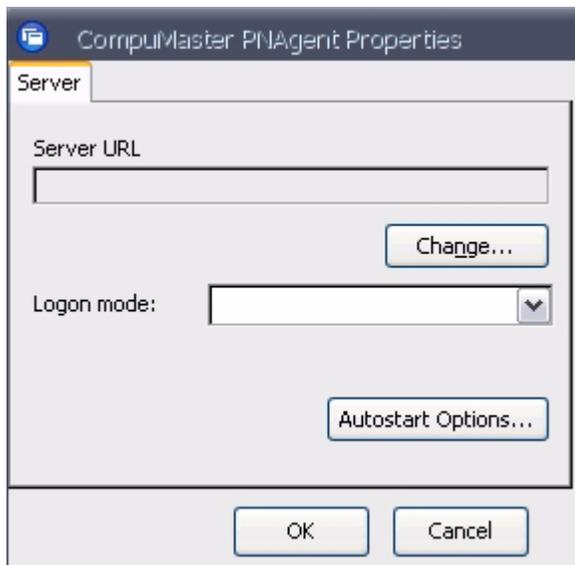
The Misc configuration page allows the configuration of ICA PNAgent, CrossRun Agent, VNC Shadowing, ICA Global Settings, Sound Configuration, Network File System, Java Cache and Date & Time Configuration.



ICA PNAgent:



Settings



CrossRun Agent Configuration:

CrossRun is a server product that requires a small client component installed on each device in order to access the Terminal Server.



CrossRun Logon Parameters

This section controls the Logon to the CrossRun Server.

Option Description

User Name - The user name for accessing the CrossRun Server.

Password - The password for accessing the CrossRun Server.

Save Password - When checked, this option saves the password such that the user need not enter it again.

Auto Logon - When checked, the logon will occur automatically when the CrossRun Agent is started (this option is only valid when the Save Password option is enabled).

Shortcut Configuration

This section controls how the published applications will be presented to your Desktop and/or Program Menu.

Option Description

Create Desktop Shortcuts - When this option is selected, shortcuts will be created to the published applications on your Desktop. The icons used will be the ones configured for the applications on the CrossRun Server.

Create Start\Programs Shortcuts - When this option is selected, shortcuts will be created on the Start menu to the CrossRun published applications in groups as configured on the CrossRun Server.

CrossRun Server Access Profile

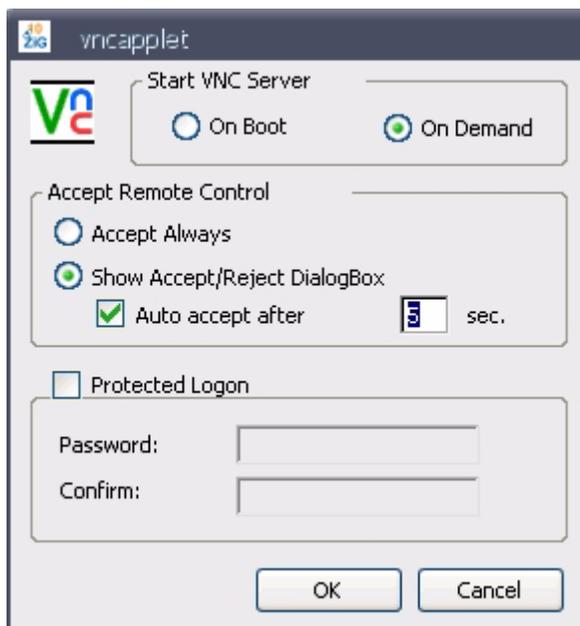


The screenshot shows a dialog box titled "Cluster access configuration" with a close button in the top right corner. The main title is "CrossRun Server Access Profile." Below this, there is a "Profile Name:" field with a dropdown arrow. The "Access protocol:" is set to "TCP" with a dropdown arrow and a "Configure..." button. There are two radio button options: "Access to CrossRun Single Server" (unselected) and "Access to CrossRun Cluster" (selected). Under the "Access to CrossRun Single Server" option, there is a "Server Name/IP:" field. Under the "Access to CrossRun Cluster" option, there is a "Cluster Name:" field containing "CrossRun". Below this is a list box titled "CrossRun Cluster access points:" containing the entry "crossrun". To the right of the list box are five buttons: "Add", "Edit", "Delete", "Move Up", and "Move Down". At the bottom of the dialog are four buttons: "Save Profile", "Delete Profile", "OK", and "Cancel".

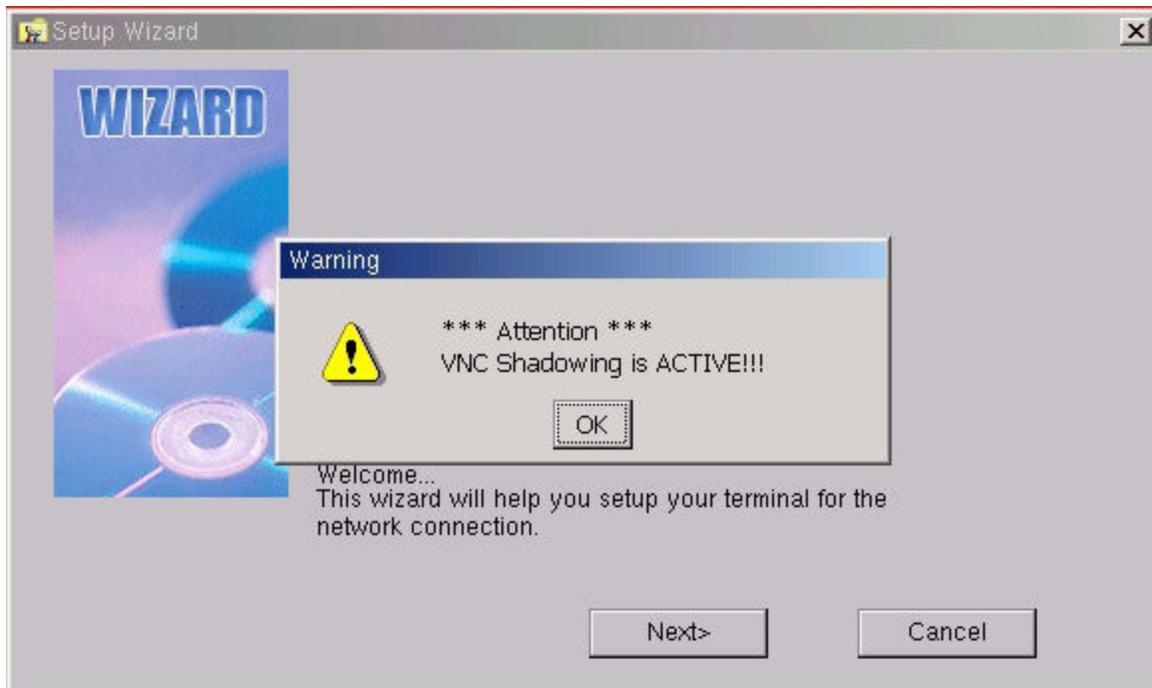
The Access Profiles section allows you to define a profile for accessing a CrossRun Server. To Access to CrossRun Server enter the Server Name/IP.

VNC Shadowing Configuration:

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.



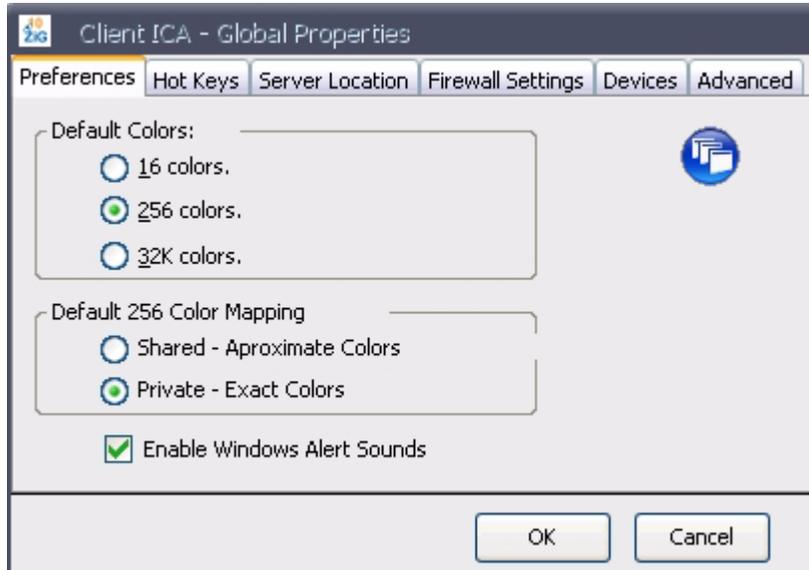
A password can be assigned to the unit by selecting Protected Logon and completing the password information.



Client ICA - Global Settings:

This area controls global settings for ICA sessions. This assists in setting some of the standard settings for ICA clients to enable the same display settings, server settings, and/or firewall settings.

Preferences

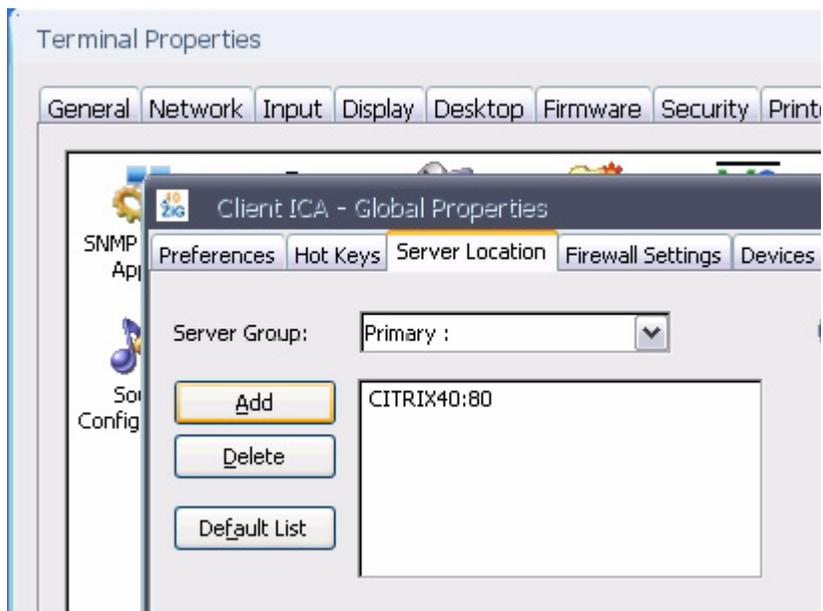
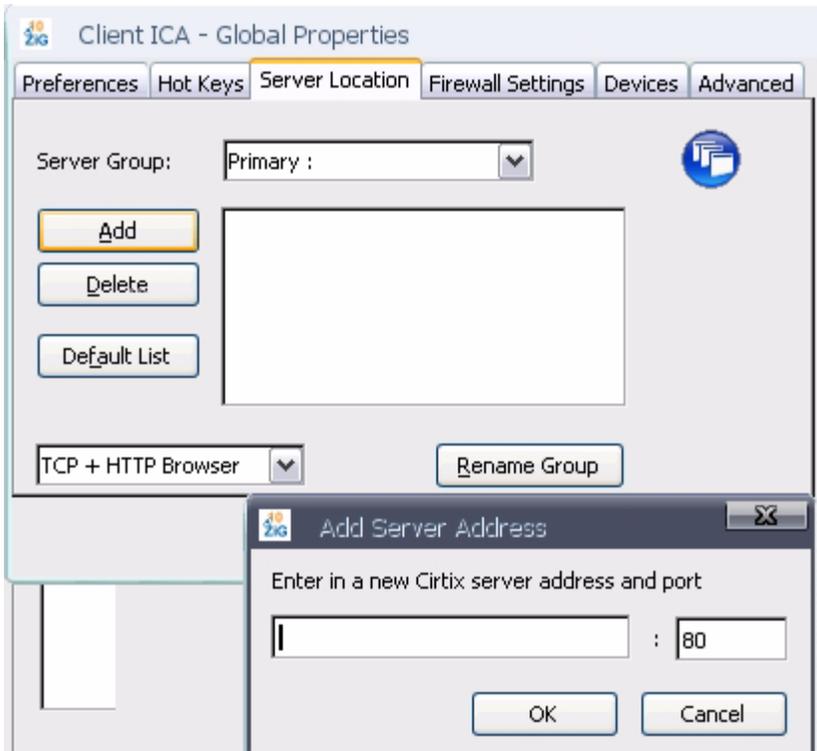


Hot Keys

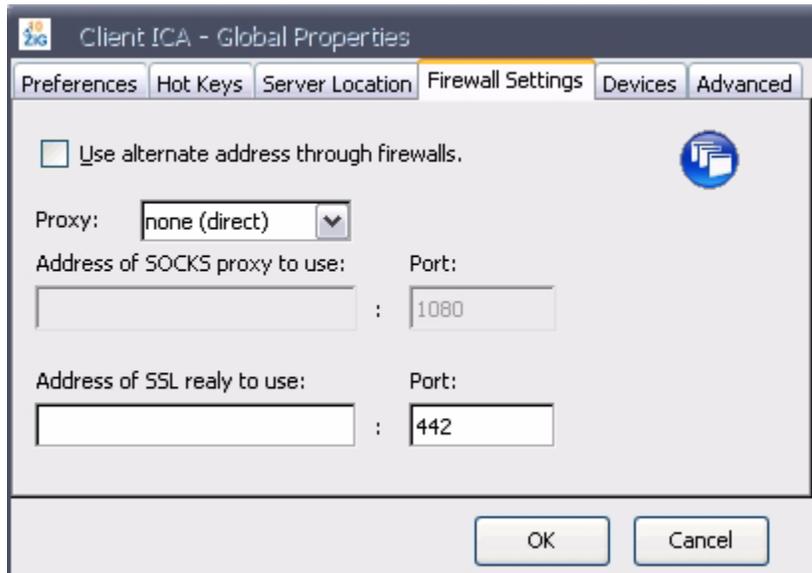


ICA Server Location

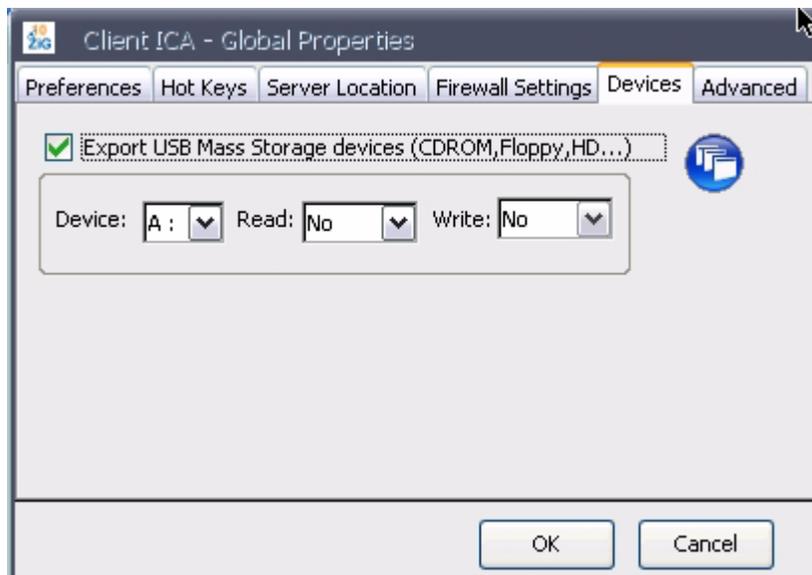
To add a Citrix server select add and enter the server name or IP.



Firewall Settings



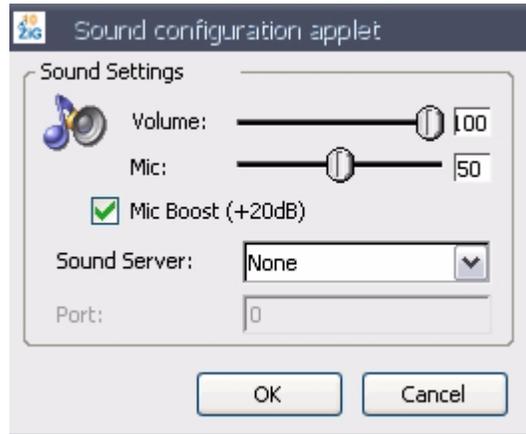
Devices



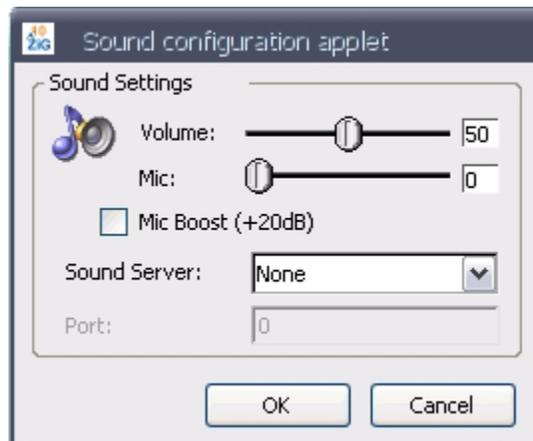
NOTE: USB Floppy and USB Flash are by default set to READ NO and Write NO, this will need to be changed to YES to access this from CITRIX.

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.



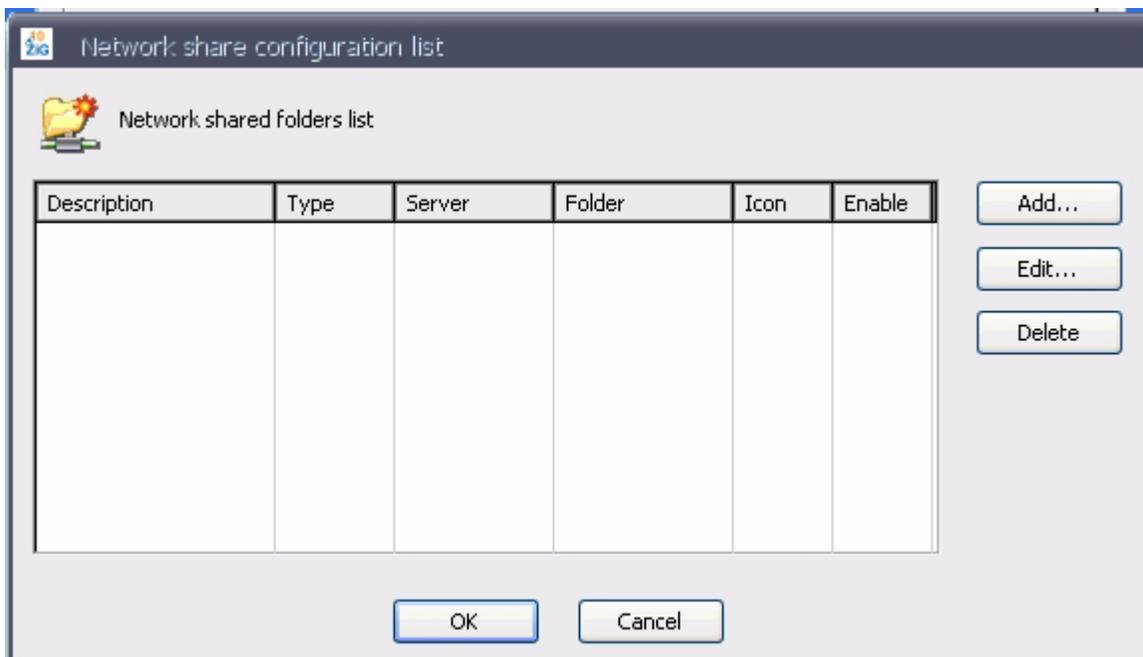
This can be used with SGD or NXclient to have sound with the desktop.



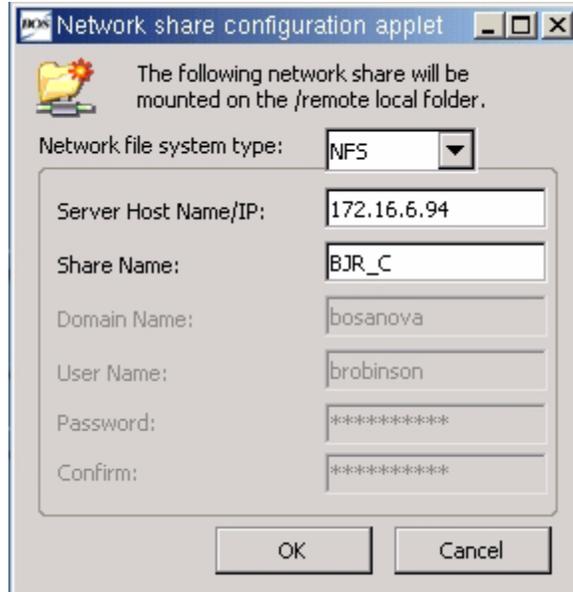
Network File System:

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.



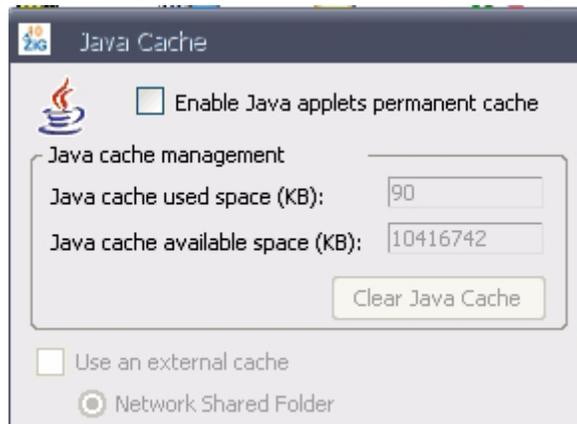
For an NFS share, select the file system type NFS and complete the required host name or IP and share name.



Java Cache:

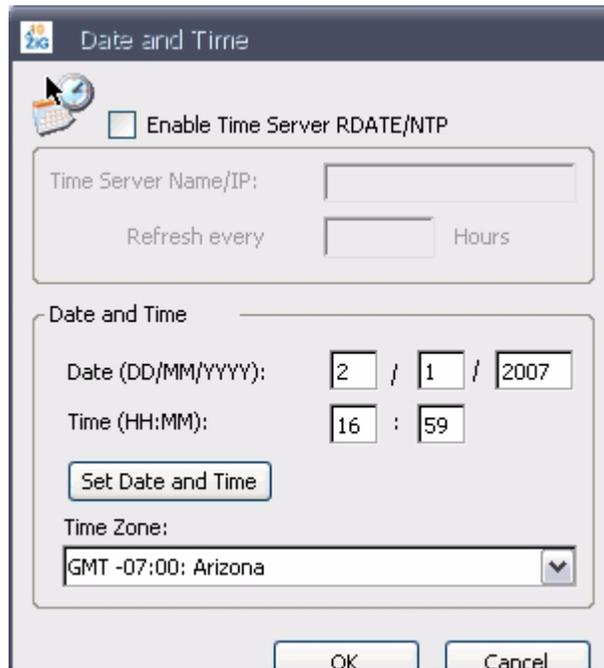
Check Enable Java applets permanent cache to enable Java cache management. To clear the Java Cache, select the Clear Java Cache button.

NOTE: This feature is not supported on all models.



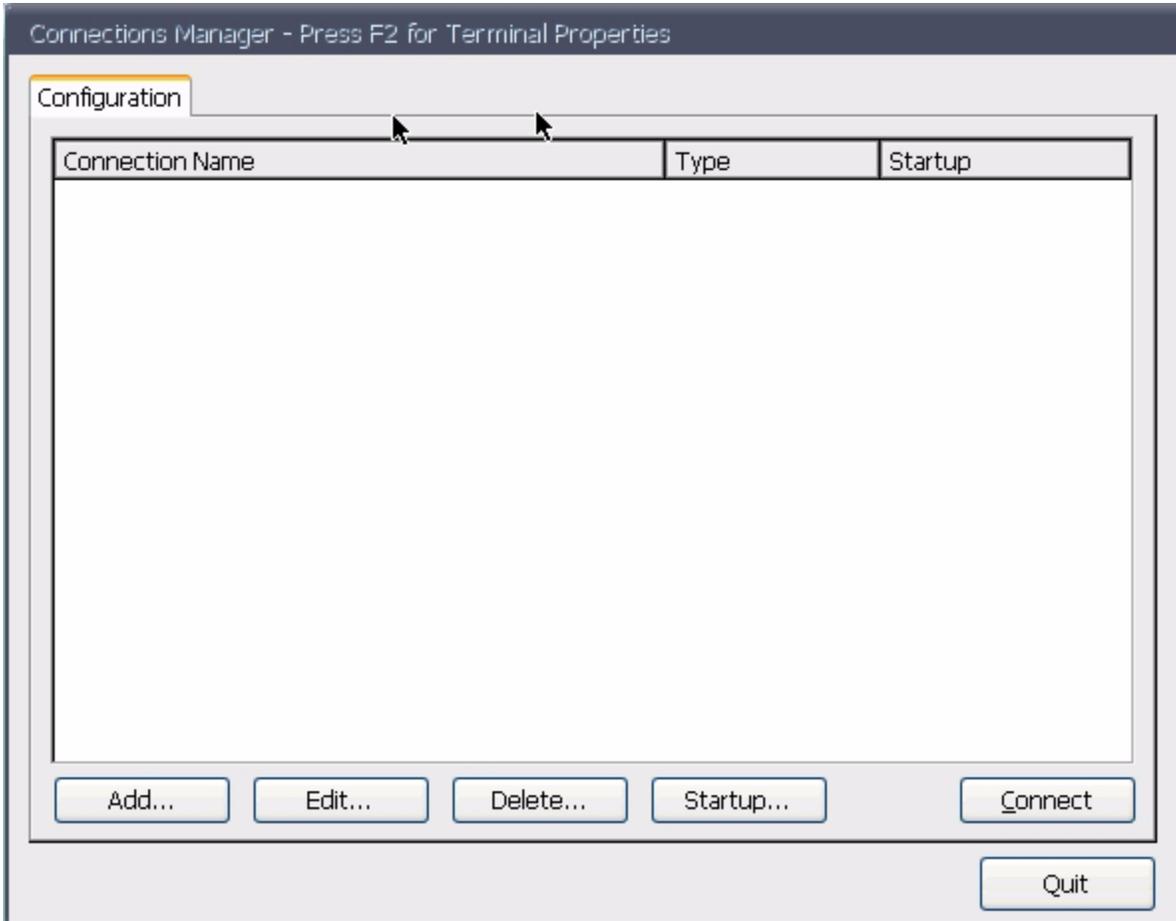
Date & Time:

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.



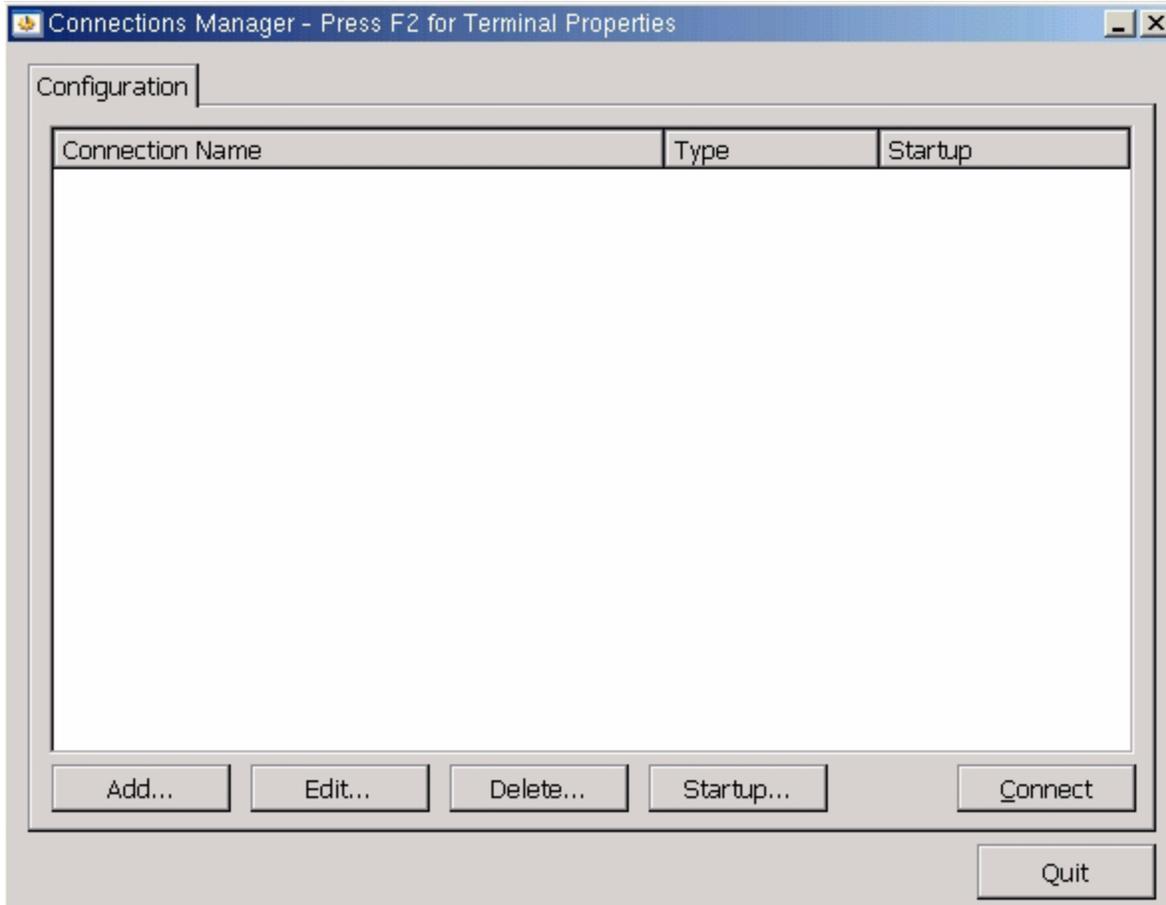
CONNECTIONS MANAGER

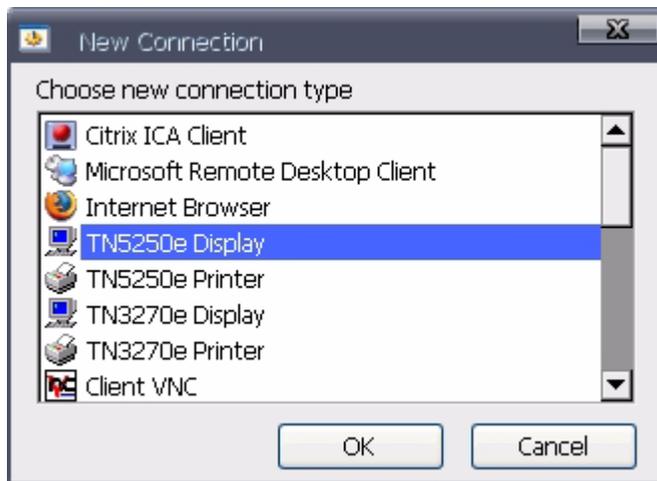
To access the connections manager select Start -> Settings -> Connection Manager.



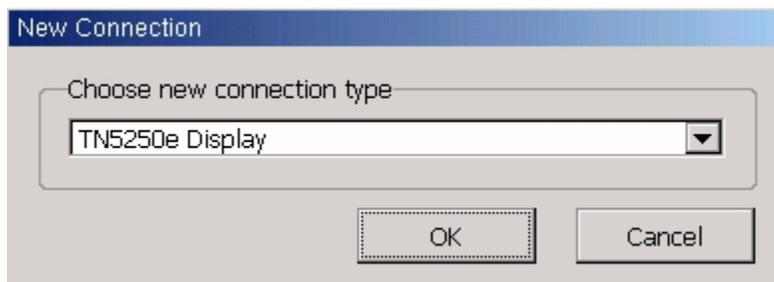
TN5250e Display

Select Add and then scroll down to select TN5250e Display

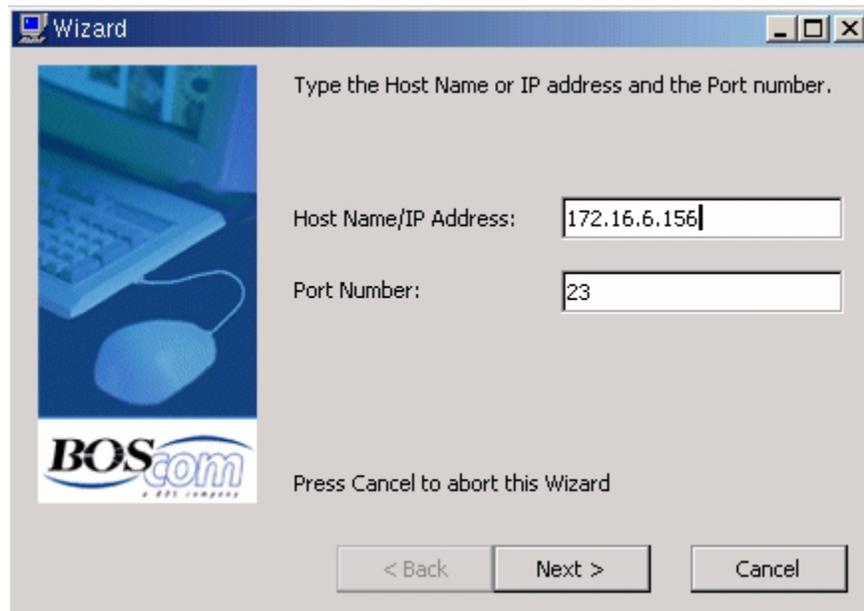




There are several options for the connection type in the drop down list - for the 5250 display session select TN5250e Display.



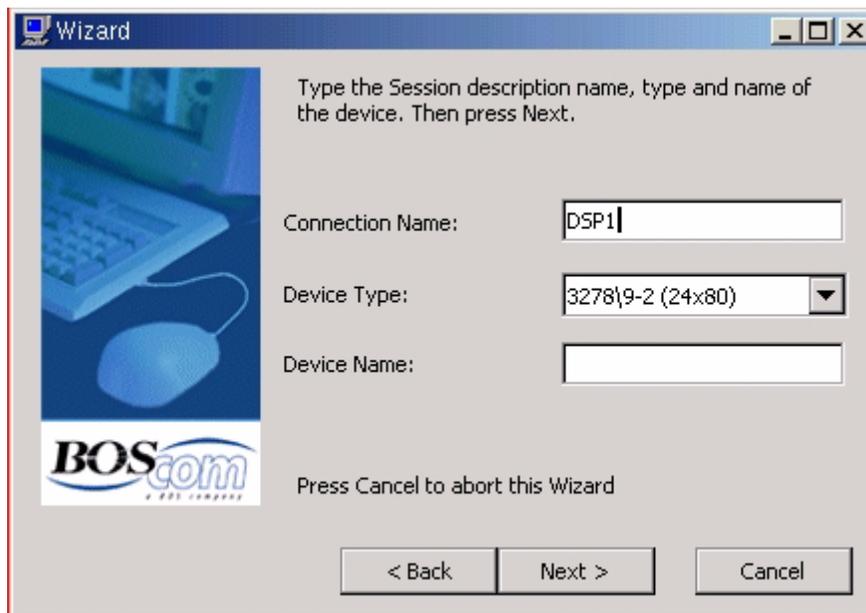
Enter the Host Name or IP address of the AS/400. Port Number is the default port for telnet. If this is changed, the AS/400 must be configured to accept connections on the non-standard telnet port.



The screenshot shows a Windows-style dialog box titled "Wizard" with a blue header bar. On the left side, there is a graphic of a computer keyboard and mouse, and the BOScom logo. The main area contains the following text and fields:

- Instruction: "Type the Host Name or IP address and the Port number."
- Field "Host Name/IP Address:" containing the text "172.16.6.156".
- Field "Port Number:" containing the text "23".
- Text: "Press Cancel to abort this Wizard".
- Buttons: "< Back", "Next >", and "Cancel".

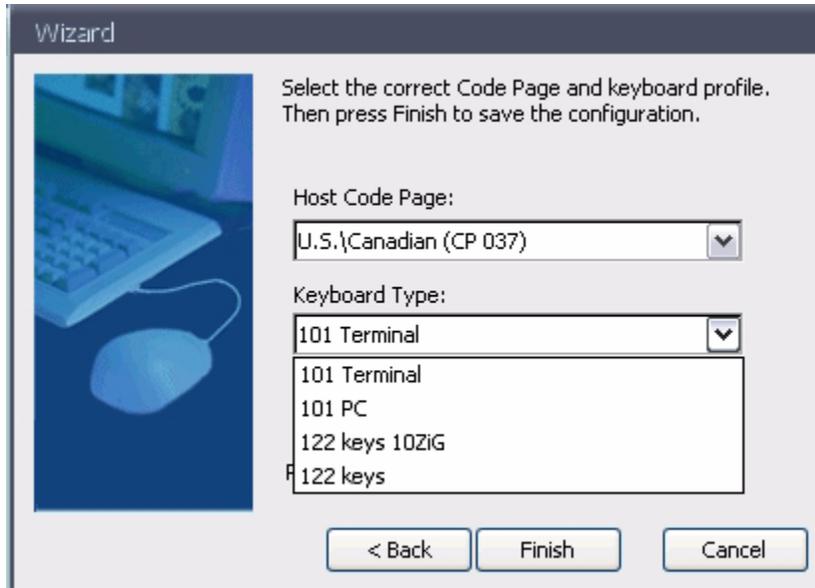
The connection name is the name of the session on the thin client and the device name is the name of the device description on the AS/400



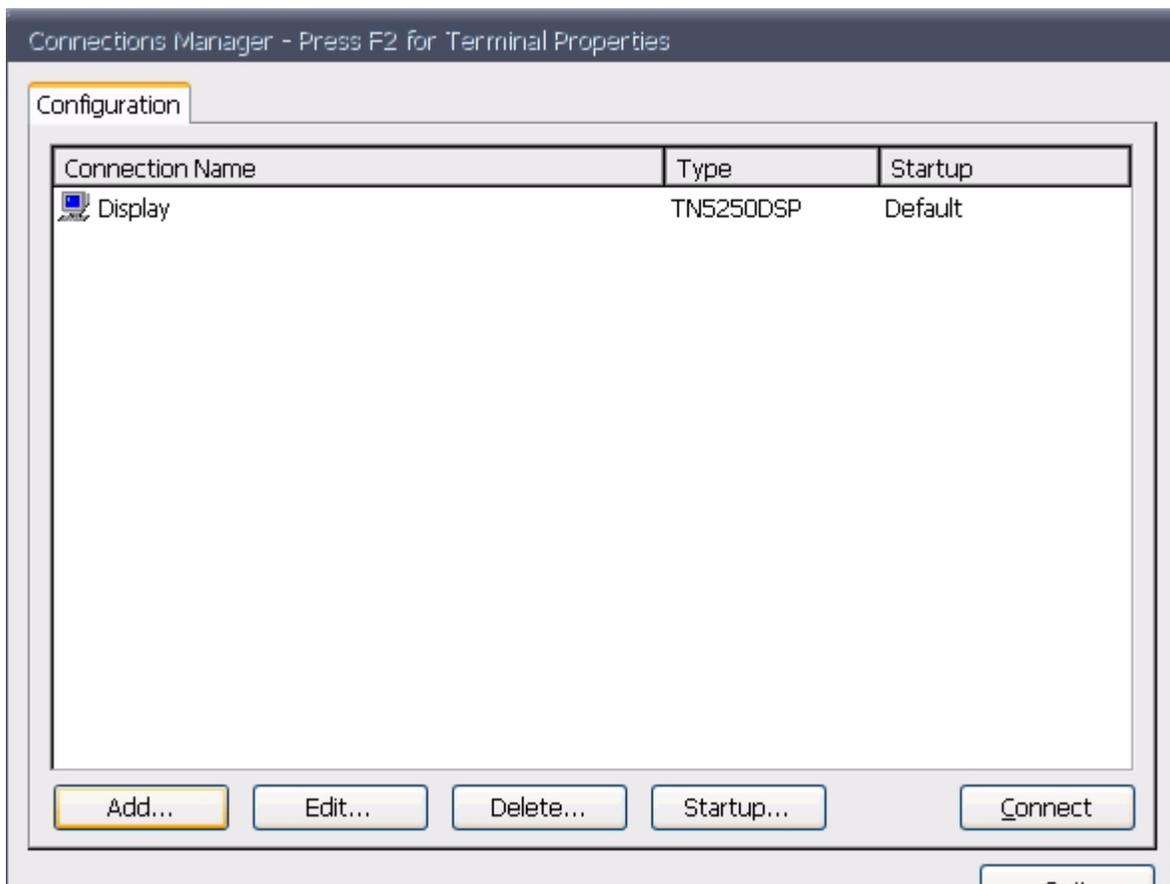
The screenshot shows the same "Wizard" dialog box, now at a different step. The left-side graphic and logo remain. The main area contains the following text and fields:

- Instruction: "Type the Session description name, type and name of the device. Then press Next."
- Field "Connection Name:" containing the text "DSP1".
- Field "Device Type:" with a dropdown menu showing "3278(9-2 (24x80)".
- Field "Device Name:" which is currently empty.
- Text: "Press Cancel to abort this Wizard".
- Buttons: "< Back", "Next >", and "Cancel".

The wizard will auto detect the attached keyboard. If a BOS 122 keyboard is attached, it will default to 122 keys 10ZiG. If a standard 101/102 keyboard is attached it will default to 101 Terminal (right control = enter). For the enter key to be enter using a 101/102 keyboard, select 101 PC.



The connection will appear in the connection manager and an ICON will be placed on the desktop for the session



To modify the connection, highlight the connection name and select edit.

Display Session Properties - Connection Tab

Connection tab allows for changes to the host name/IP address and the port number. Also allows for session changes such as connection name, device name and device type. For advanced options, select Advanced options....

The screenshot shows a dialog box titled "Display Session Properties" with a tabbed interface. The "Connection" tab is selected. The dialog is divided into two main sections: "Host Connection" and "Session".

Host Connection Section:

- Host Name/IP Address: 172.16.6.156
- Port Number: 23
- Advanced options... button

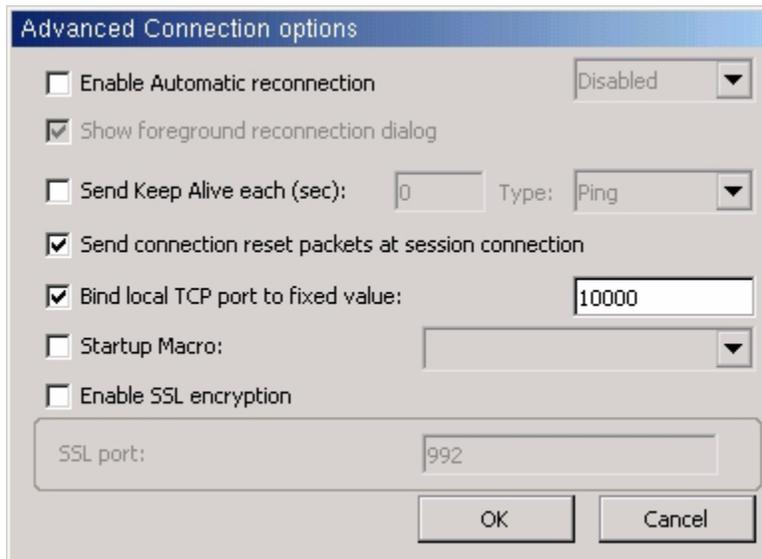
Session Section:

- Connection Name: Display
- Device Name: DSP05
- Device Type: 3477-FC (dropdown menu)

At the bottom right of the dialog are "OK" and "Cancel" buttons.

Enable Automatic reconnection - when enabled and the network connection is lost the unit attempts to reconnect the session - this works best when the connection between the unit and the host is local and does not go through a router.

Enabling Keep Alive each (sec) causes the unit to send a ping periodically to the AS/400 thus keeping the connection alive even when the unit is idle. Depending on the router type you may need to change the type to Telnet NOP.



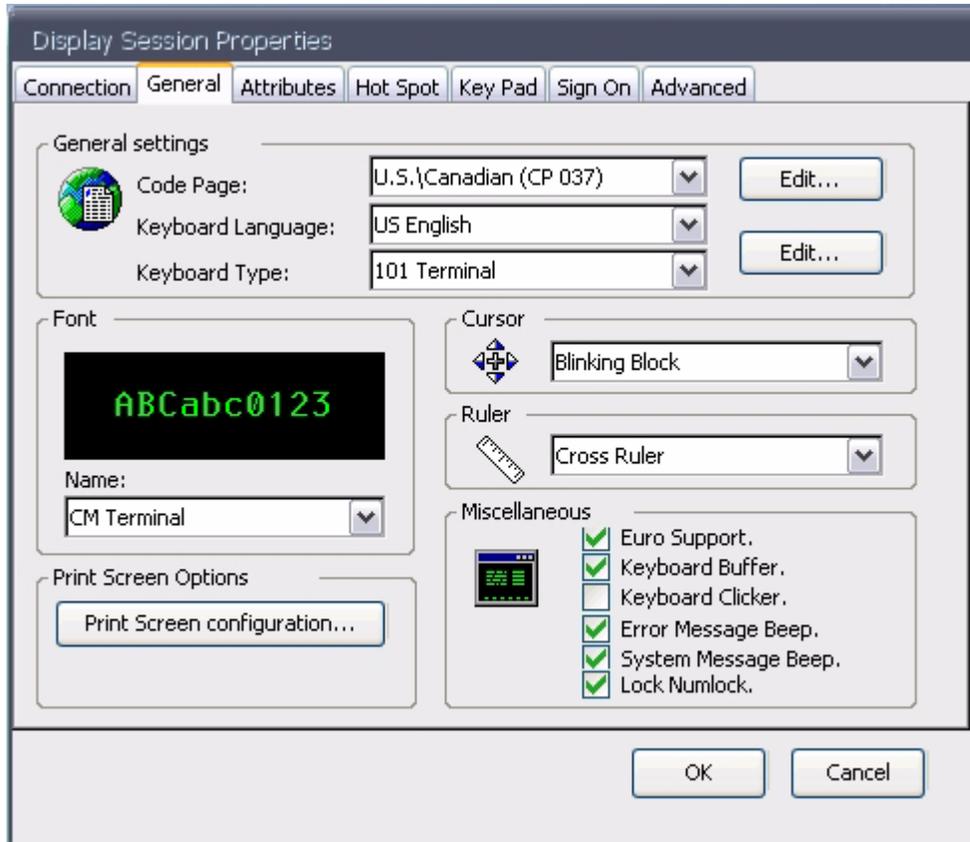
Bind local TCP port to fixed value is the port the telnet session communicates back to the unit. All 5250 session will by default communicate to the AS/400 on port 23.

Startup Macro: Do no check unless directed to do so by technical support.

Enable SSL Encryption: Check to enable - SSL must be configured on the host.

Display Session Properties - General Tab

Allows for changes to Code Page, Keyboard Language, Keyboard Type, Cursor options, Ruler options, Print Screen Configuration and other Miscellaneous options.



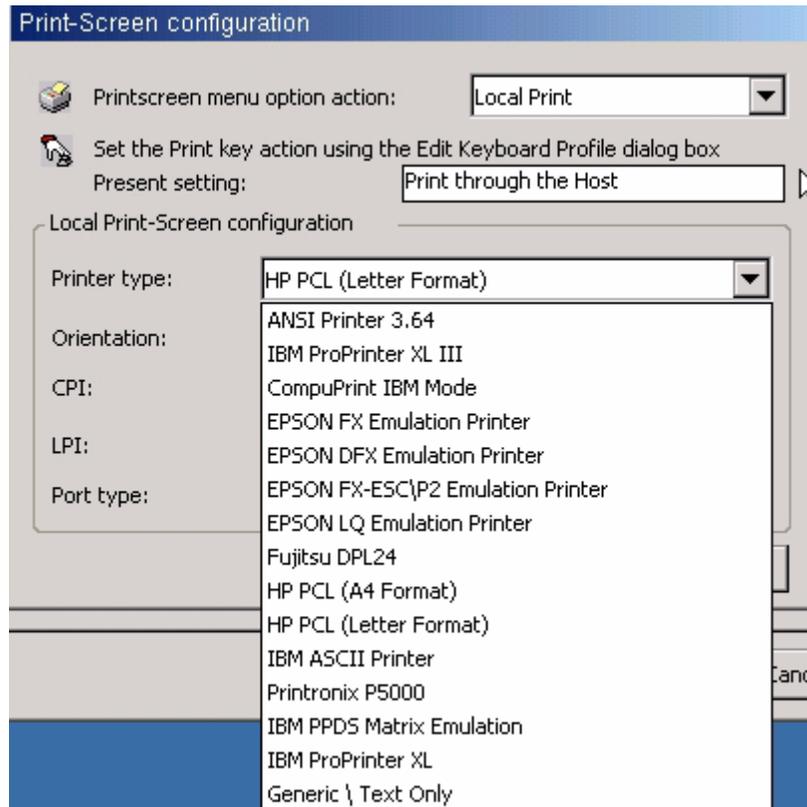
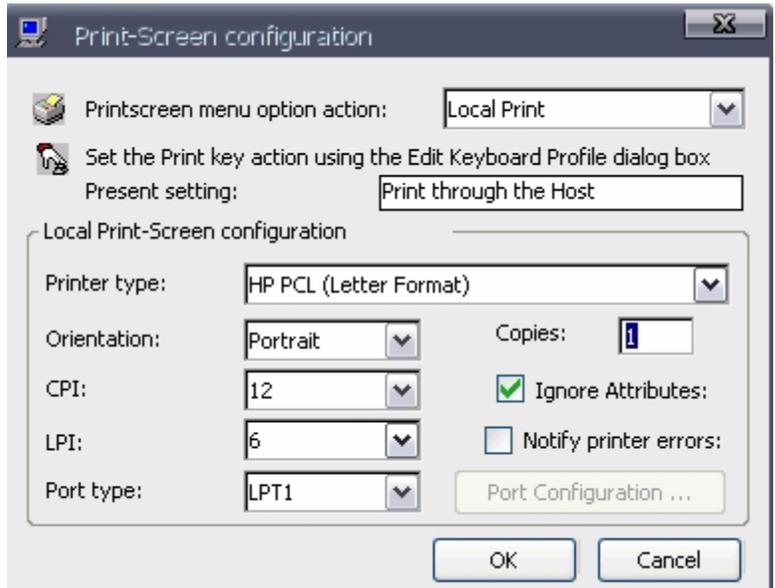
Font options are CM Terminal or Courier New

Cursor options are Blinking Block, Blinking Line, Non-Blinking Block, or Non-Blinking Underline.

Ruler options are Cross Ruler, Horizontal Ruler or Vertical Ruler.

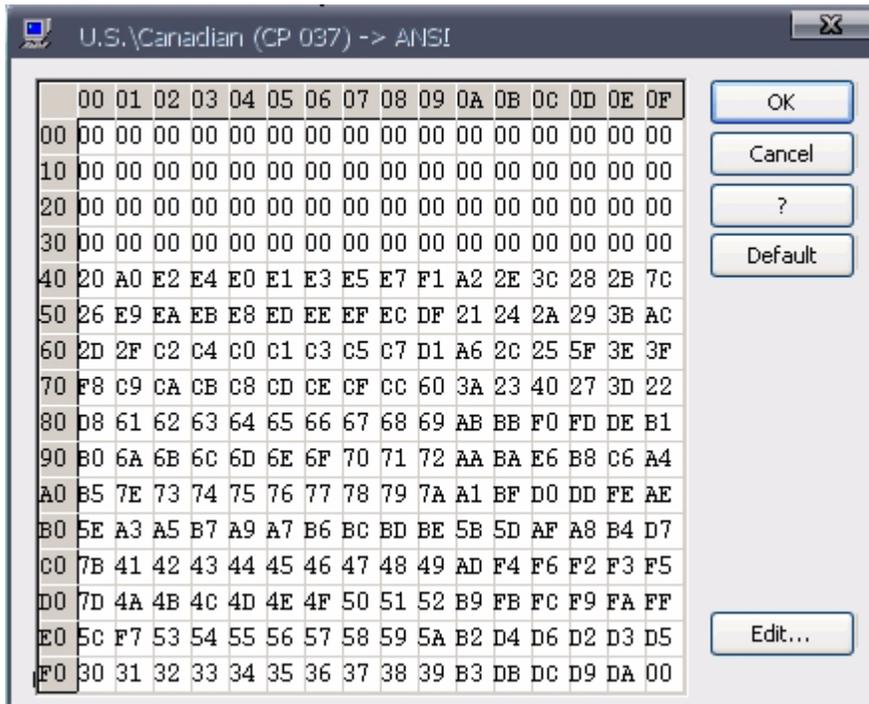
Miscellaneous options can be turned on and off by checking or unchecking associated boxes.

Printscreen menu option action determines if the print screen key can be set to Local Print, Print through the Host or Function Disabled.



Printer type is limited to built in drivers, select the closest match. If in doubt, try Generic/Text Only or use Host Print Transform.

To edit the code page select edit to the right of Code Page.



Code page is the traditional IBM term used for a specific character encoding table: a mapping in which a sequence of bits, usually a single octet representing integer values 0 through 255, is associated with a specific character.

5250/3270 communication is encoded using EBCDIC. The code page is a lookup table which converts EBCDIC to ASCII to display and/or print the data.

For printer sessions, sometimes the AS400 applications will send special EBCDIC characters to control the printer. (ie - specifically for barcodes). In this case it may be necessary to modify the transcode table to select the proper ASCII code required by the printer.

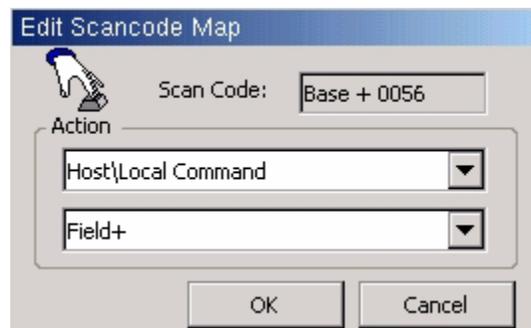
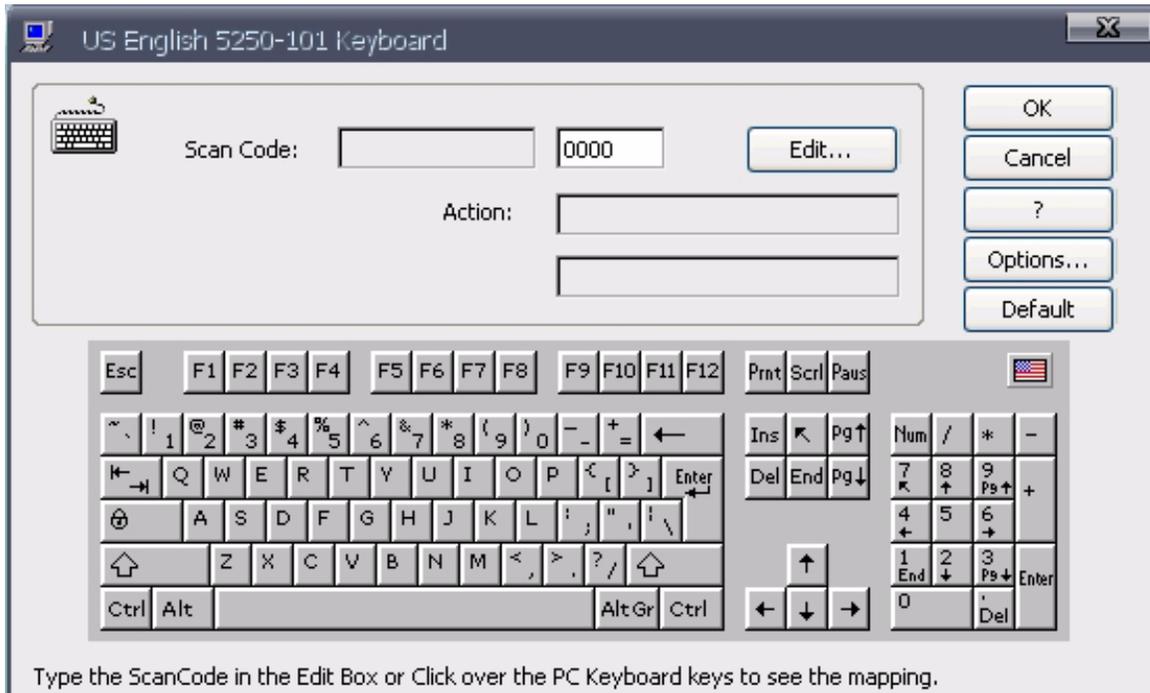
For instance an application may send an EBCDIC 'B0' as the start barcode command. By default this is mapped to an ASCII 0x5e - '^'. Sometimes the barcode printer will require an ASCII 0x24 - '\$'. In this case you can edit the transcode table entry for EBCDIC 'B0' and change it from 0x5e to 0x24.

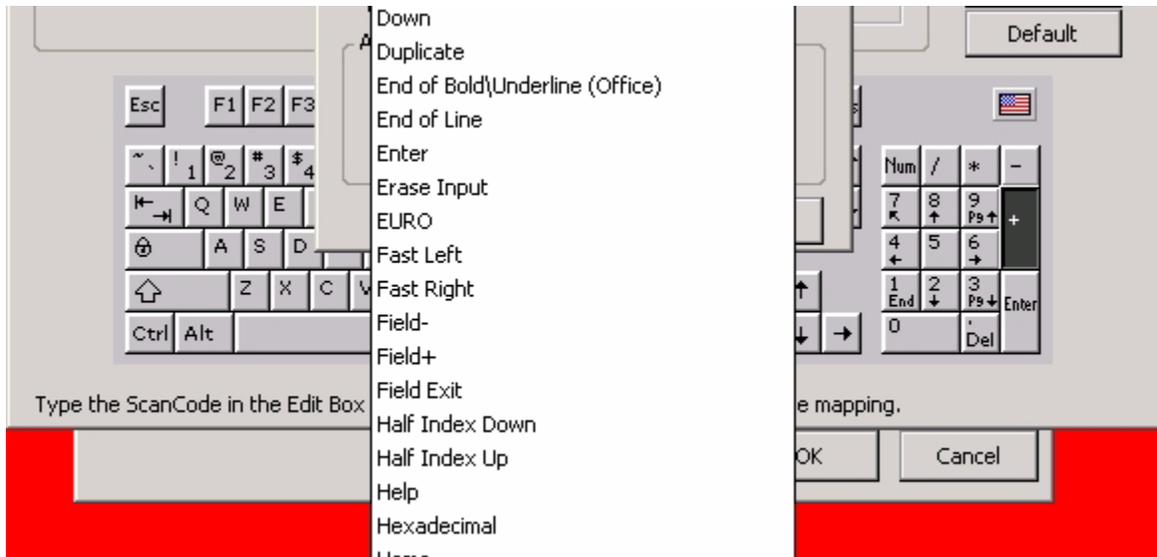
When editing the transcode table the vertical rows are the MSB of the EBCDIC code, while the horizontal cols are the LSB of the EBCDIC code. So for EBCDIC 0xB0, go to the B0 row and the 00 column.

Remapping the Keyboard

Select Edit to the right of the keyboard type to edit the keyboard.

To modify a key, select the key with the mouse. Action will change accordingly. Select Edit and then change the action to the desired command.





US English 5250-101 Keyboard

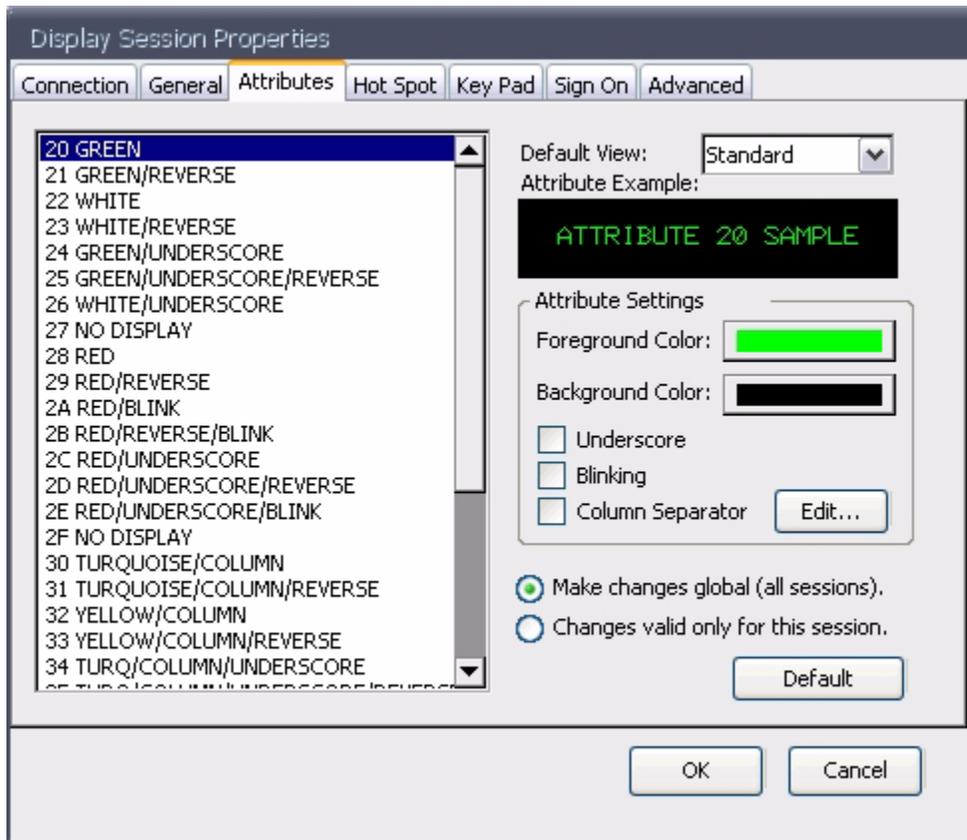
 Scan Code:

Action:

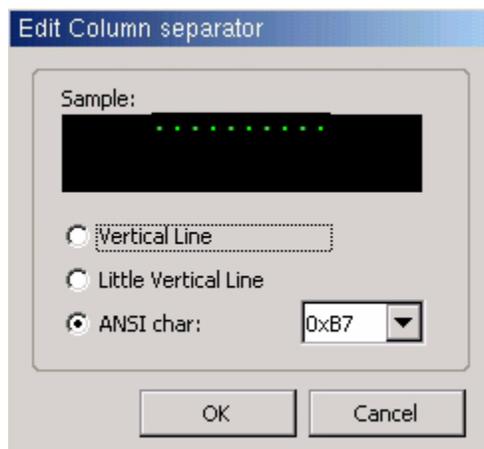


Type the ScanCode in the Edit Box or Click over the PC Keyboard keys to see the mapping.

Display Session Properties - Attributes Tab

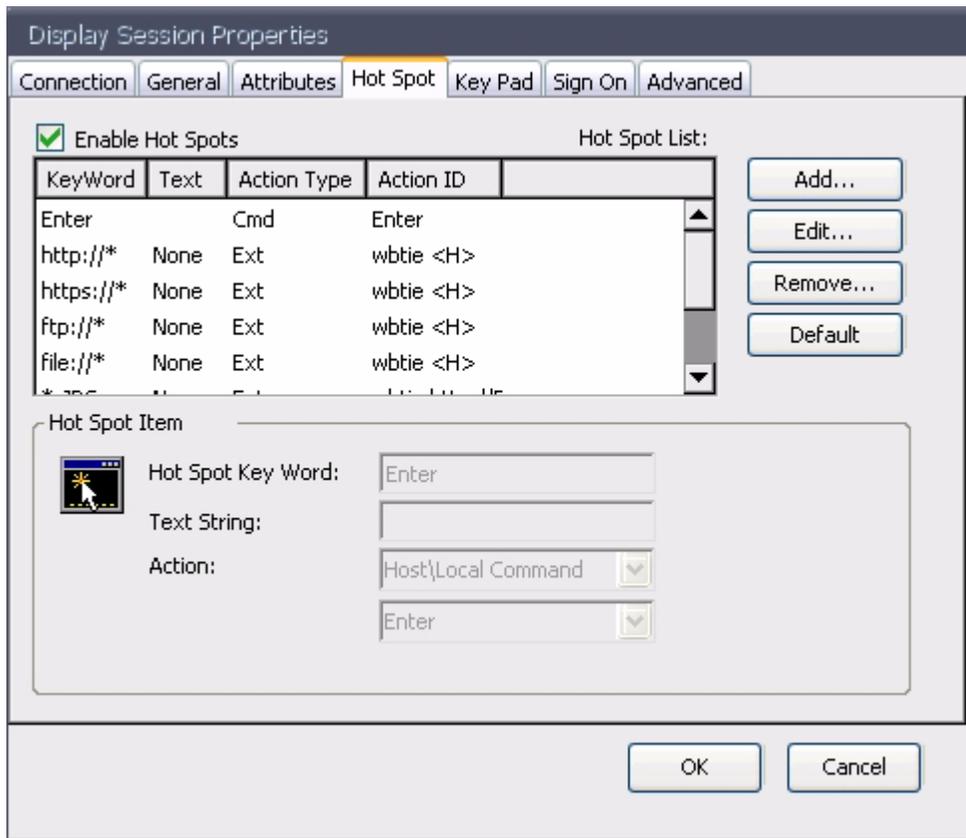


To change the column separator character select the Edit option to the right of the Column Separator.



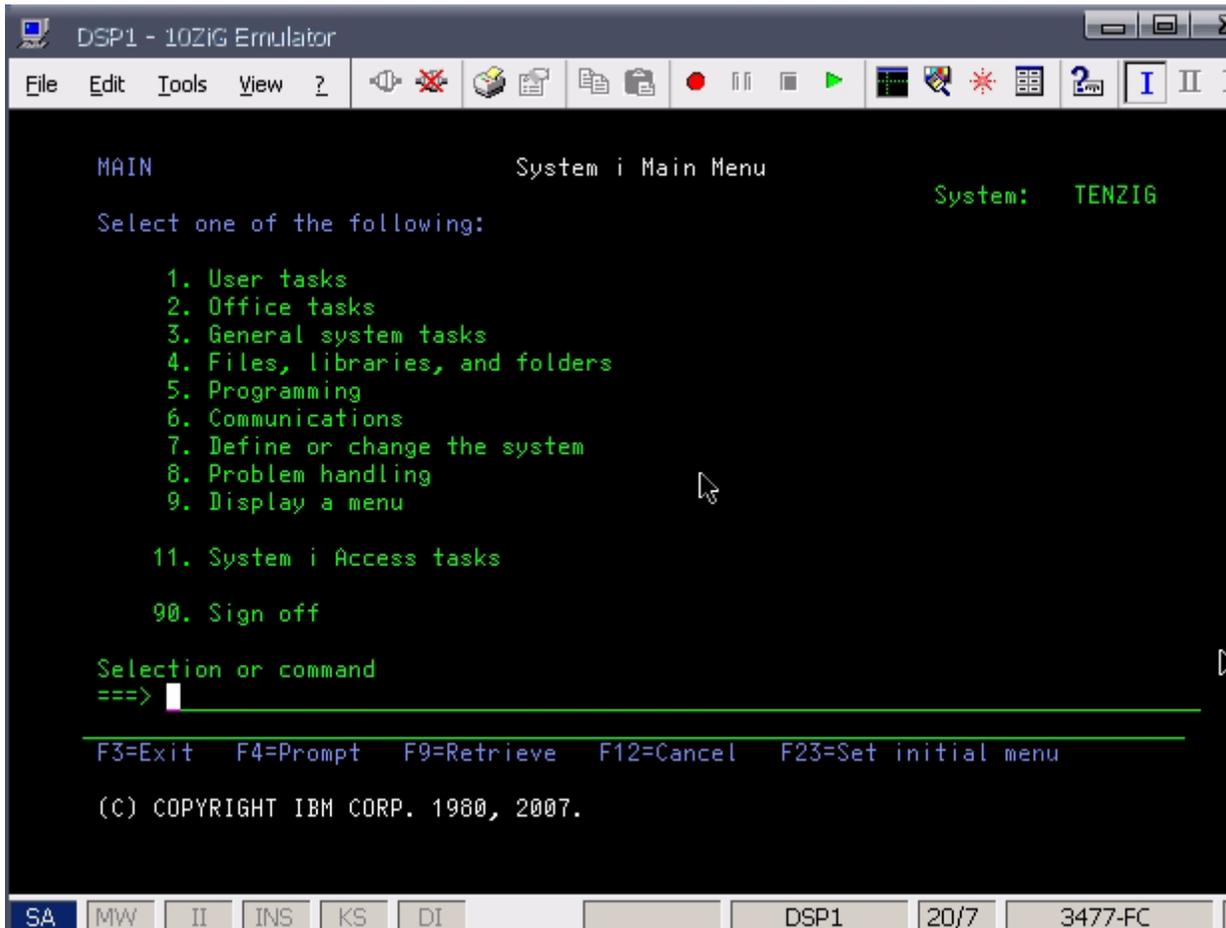
Display Session Properties - Hot Spot Tab

This option allows you to Add, Edit or Remove Hot spots.



Example of hot spot designed to run a macro that signs the user off of the host:

Record a macro by selecting the red circular ICON. Type the commands for the macro and save it. For this example a macro is recorded that types signoff and selects enter. Macro name is saved as signoff.

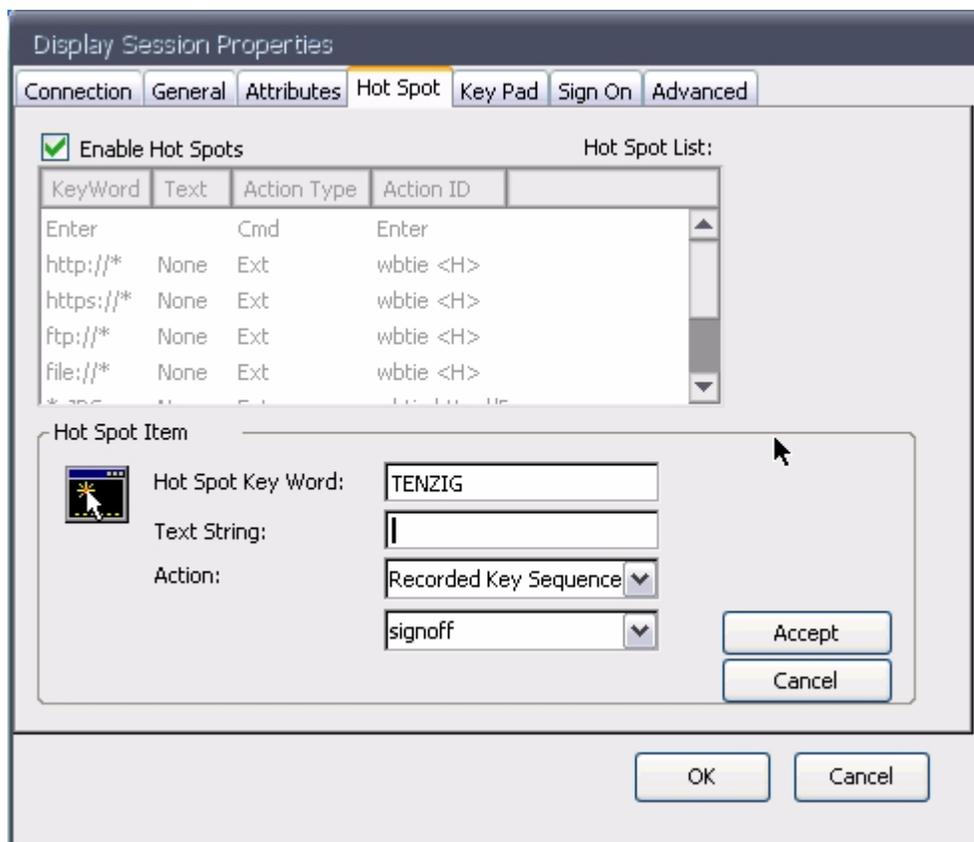


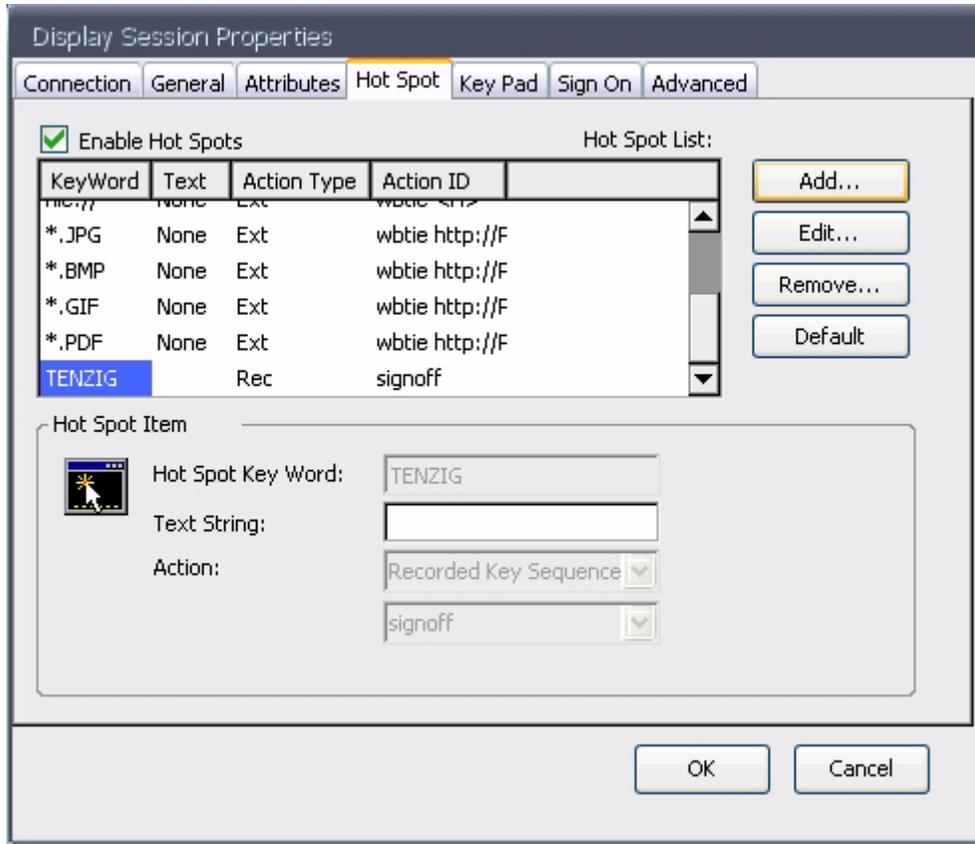
Hot Spot Key Word is BOSUSA5 - the system name that is displayed in the upper right corner of the display.

Text String is left blank.

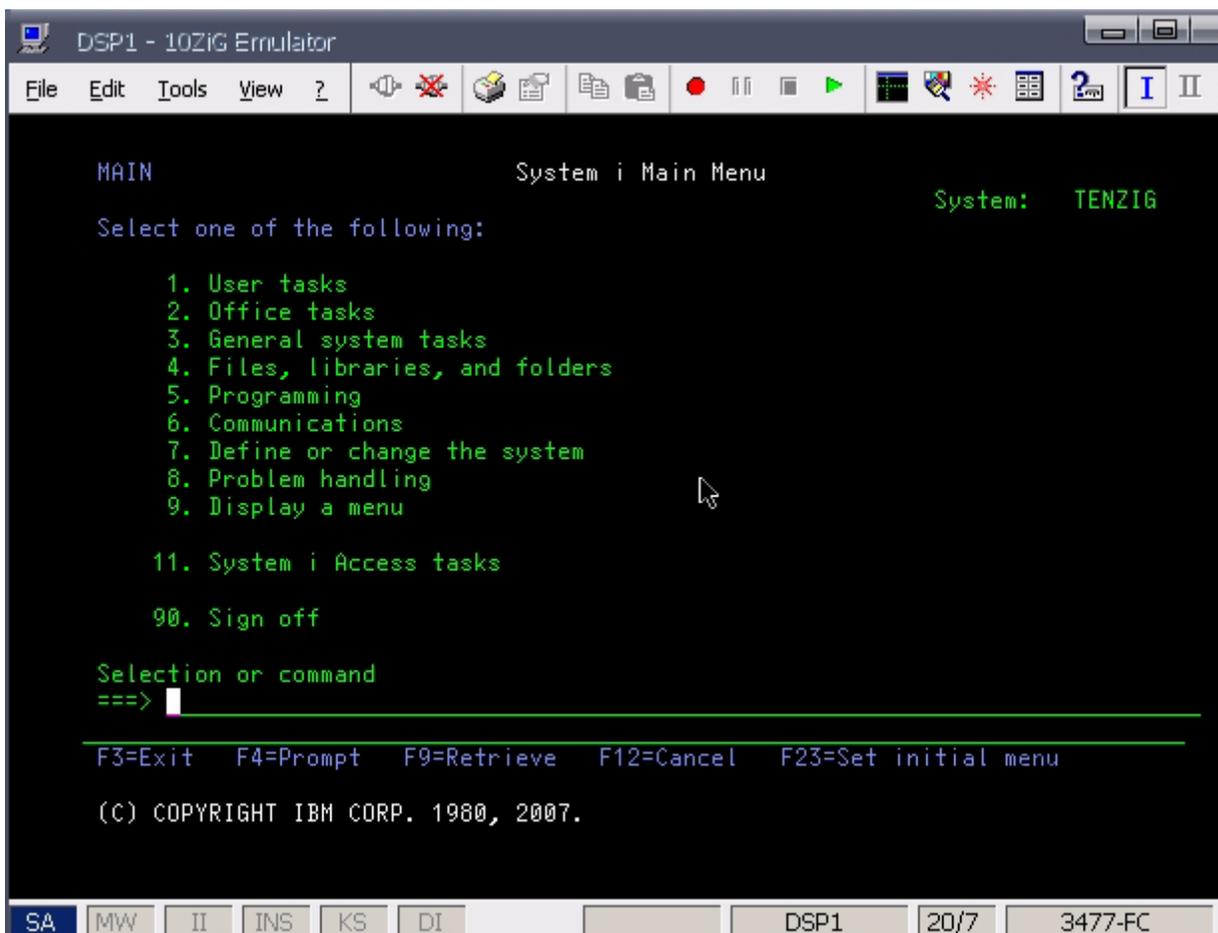
Selected Action is Recorded Key Sequence.

Action is the name of the created Macro



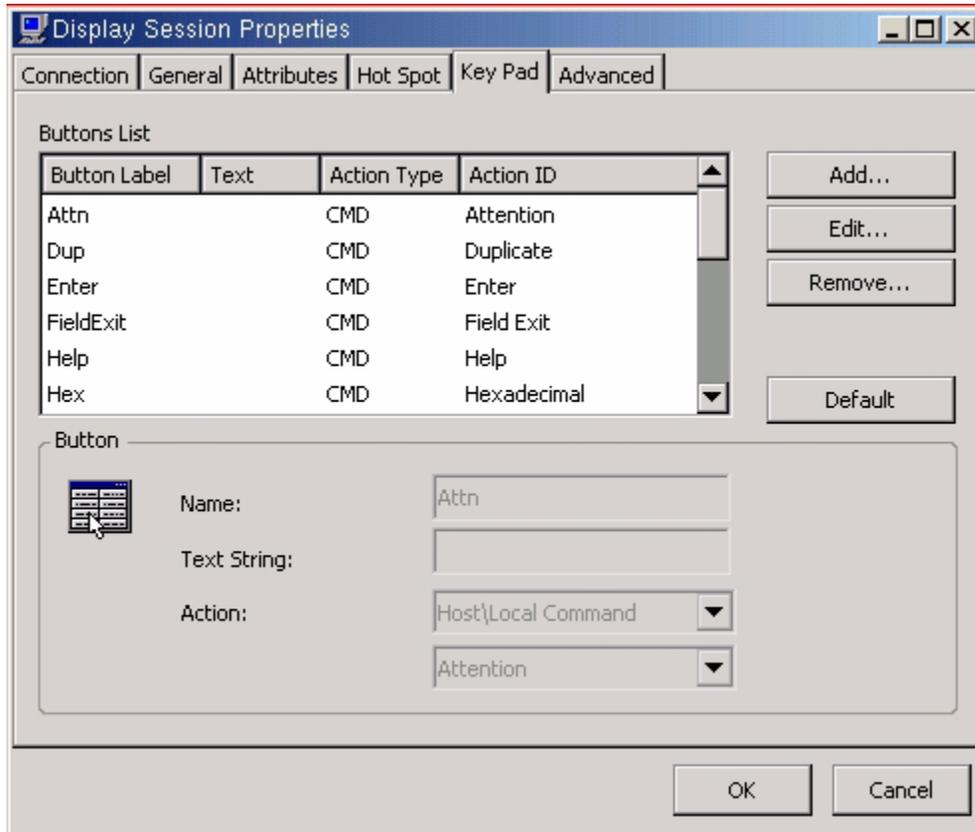


When signed on to the host, double click on BOSUSA5 in the upper right hand of the screen and the macro named signoff will run.

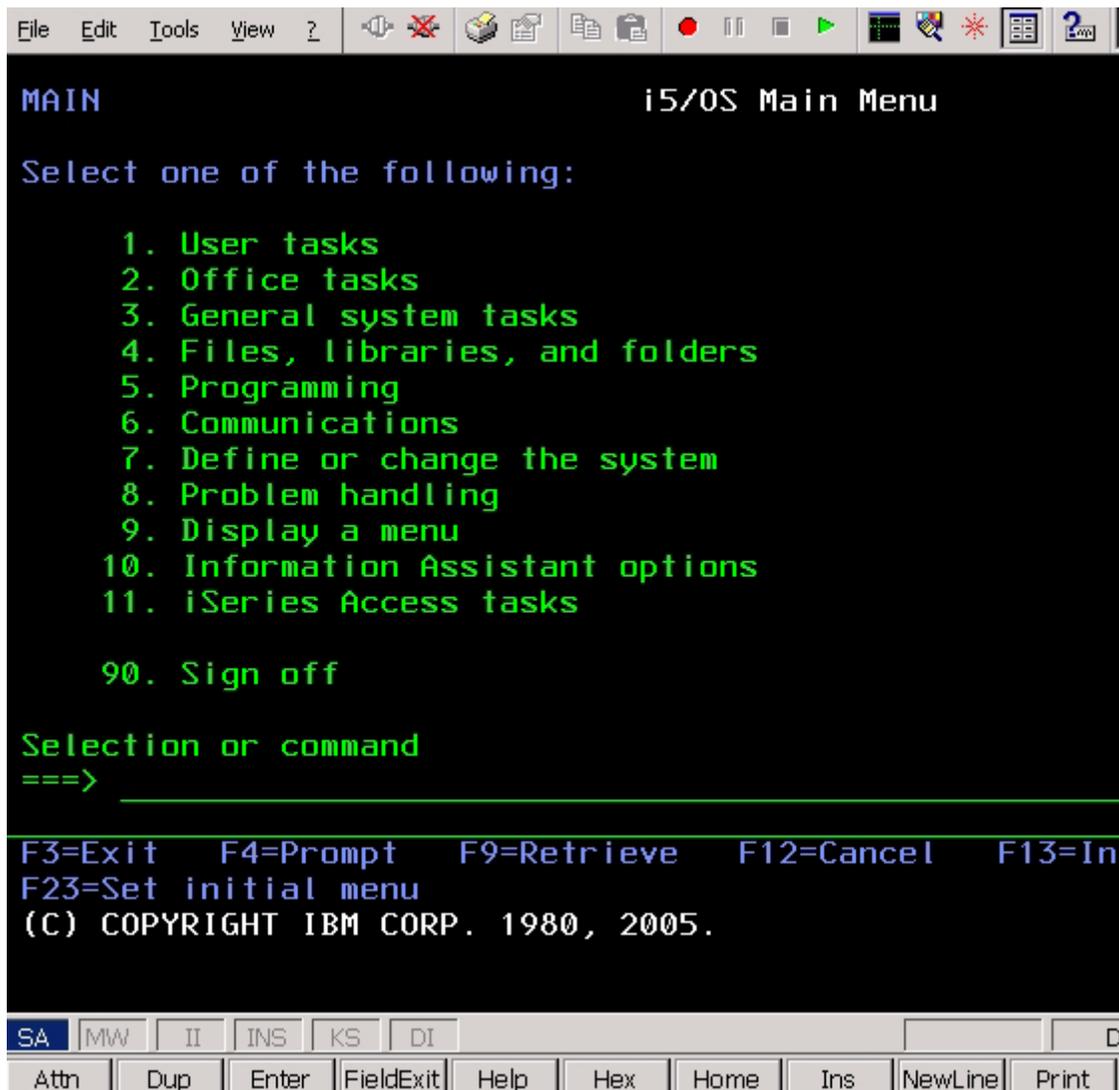


Display Session Properties - Keypad Tab

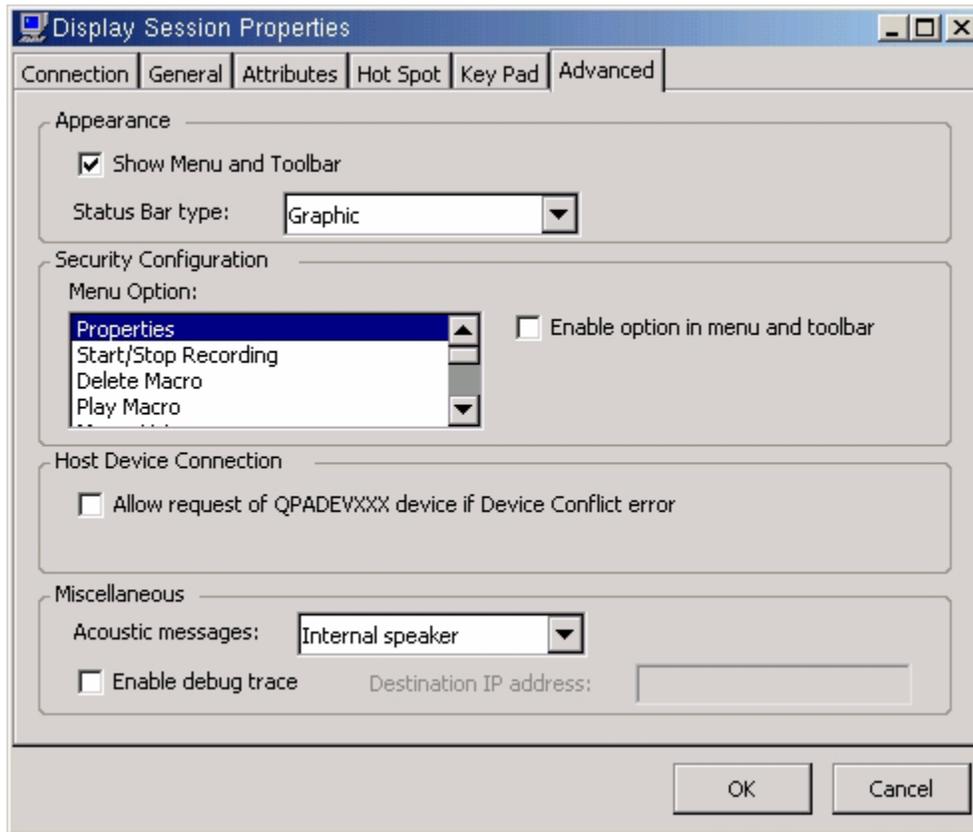
This option allows to change the options on the keypad that can be displayed in a 5250 session. You can Add, Edit or Remove commands on the keypad buttons.



Display Keyboard Pad displays at the bottom of the 5250 screen.:



Display Session Properties - Advanced Tab



Appearance - option allows to show menu and toolbar or hide it. Use the drop down Status Bar type: to change the status bar.

For a 5250 session that looks more like a terminal session, uncheck "Show Menu and Toolbar" and select "Classic" as the Status Bar type.

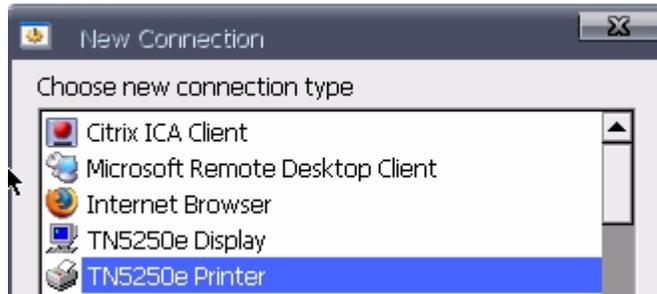
Security Configuration - option allows to enable or disable specific functions on the toolbar.

Host Device Connection - check to allow the use of a default host name if there is a device conflict error.

Miscellaneous - do not change any of these options unless instructed to do so by a 10ZiG technical support engineer.

TN5250e Printer

To create a TN5250e printer session select add TN5250e printer and run through the wizard.



Enter the Host Name or IP of the host and the default port should be left at 23.



\

Enter the connection name - the name to be associated with the printer session ICON and the name displayed in the connection manager. Enter the Device Name which will be the printer name on the host when created.

Wizard



Type the Session description name, type and name of the device. Then press Next.

Connection Name:

Device Type: ▼

Device Name:

Press Cancel to abort this Wizard

< Back Next > Cancel

Wizard



Select the correct Code Page and keyboard profile. Then press Finish to save the configuration.

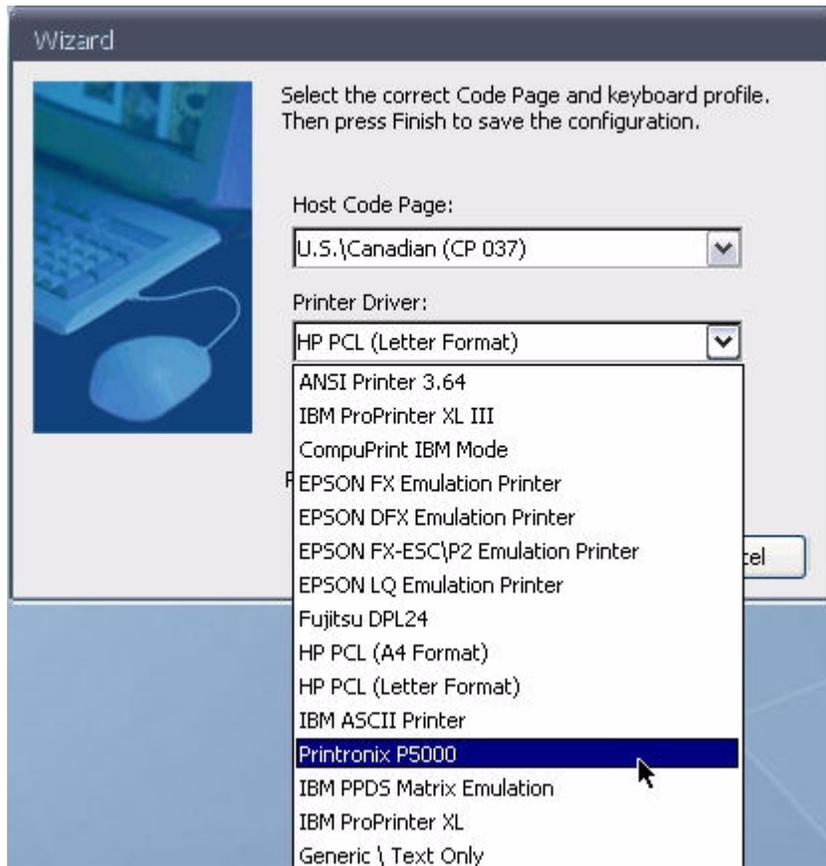
Host Code Page: ▼

Printer Driver: ▼

Press Cancel to abort this Wizard

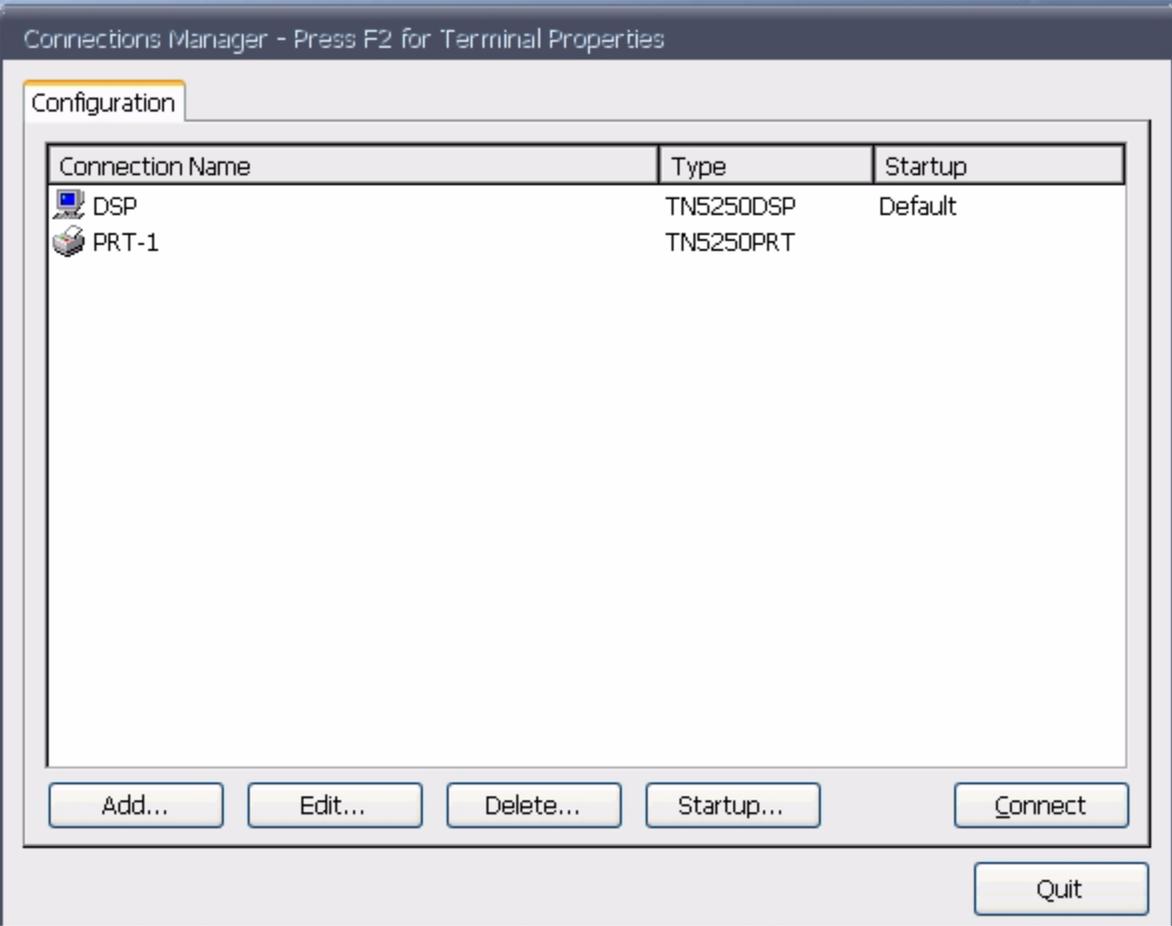
< Back Finish Cancel

Select the printer driver closest related to the attached printer.

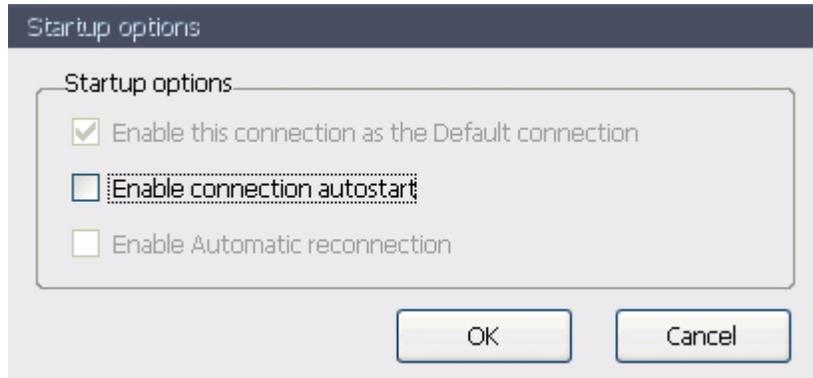


If unsure of the printer driver, try Generic\Text Only and/or use Host Print Transform in the Advanced tab.

Upon completion of the wizard an ICON will be placed on the desktop and the printer session can now be found in the Connections Manager window.



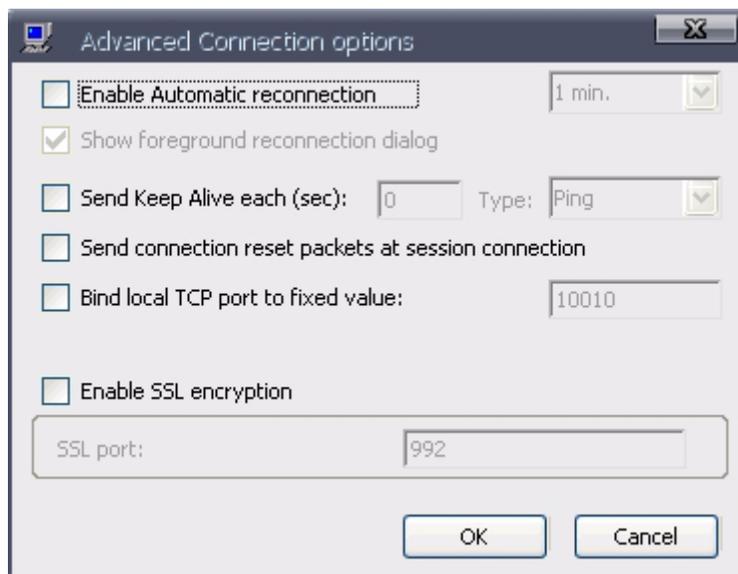
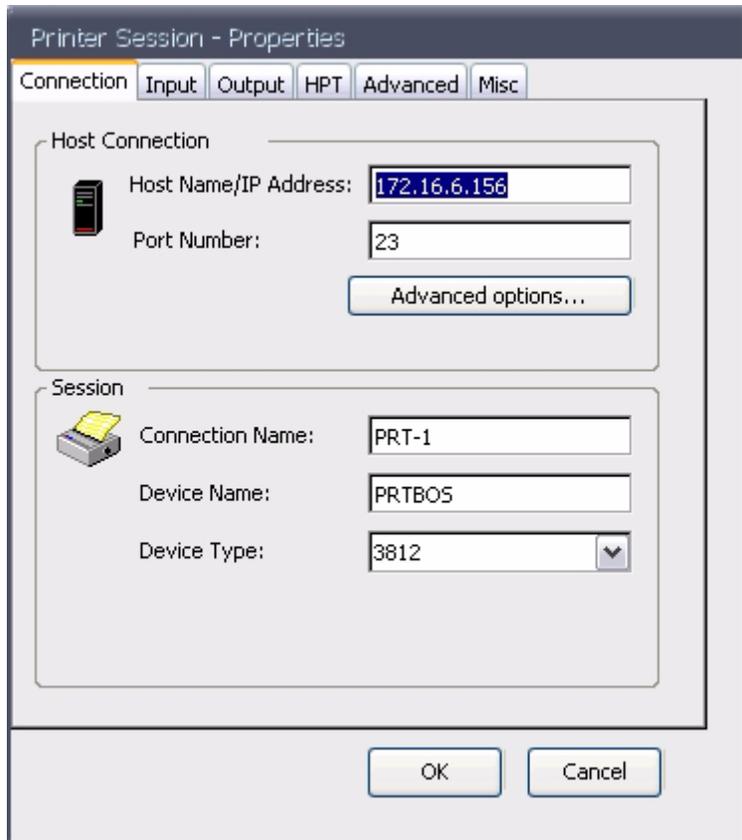
To start a session on startup, highlight the session in the connection manager and select the startup option at the bottom of the screen.



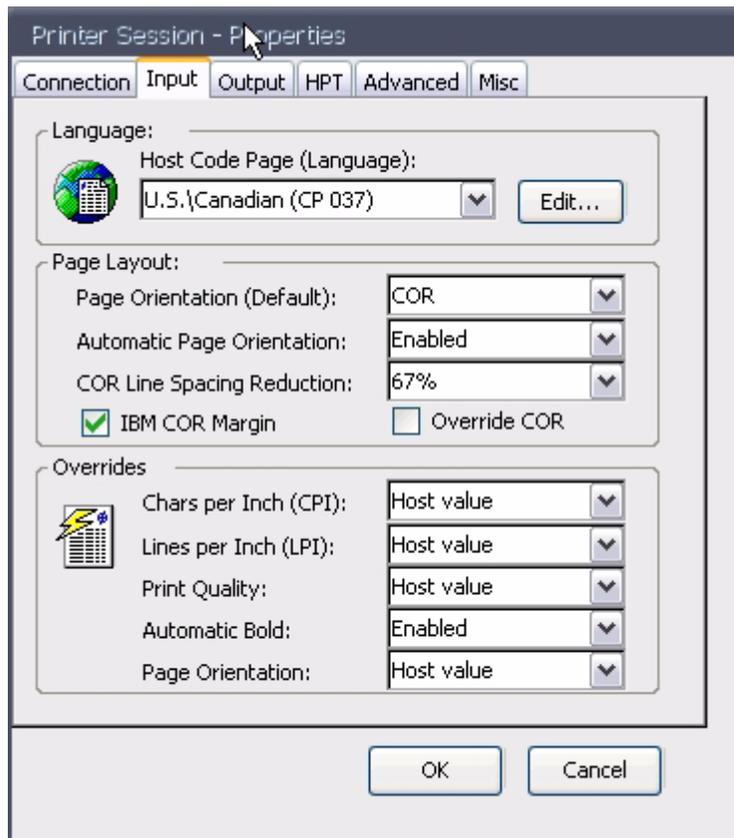
Enable this connection as the Default connection along with Enable connection autostart will enable primary session when autostarting sessions.

To make changes to the printer session, highlight the session and select Edit or right click on the desktop ICON and select Properties. To delete a session highlight the session and select Delete.

Printer Session - Properties - Connection Tab



Printer Session - Properties - Input Tab



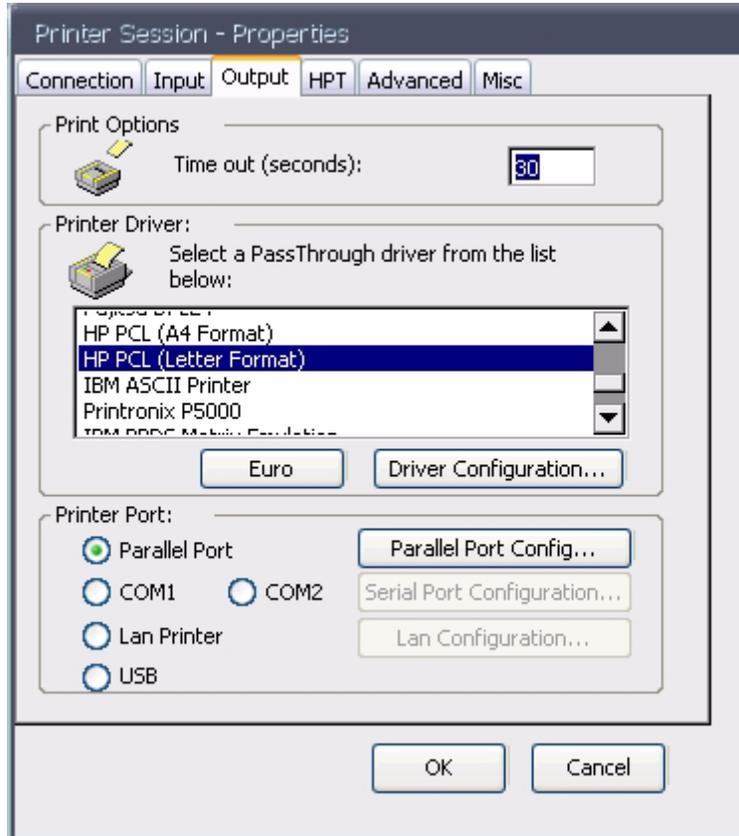
Computer output reduction (COR) automatically takes standard reports on computer paper and reduces them to fit on 8-1/2 by 11 inch paper. COR is designed to handle reports created at 66 lines per page and 132 print positions per line.

Changes the default page orientation to specify how to print a document on the workstation printer. If the orientation is explicitly set by the eServer i5 or iSeries page setup code, the explicit orientation is used.

Specify the compression percentage of the vertical line spacing to fit all the lines into the page. The default value is 67%.

Printer Session - Properties - Output Tab

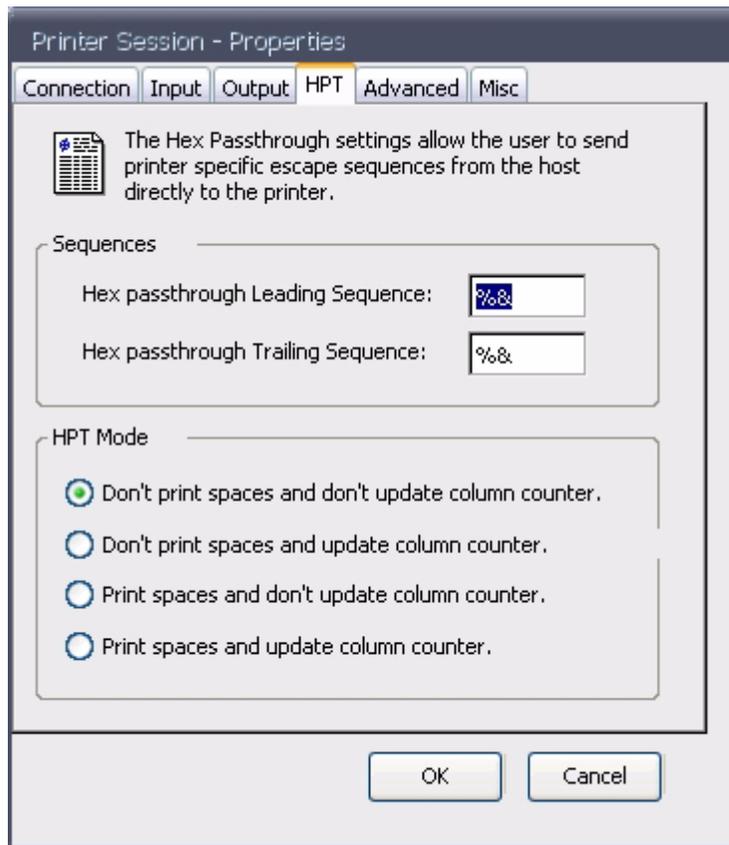
The printer driver seen here will be the printer driver selected when the printer session wizard was run.



The timeout is the time that is elapsed before we notify the host that the printer is offline and/or unreachable.

For a locally attached printer, normally you want a smaller timeout. For a network printer, you want something that allows for network delays, etc.

Printer Session - Properties - HPT Tab



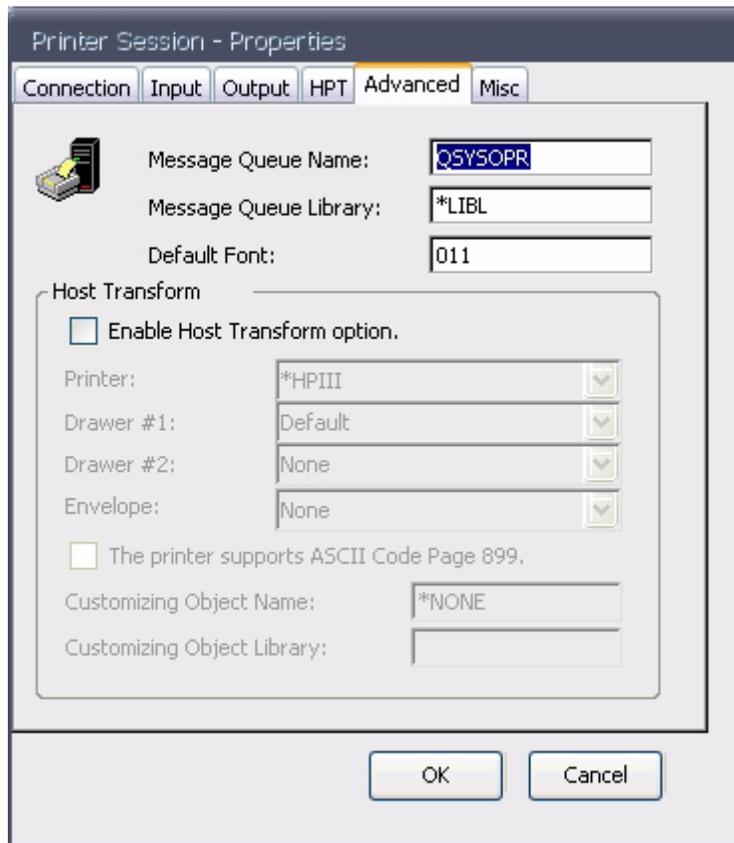
Some AS400 applications send "raw" sequences of commands to the printer - for instance to create custom overlays when using PCL. These commands should not be interpreted by the printer engine and are called hex passthru sequences. They are usually delimited by special characters so the printer engine can pass the data directly to the printer.

The "special" delimiting sequences depend on the application and may / are different.

The other options are used to allow correct alignment when using passthru - again this varies from application to application.

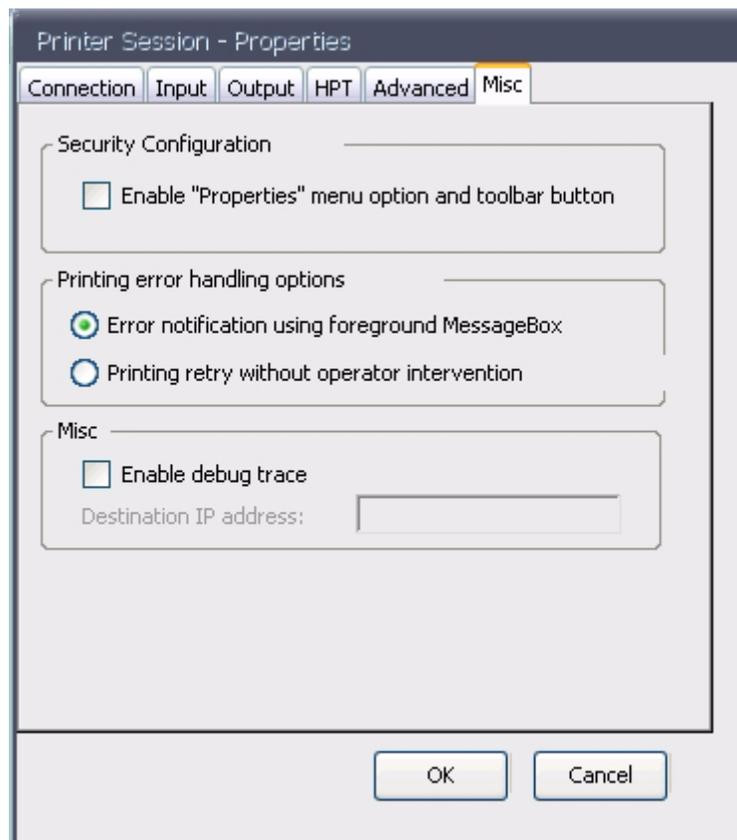
Printer Session - Properties - Advanced Tab

To use **Host Print Transform**, set the printer driver in the **Output Tab** to Generic/Text Only. Check the **Enable Host Transform Option** and set the printer type or to use a customized object, set the printer to ***WSCST** and enter the **Customizing Object Name** and **Customizing Object Library** in the area below.



NOTE: For best results try to use one of the included printer drivers and avoid using HPT.

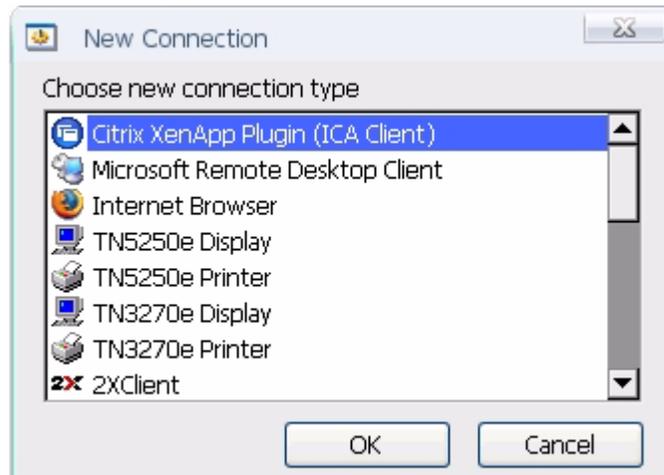
Printer Session - Properties - Misc Tab



CITRIX ICA CLIENT

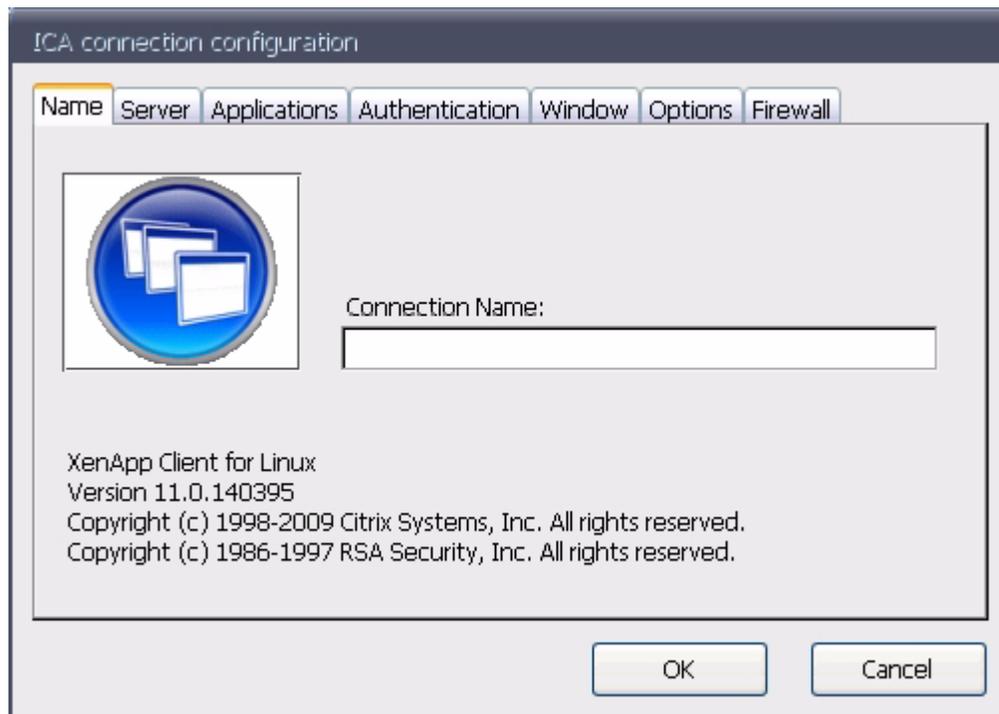
From the connections manager select add and choose Citrix ICA Client from the drop down list.

NOTE: Global ICA configuration and resources can be set prior to creating the ICA connection. Global settings can be found in the Terminal Properties Misc Tab.



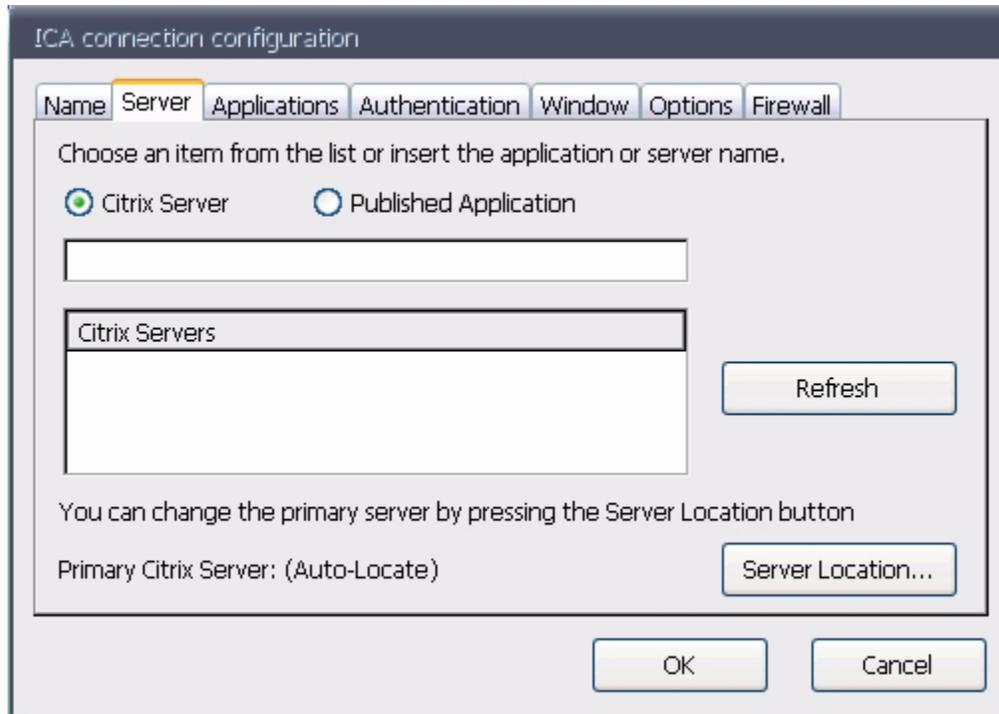
ICA Connection Configuration Name Tab

Enter the connection name - name that will be displayed with the desktop ICON and in the connections manager.



ICA Connection Configuration Server Tab

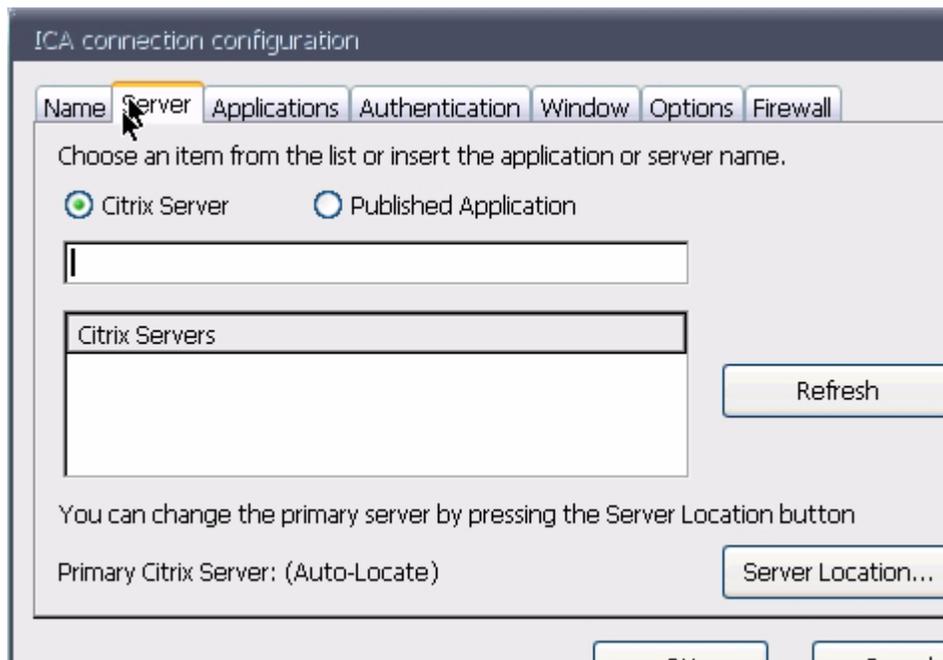
Enter the Citrix Server Name or enter the Published Application.



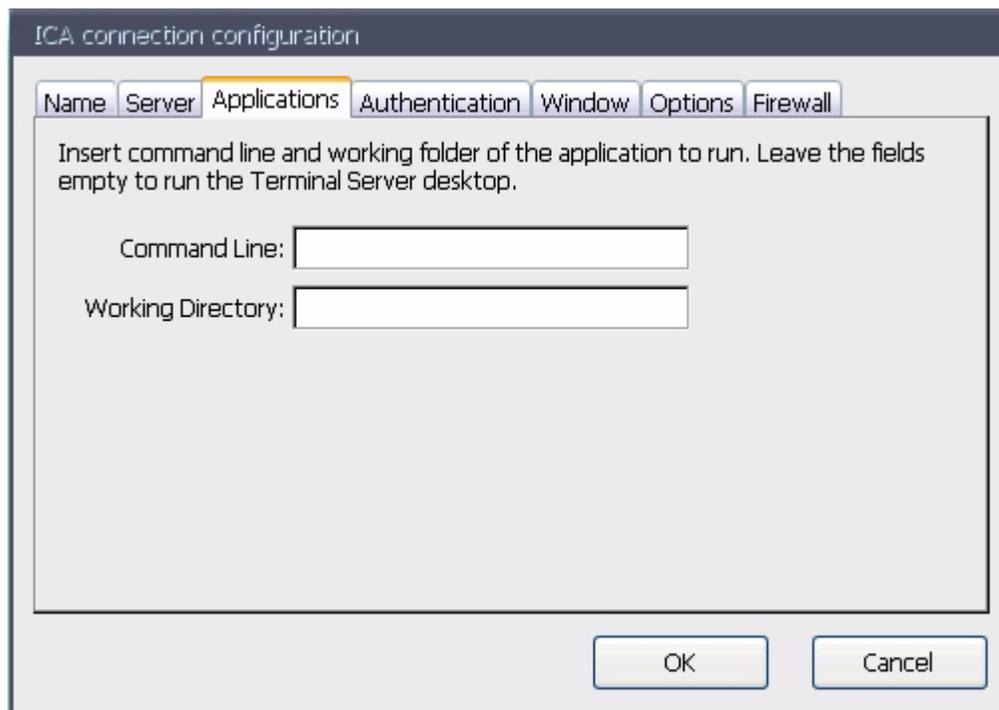
The screenshot shows the 'ICA connection configuration' dialog box with the 'Server' tab selected. The dialog has several tabs: 'Name', 'Server', 'Applications', 'Authentication', 'Window', 'Options', and 'Firewall'. The 'Server' tab is active, and the instruction 'Choose an item from the list or insert the application or server name.' is displayed. There are two radio buttons: 'Citrix Server' (selected) and 'Published Application'. Below the radio buttons is a text input field. Underneath is a list box containing 'Citrix Servers'. To the right of the list box is a 'Refresh' button. Below the list box, there is a note: 'You can change the primary server by pressing the Server Location button'. Below this note, it says 'Primary Citrix Server: (Auto-Locate)' and there is a 'Server Location...' button. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

Select Server Location to set multiple locations of Citrix servers.

Add or Delete server information.



ICA Connection Configuration Applications Tab



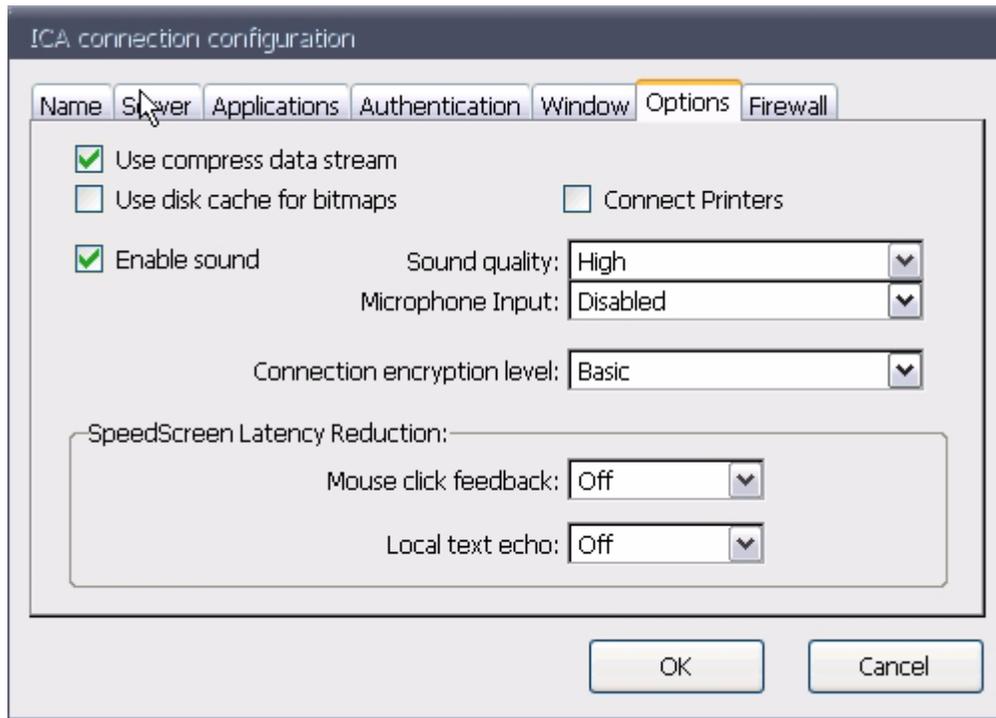
ICA Connection Configuration Authentication Tab

The screenshot shows the 'ICA connection configuration' dialog box with the 'Authentication' tab selected. The dialog has a title bar and a tabbed interface with tabs for 'Name', 'Server', 'Applications', 'Authentication', 'Window', 'Options', and 'Firewall'. The 'Authentication' tab is active and contains the following text: 'If desired is possible insert here the login informations to use to connect to the remote applications'. Below this text are three input fields: 'User Name:', 'Password:', and 'Domain:'. A note at the bottom of the tab reads: 'Note: If the application is an anonymous published application, any login information will be ignored'. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

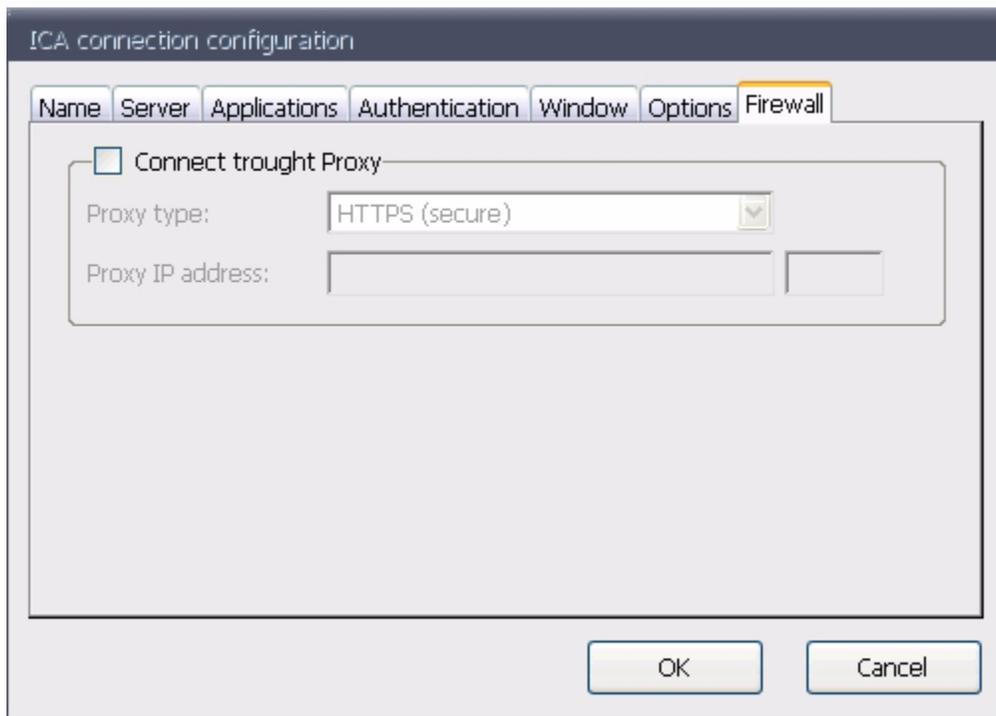
ICA Connection Configuration Window Tab

The screenshot shows the 'ICA connection configuration' dialog box with the 'Window' tab selected. The dialog has a title bar and a tabbed interface with tabs for 'Name', 'Server', 'Applications', 'Authentication', 'Window', 'Options', and 'Firewall'. The 'Window' tab is active and contains two sections: 'Colors' and 'Window Size'. The 'Colors' section includes a 'Window colors:' dropdown menu set to '32K colors', and 'Color Mapping:' with two radio buttons: 'Shared - Approximate Colors' (unselected) and 'Private - Exact Colors' (selected). The 'Window Size' section includes a 'Window size:' dropdown menu set to 'Maximized', and two rows of controls: 'Select fixed size:' with two spinners set to '800' and '600', and 'Select percentage of screen:' with a spinner set to '75'. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

ICA Connection Configuration Options Tab



ICA Connection Configuration Firewall Tab



An ICON will be created on the desktop.



Double click ICON to start CITRIX session or from the connection manager highlight the session and select connect.

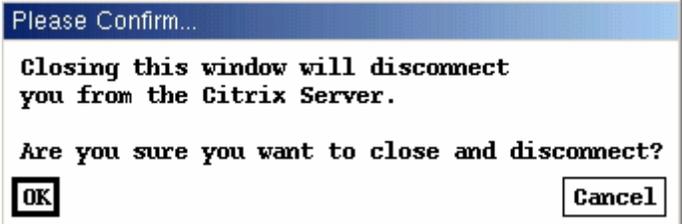
The citrix server will present a log on screen unless valid information was supplied prior in the authentication tab.



Credentials will be verified and if passed successfully, the Citrix Session will be presented.



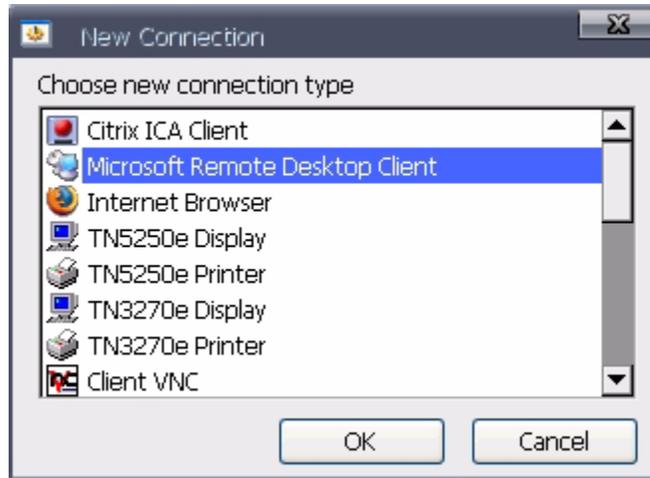
To close the session when minimized, right click on session in taskbar and select close. A message confirming the close will be presented.



To close the session from the start button on the Citrix Desktop, take the option to Disconnect/ Logoff.

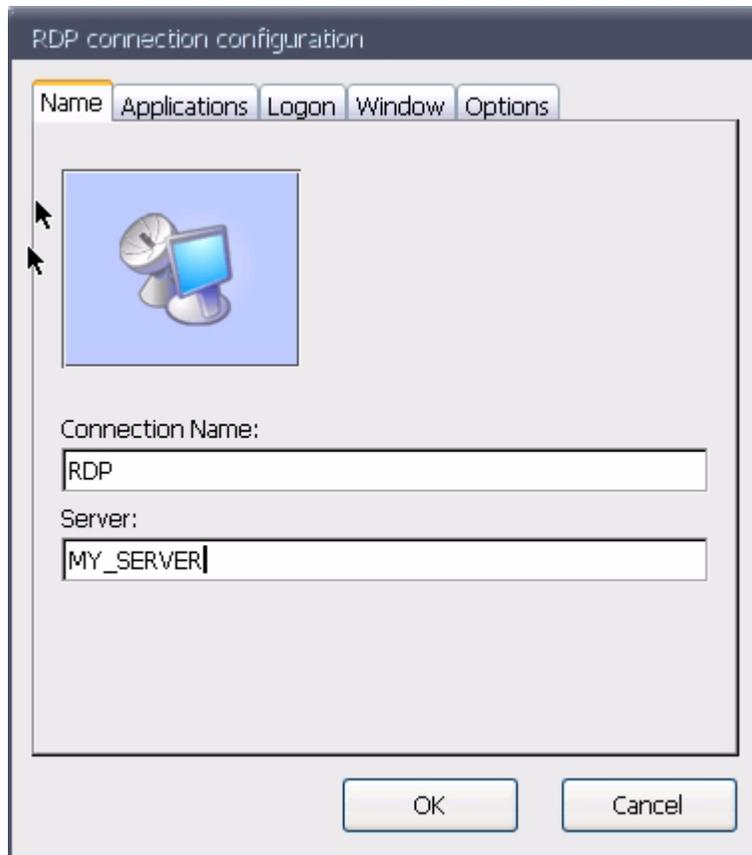
Microsoft Remote Desktop Client

Select to add a new connection type.



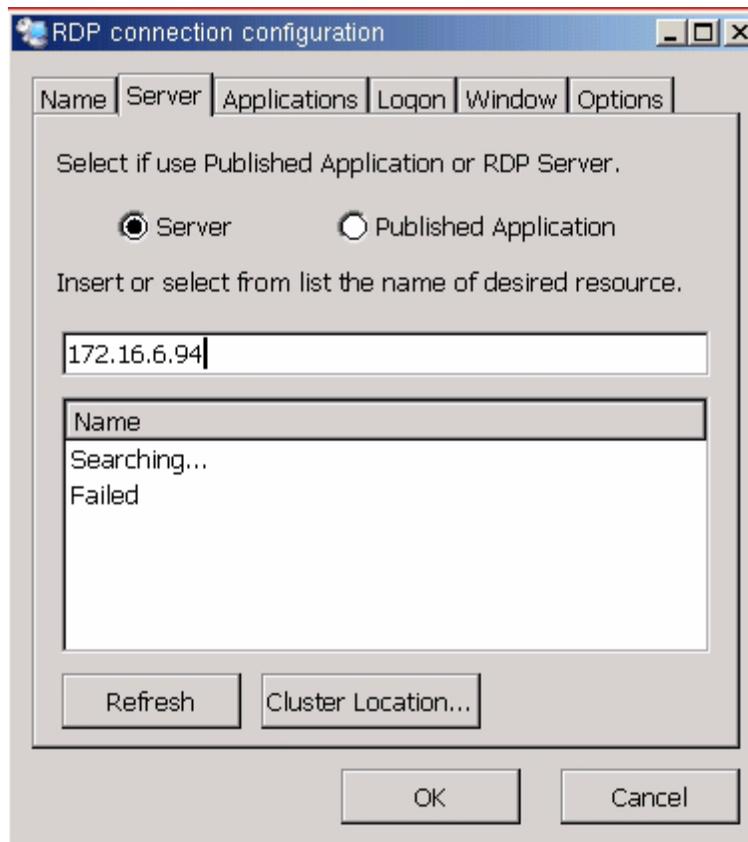
RDP Connection Configuration - Name Tab

Enter the connection Name - name associated with ICON and displayed in connection manager and the server name or IP.



RDP Connection Configuration - Server Tab

Enter the server or published application name or IP.



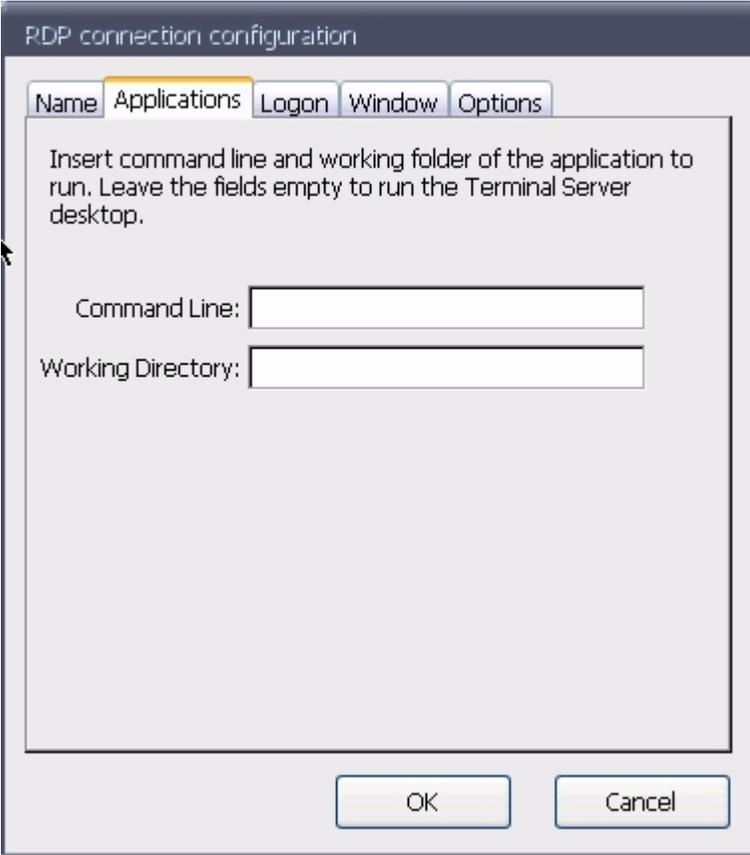
The screenshot shows the "RDP connection configuration" dialog box with the "Server" tab selected. The dialog has a title bar with standard window controls. Below the title bar are tabs for "Name", "Server", "Applications", "Logon", "Window", and "Options". The "Server" tab is active. The main area contains the following elements:

- Text: "Select if use Published Application or RDP Server."
- Radio buttons: "Server" (selected) and "Published Application".
- Text: "Insert or select from list the name of desired resource."
- Text input field: Contains "172.16.6.94".
- List box: Contains "Name", "Searching...", and "Failed".
- Buttons: "Refresh" and "Cluster Location...".

At the bottom of the dialog are "OK" and "Cancel" buttons.

RDP Connection Configuration - Application Tab

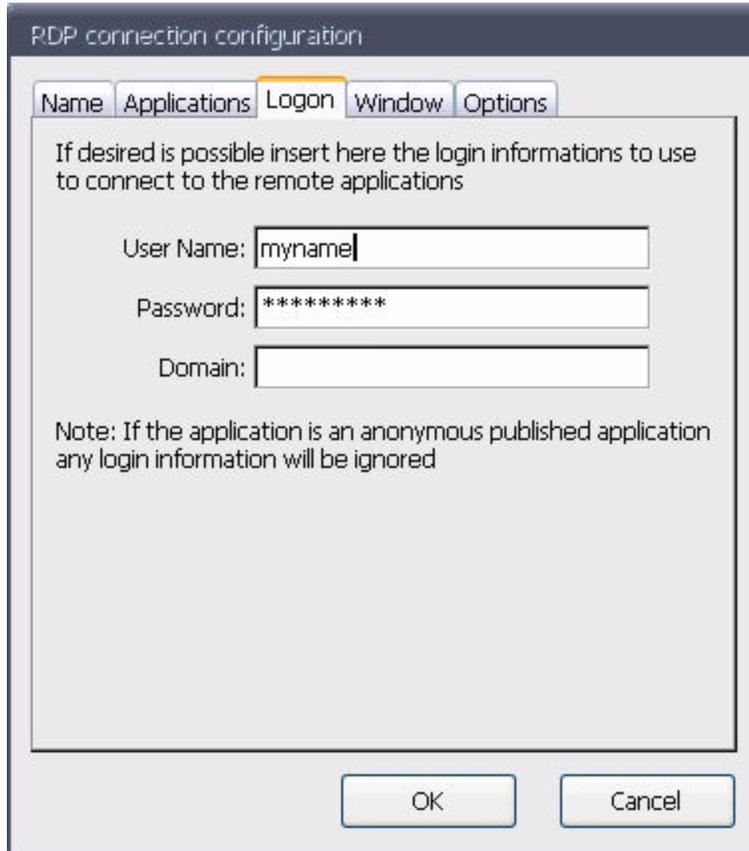
Insert the command line and working directory of the application to run. Leave the fields empty to run the Terminal Server desktop.



RDP Connection Configuration - Logon Tab

Enter Logon information for user

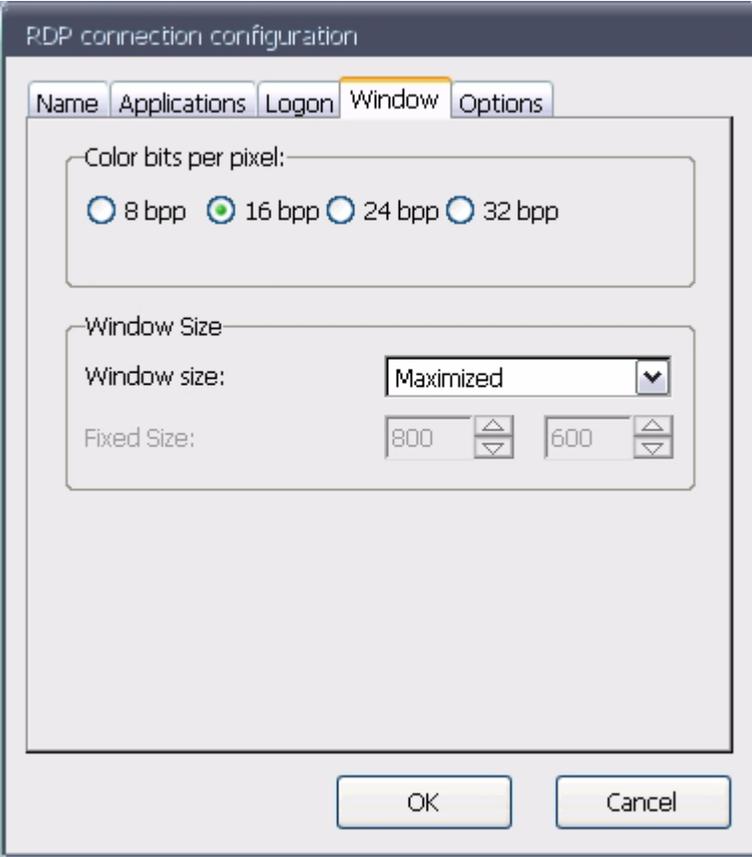
To be prompted for Logon information when the connection is started leave this area blank.



The image shows a screenshot of the 'RDP connection configuration' dialog box, specifically the 'Logon' tab. The dialog has a title bar and five tabs: 'Name', 'Applications', 'Logon', 'Window', and 'Options'. The 'Logon' tab is selected. Inside the dialog, there is a text area with the instruction: 'If desired is possible insert here the login informations to use to connect to the remote applications'. Below this, there are three input fields: 'User Name:' containing 'myname', 'Password:' containing '*****', and 'Domain:' which is empty. A note at the bottom of the text area states: 'Note: If the application is an anonymous published application any login information will be ignored'. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

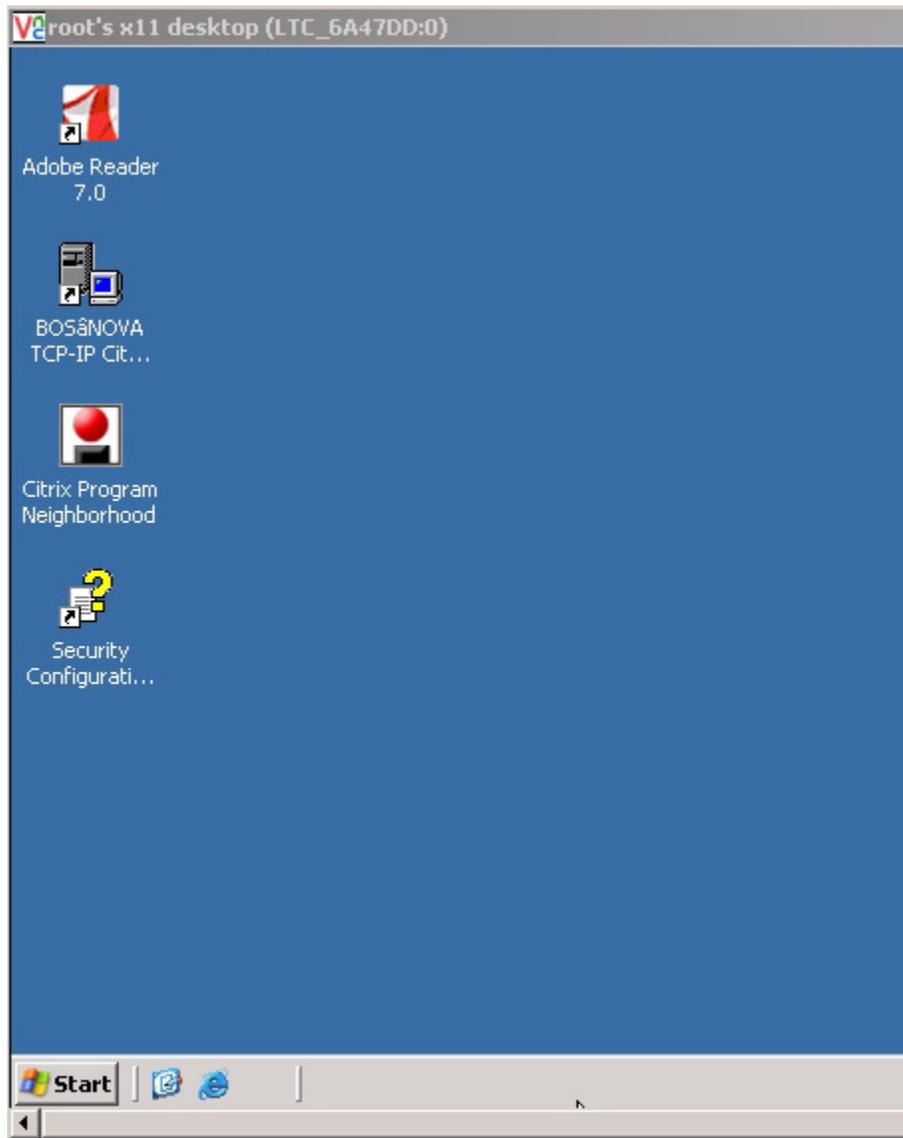
RDP Connection Configuration - Window Tab

Enter the RDP session desktop settings.

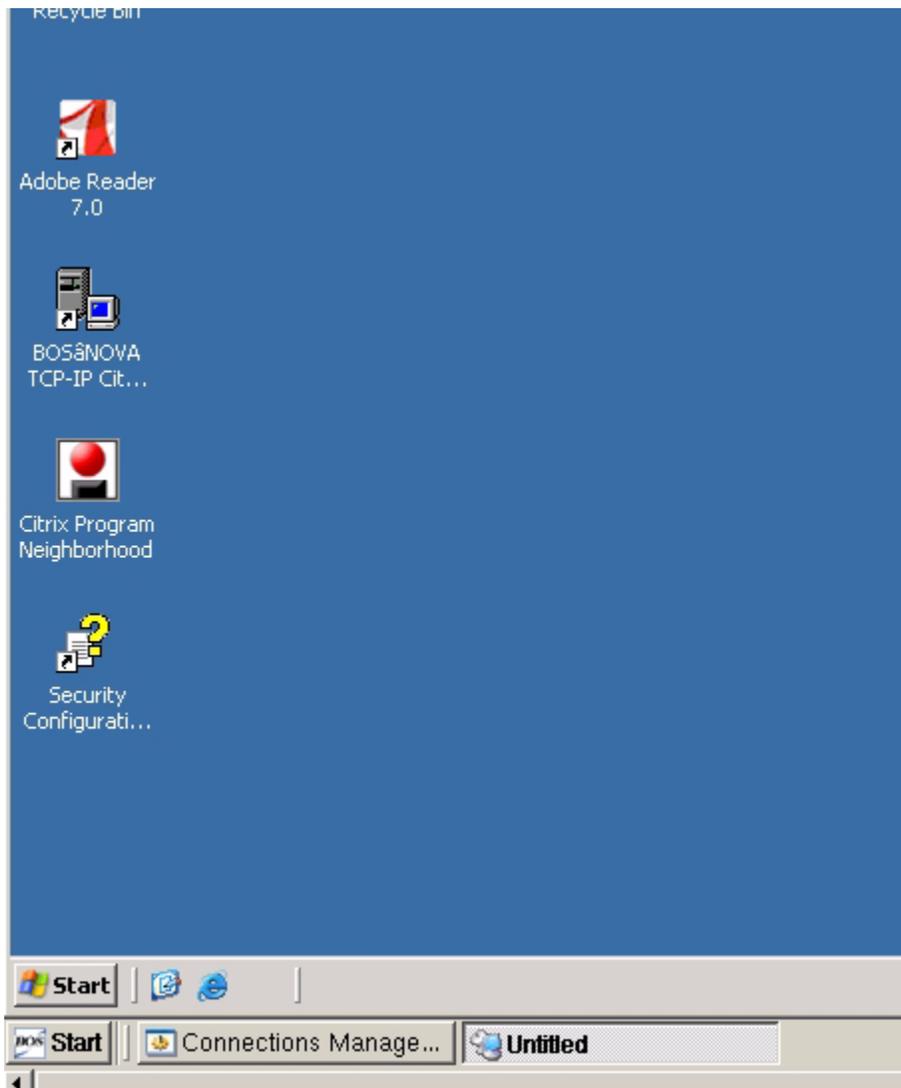


Window Size:

Full Screen mode takes up the entire screen. The look and feel is that the RDP session is your desktop with no task bar from the thin client itself.



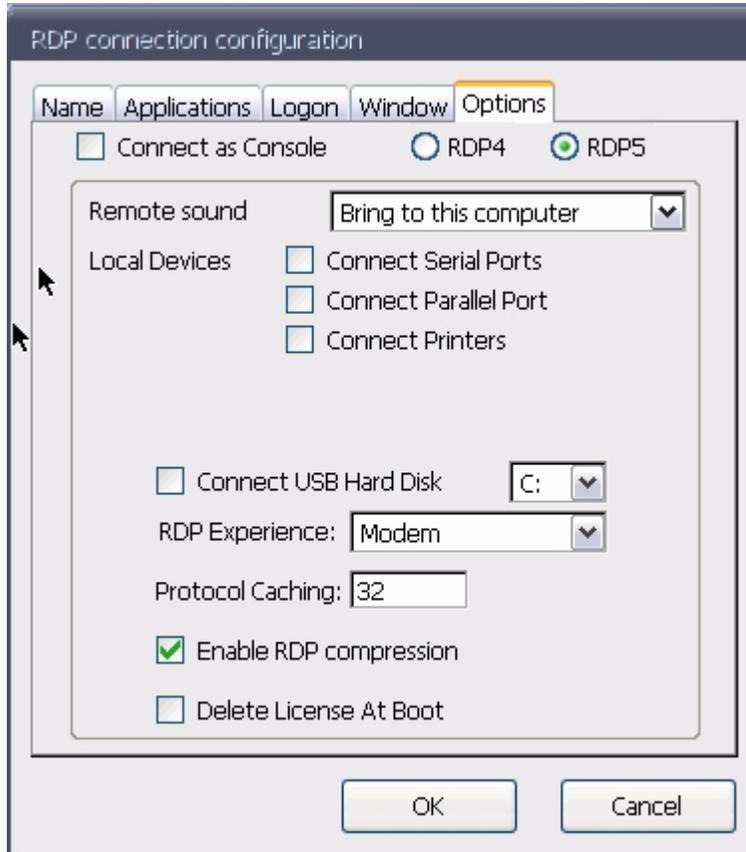
Maximized mode maximizes the RDP desktop but leaves the thin client toolbar visible underneath it.



NOTE: The greater the color depth, the more bandwidth the connection will use.

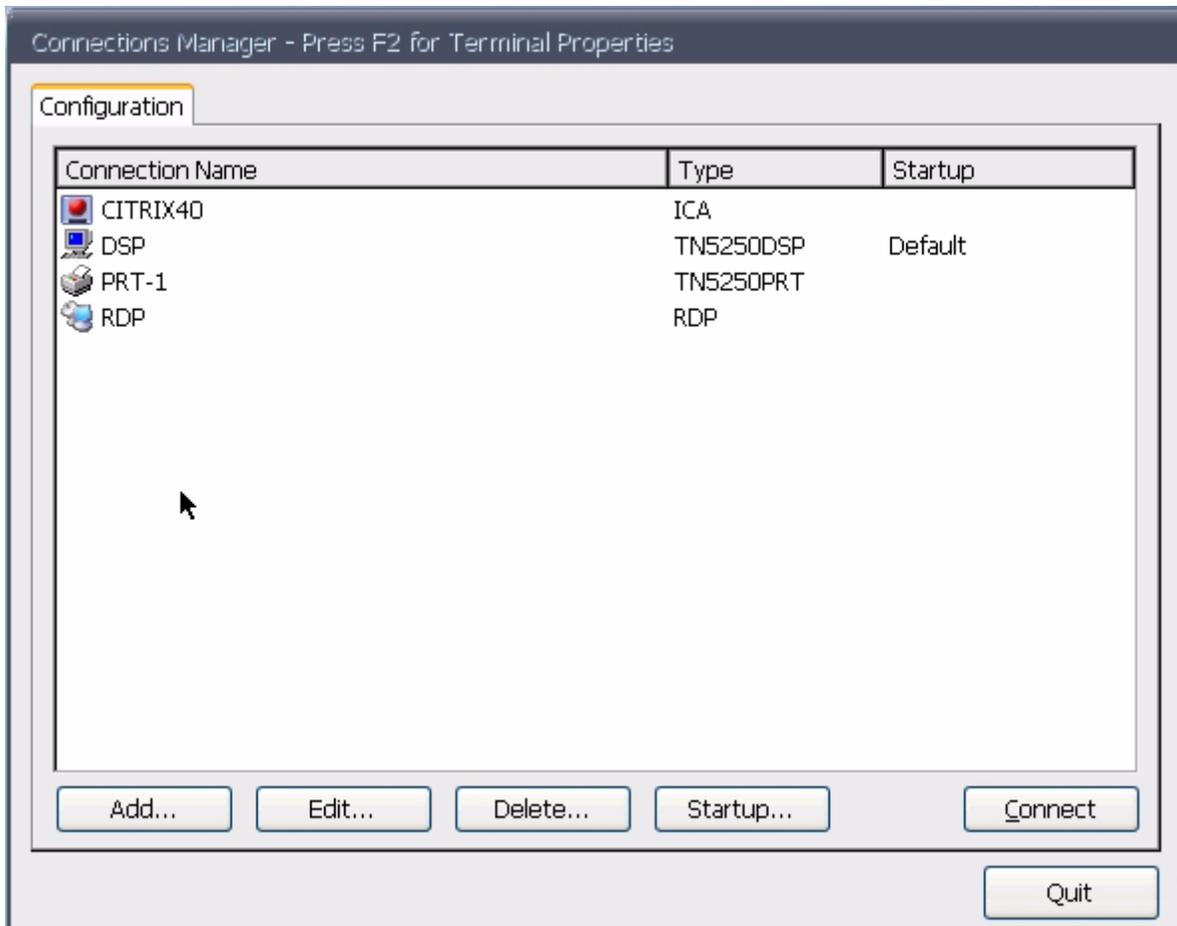
RDP Connection Configuration - Options Tab

Use this area to connect local devices to the RDP session.



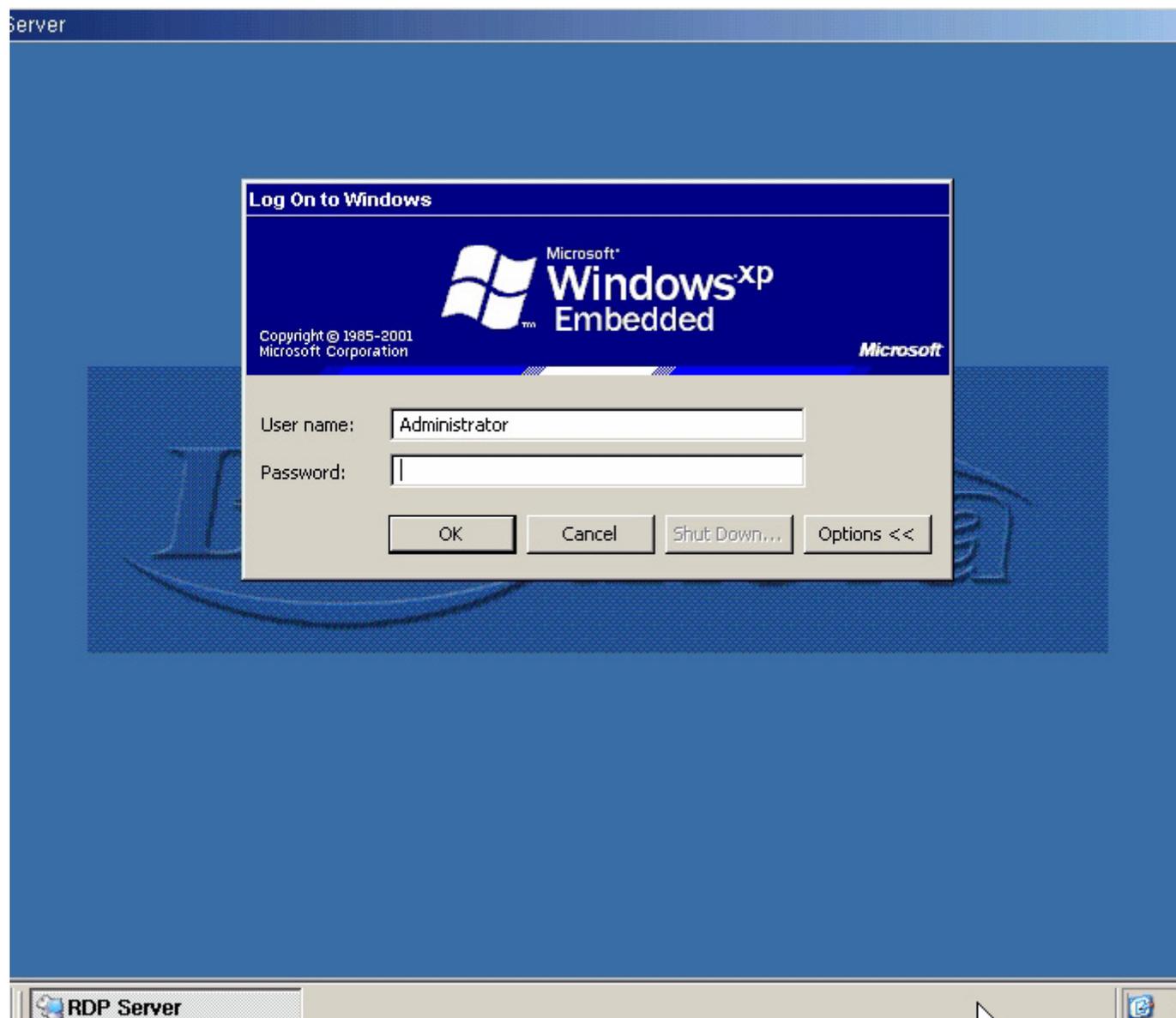
An ICON will be created on the desktop and a connection will be added to the connection manager.





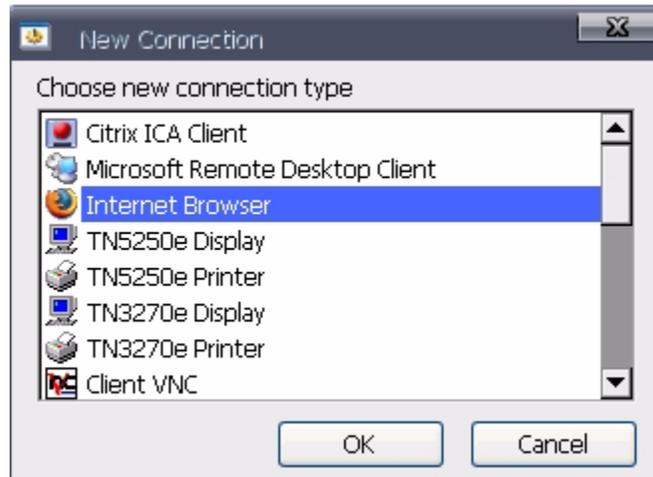
Double click the ICON to start the RDP session or select the session in the connection manager and select connect.

Log On to Windows with proper credentials to get the RDP desktop.

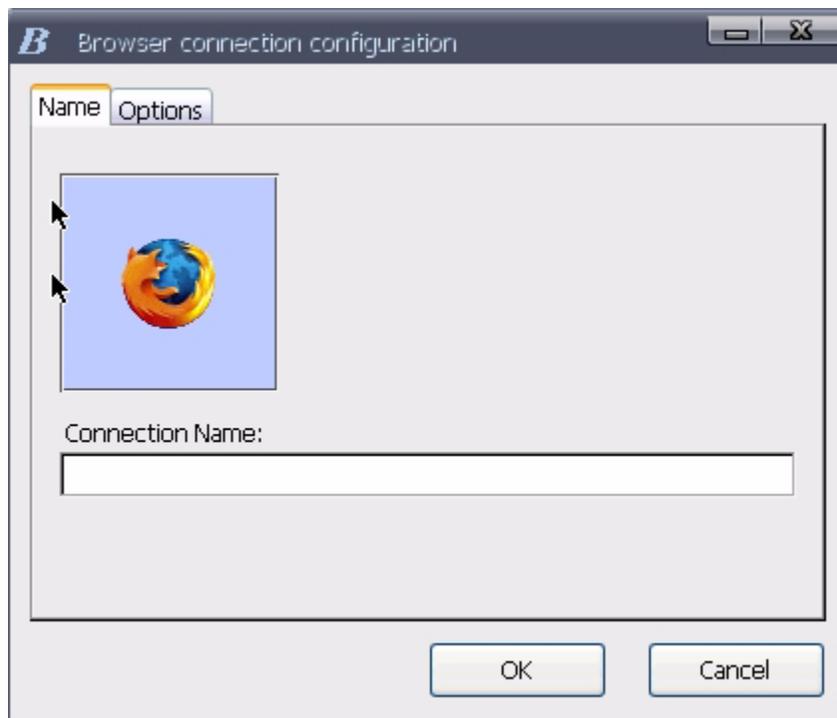


Internet Browser Connection

Choose add connection and select Internet Browser



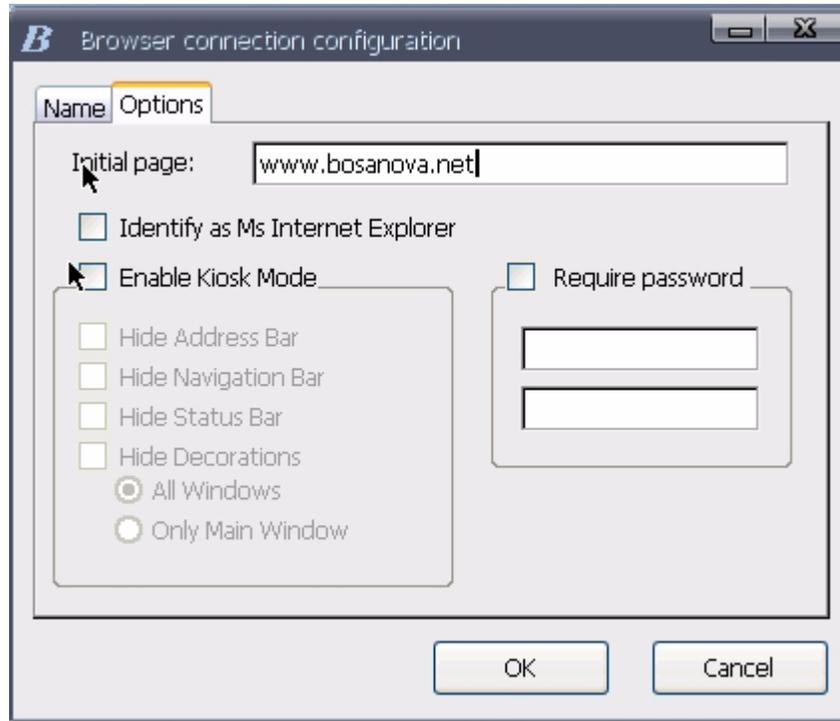
Enter connection name - this is the name associated with the desktop ICON and will be displayed in the connection manager.



Enter the Initial page to load when starting the browser session. This is not the default home page and will only be called as the initial page.

To limit users from access the browser connection you can require a password by checking the password box and entering a password.

Enable Kiosk Mode will limit the use of the browser - by checking associated boxes the address bar, navigation bar, and status bar can be hidden.



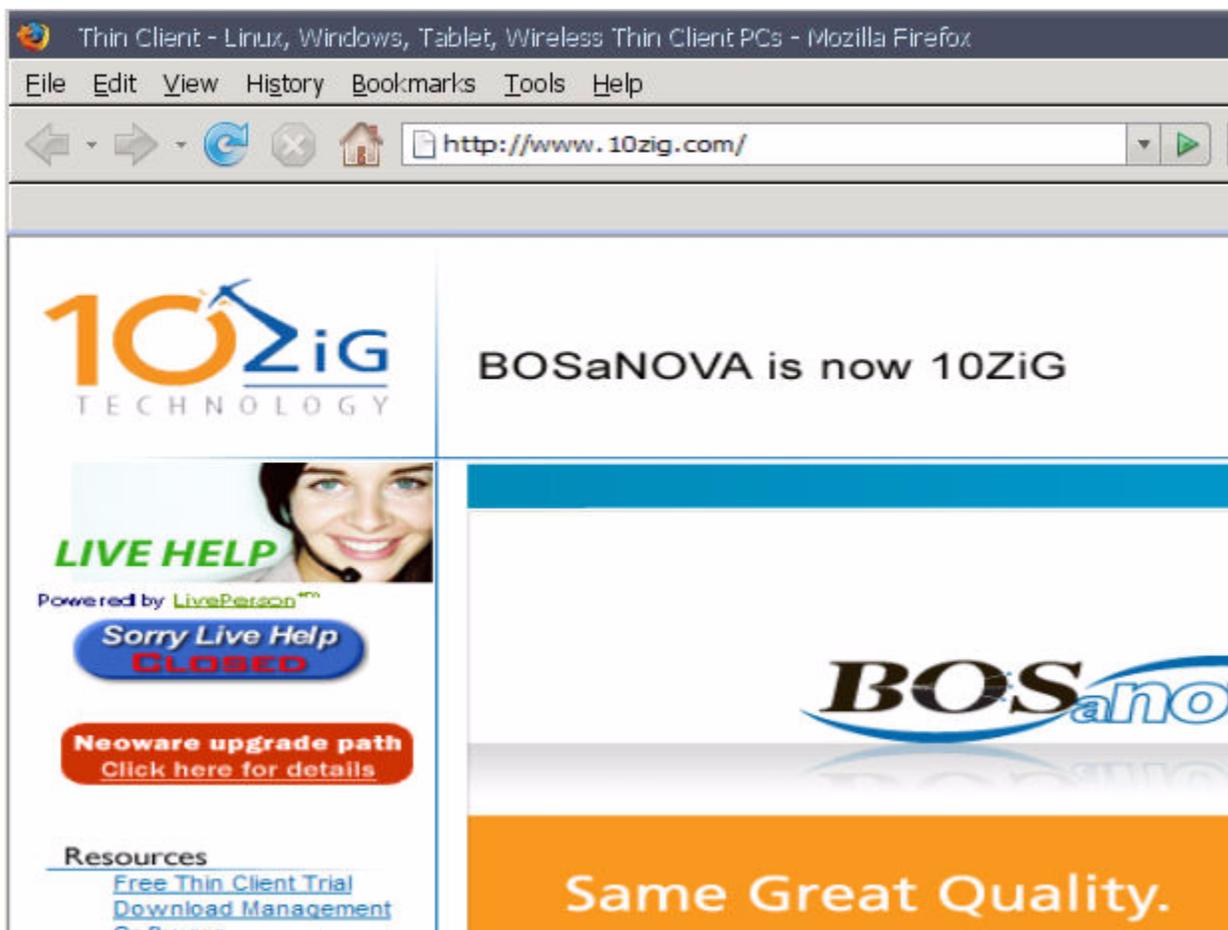
An ICON will placed on the desktop and the connection will be available in the connection manager.



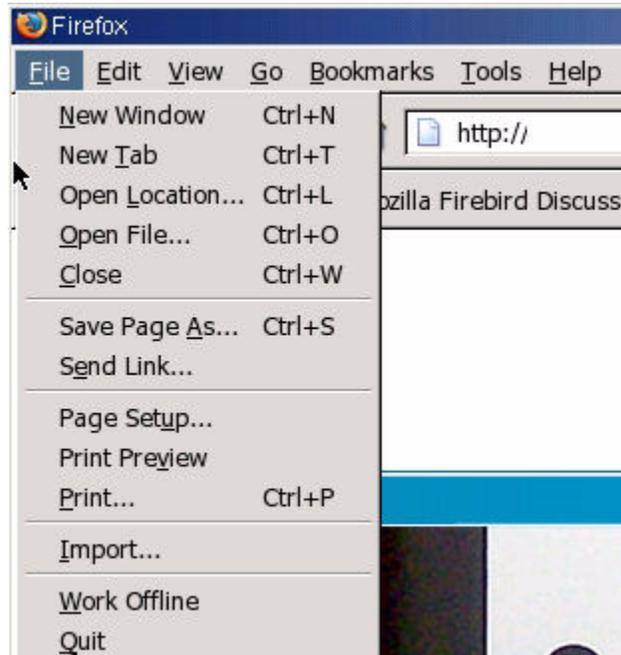
To start the session double click on the ICON or select the session and choose connect in the connection manager. The Firefox splash screen is displayed.



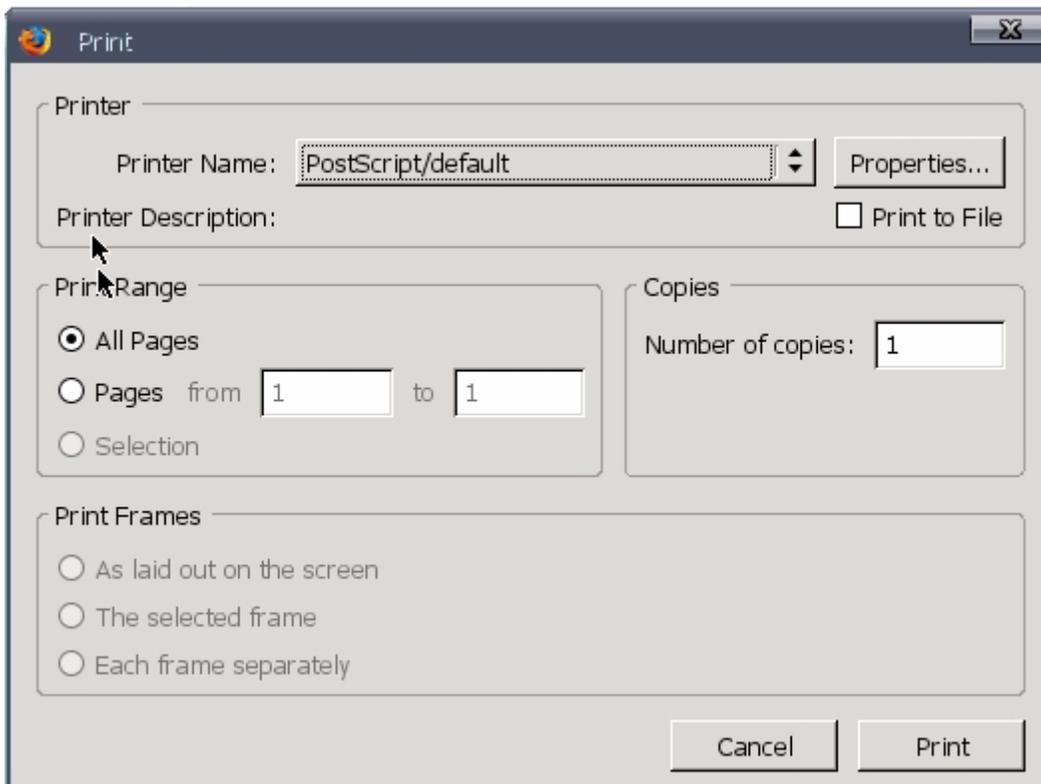
The initial page is loaded.



File Menu

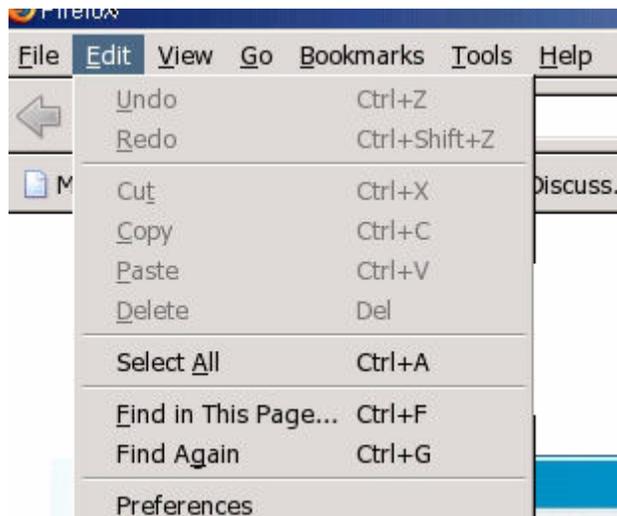


Print Options

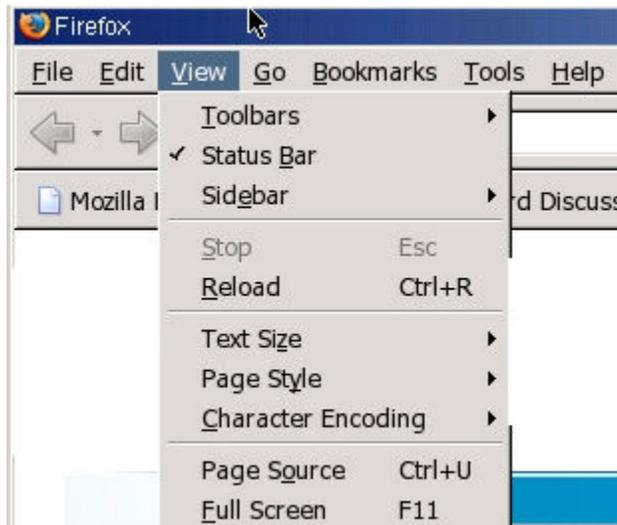


NOTE: Printers from the browser will be either Postscript or PCL using ghostscript. Ghostscript translates the Postscript to PCL which can degrade the print output quality.

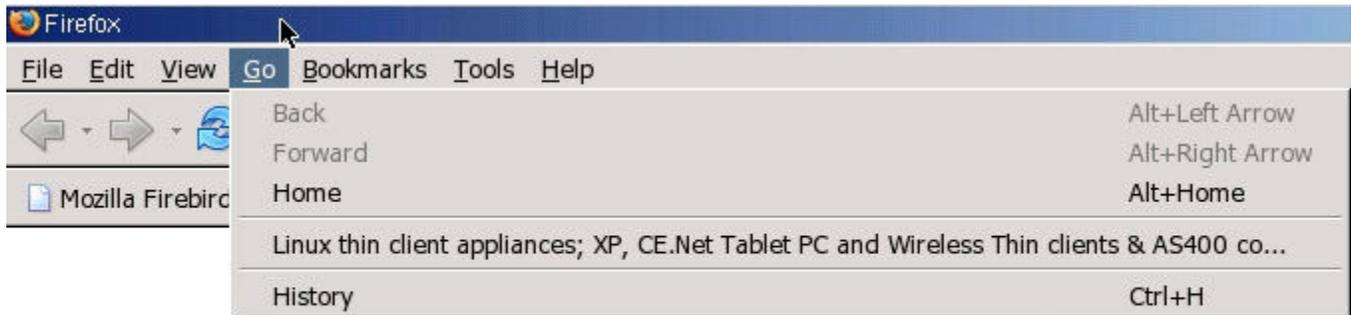
Edit Menu



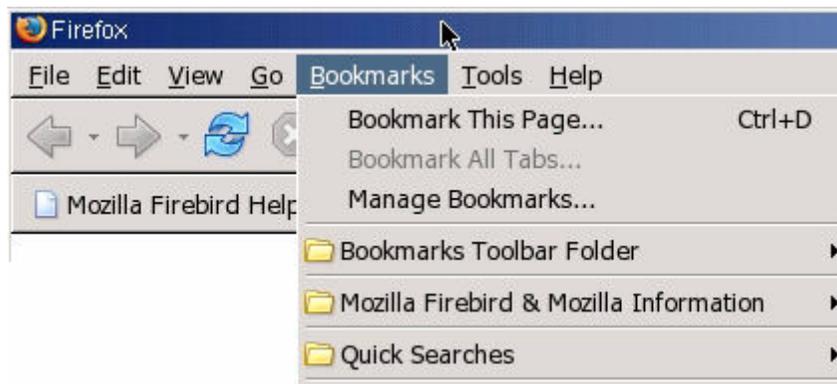
View Menu



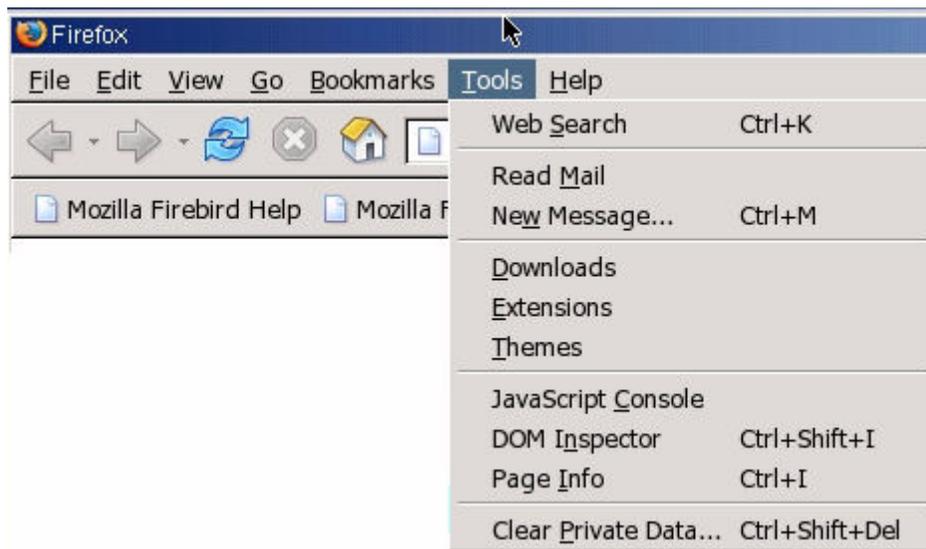
Go Menu



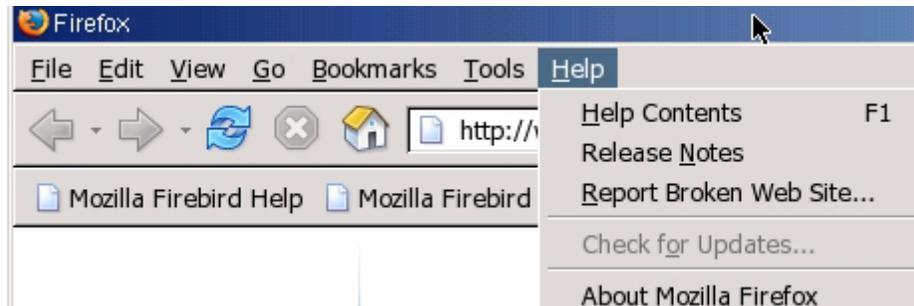
Bookmark Menu



Tools Menu

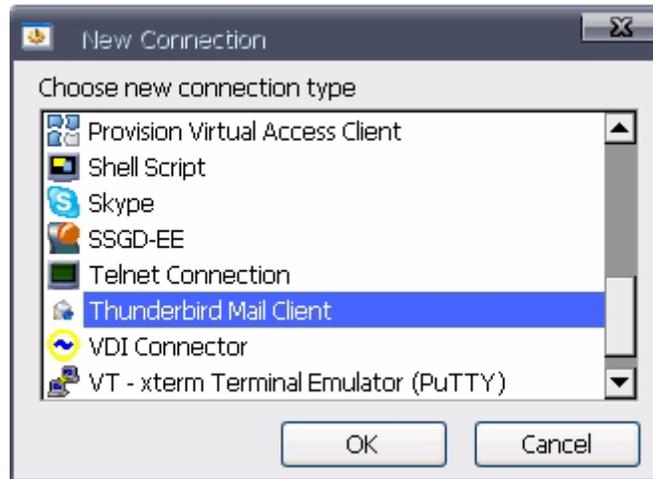


Help Menu

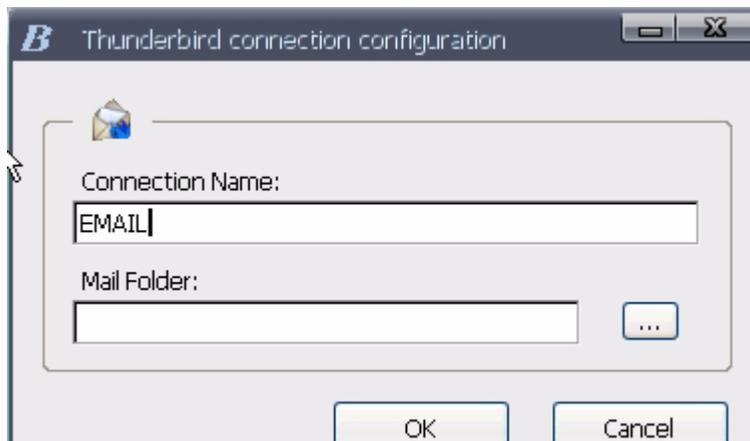


Thunderbird Email Client

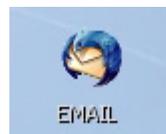
Select to add a new connection - Thunderbird Mail Client



Enter the connection name - this is the name associated with the ICON on the desktop and will be displayed in the connection manager.

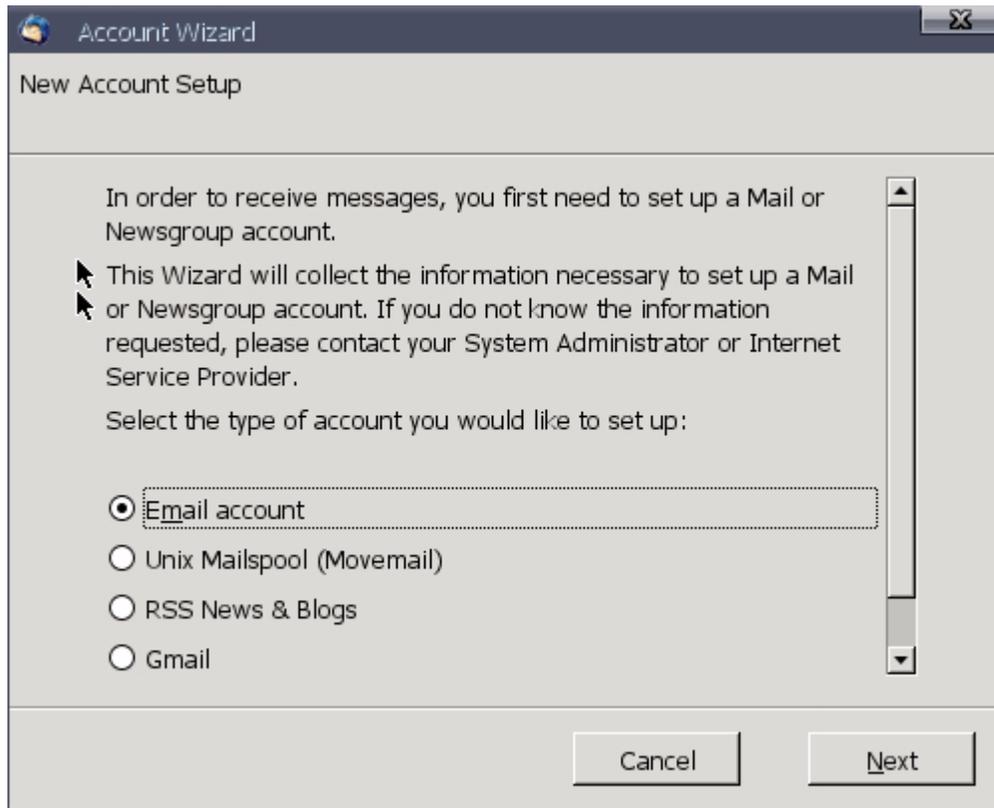


An ICON will be created on the desktop.



Double click on the ICON and the Thunderbird Email Client will open and the account configuration screen will be presented.

Select Email Account



Enter your name and email address.



The image shows a screenshot of a Windows-style dialog box titled "Account Wizard". The window has a standard title bar with a close button (an 'X' icon) in the top right corner. The main content area is titled "Identity" and contains the following text:

Each account has an identity, which is the information that identifies you to others when they receive your messages.

Enter the name you would like to appear in the "From" field of your outgoing messages (for example, "John Smith").

Your Name:

Enter your email address. This is the address others will use to send email to you (for example, "user@example.net").

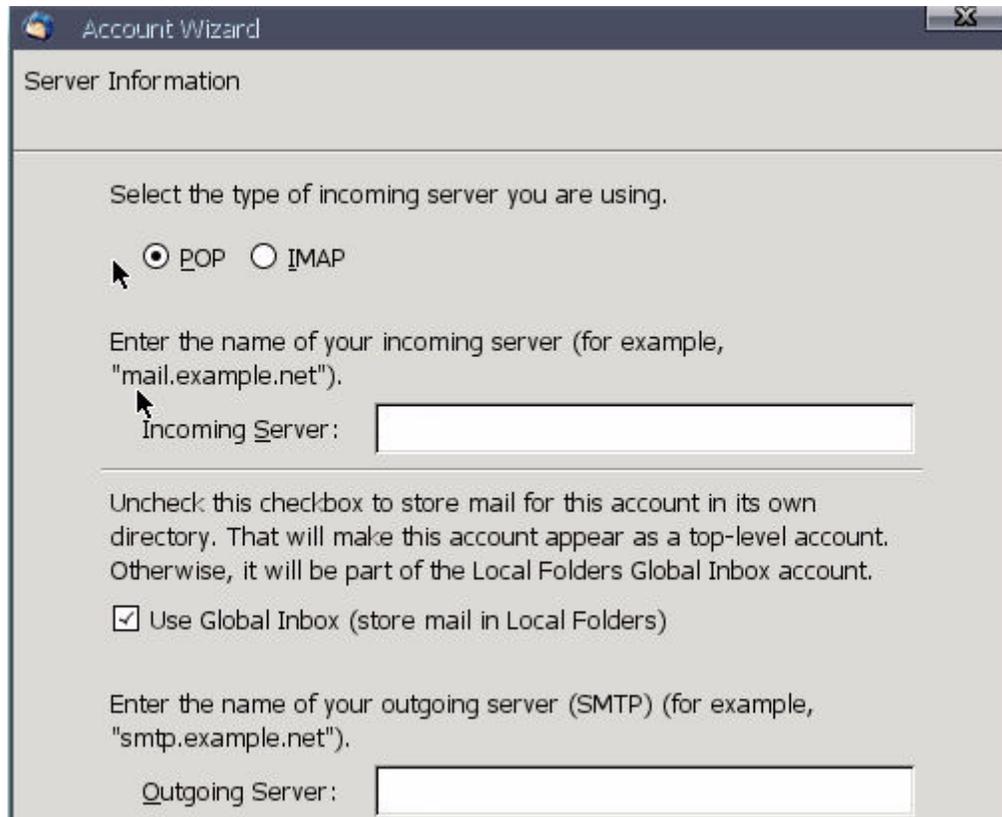
Email Address:

At the bottom of the dialog box, there are three buttons: "Cancel", "Back", and "Next".

Select the server type and the fully qualified domain name of the incoming server.

The LTC Unit will very likely be limited on disk space so mail for this account should be stored in its own directory on a server or mapped drive. Configure a mapped network drive in terminal properties under Misc Tab and uncheck the Use Global Inbox option.

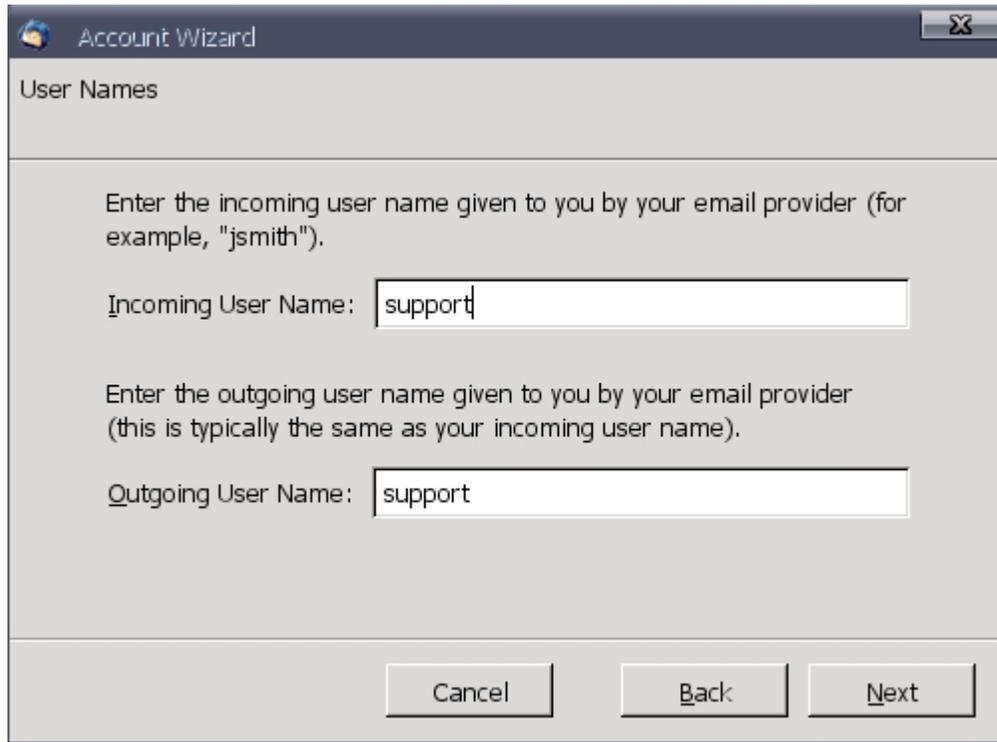
Enter the full qualified domain name of the outgoing server.



The screenshot shows a window titled "Account Wizard" with a "Server Information" tab. The window contains the following elements:

- A heading "Server Information".
- Text: "Select the type of incoming server you are using."
- Radio buttons: POP and IMAP.
- Text: "Enter the name of your incoming server (for example, 'mail.example.net')." followed by a text input field labeled "Incoming Server".
- Text: "Uncheck this checkbox to store mail for this account in its own directory. That will make this account appear as a top-level account. Otherwise, it will be part of the Local Folders Global Inbox account."
- Checkbox: Use Global Inbox (store mail in Local Folders).
- Text: "Enter the name of your outgoing server (SMTP) (for example, 'smtp.example.net')." followed by a text input field labeled "Outgoing Server".

Enter User Names



The screenshot shows a window titled "Account Wizard" with a close button in the top right corner. The window has a header bar with the title and a close button. Below the header, the text "User Names" is displayed. The main area contains two instructions and two input fields. The first instruction says "Enter the incoming user name given to you by your email provider (for example, 'jsmith')." followed by the label "Incoming User Name:" and a text box containing "support". The second instruction says "Enter the outgoing user name given to you by your email provider (this is typically the same as your incoming user name)." followed by the label "Outgoing User Name:" and a text box containing "support". At the bottom of the window, there are three buttons: "Cancel", "Back", and "Next".

Account Wizard

User Names

Enter the incoming user name given to you by your email provider (for example, "jsmith").

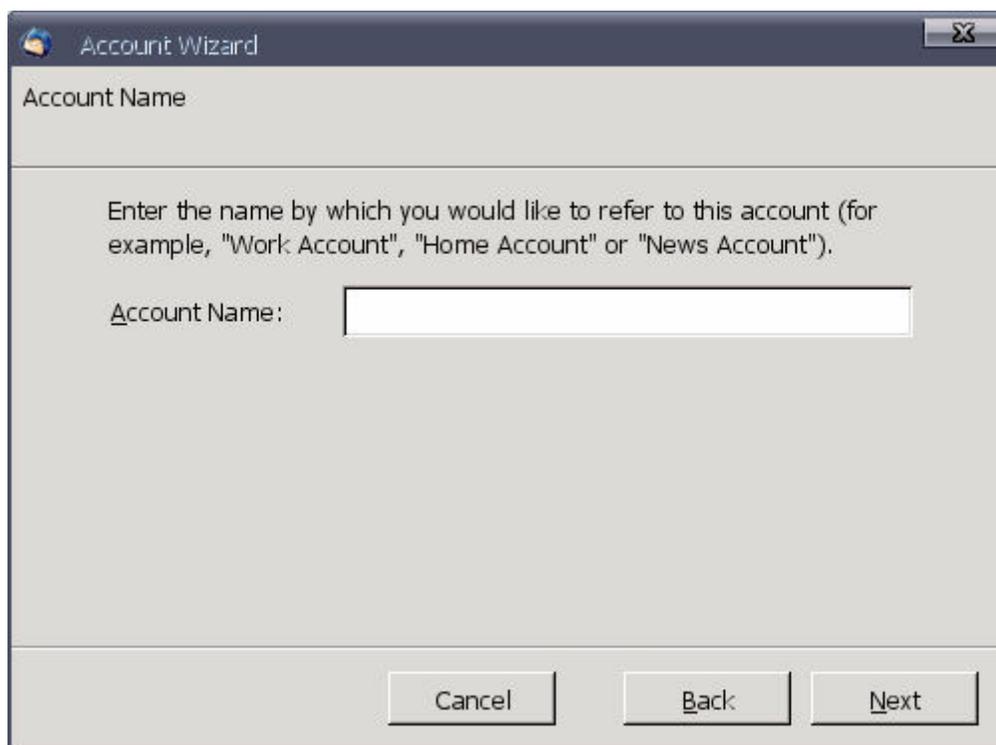
Incoming User Name:

Enter the outgoing user name given to you by your email provider (this is typically the same as your incoming user name).

Outgoing User Name:

Cancel Back Next

Enter the account name that will refer to this account.

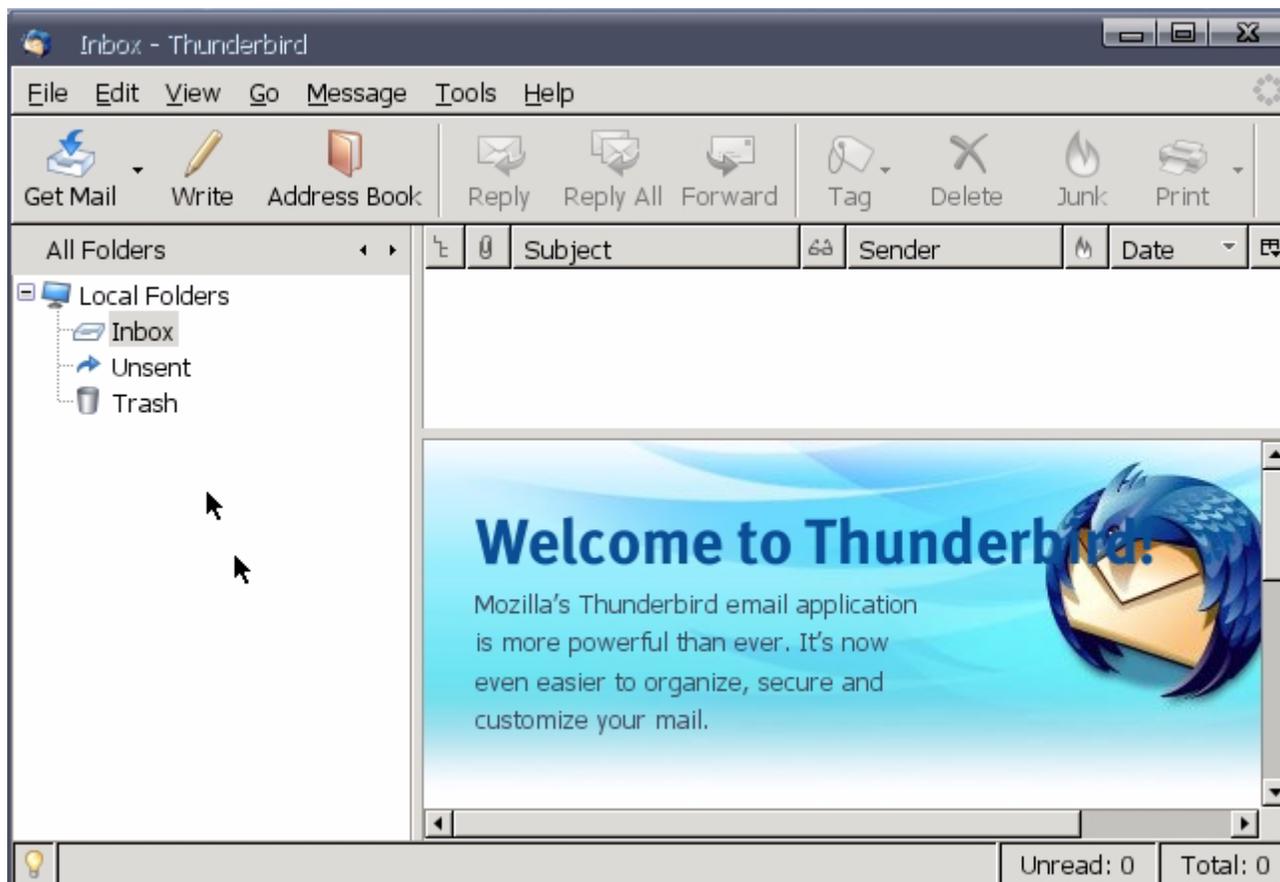


The image shows a Windows-style dialog box titled "Account Wizard". The title bar includes a small icon on the left and a close button (an 'X' in a square) on the right. The main content area is divided into sections. At the top, the text "Account Name" is displayed. Below this, there is a paragraph of instructions: "Enter the name by which you would like to refer to this account (for example, 'Work Account', 'Home Account' or 'News Account')." Underneath the instructions, the label "Account Name:" is followed by a rectangular text input field. At the bottom of the dialog box, there are three buttons: "Cancel", "Back", and "Next".

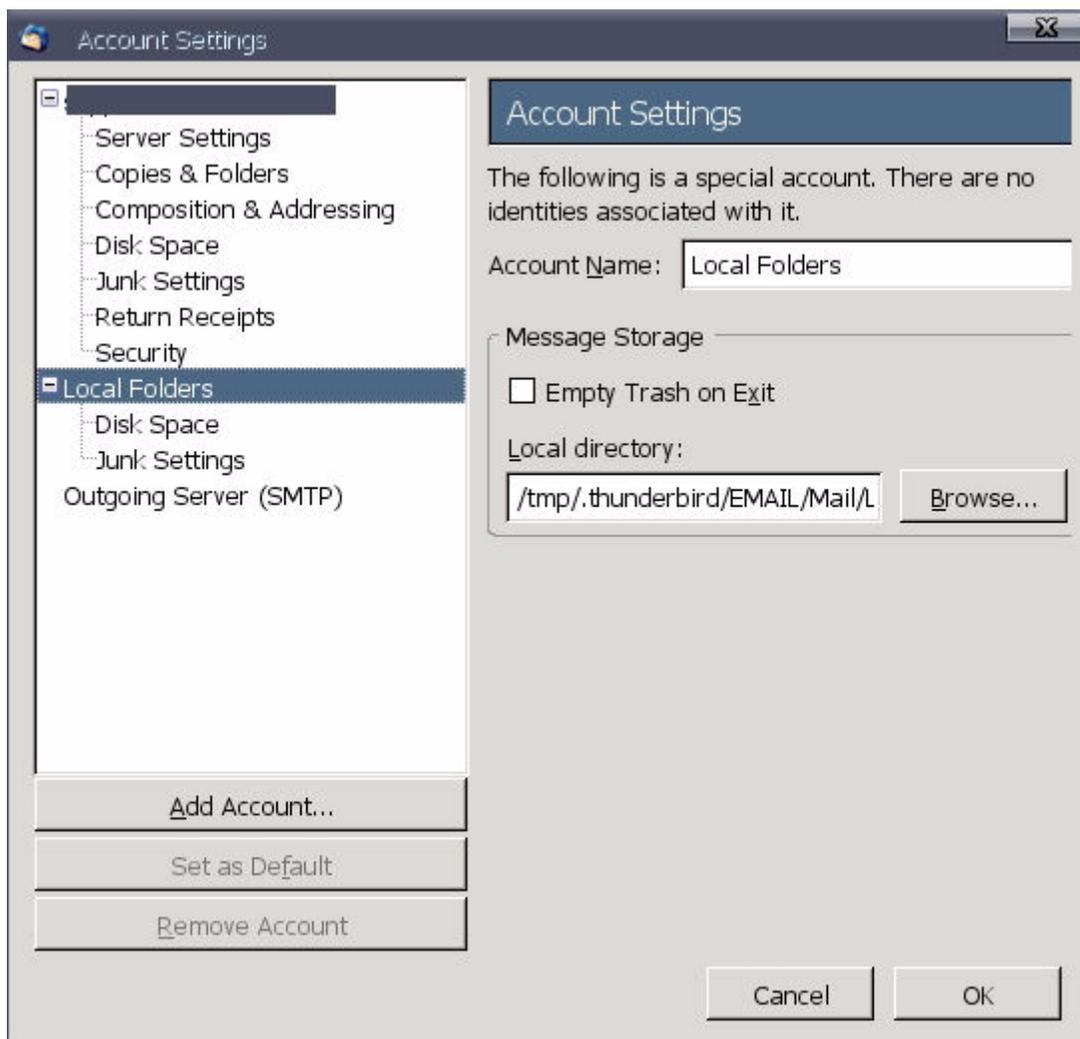
Uncheck Download Messages Now.



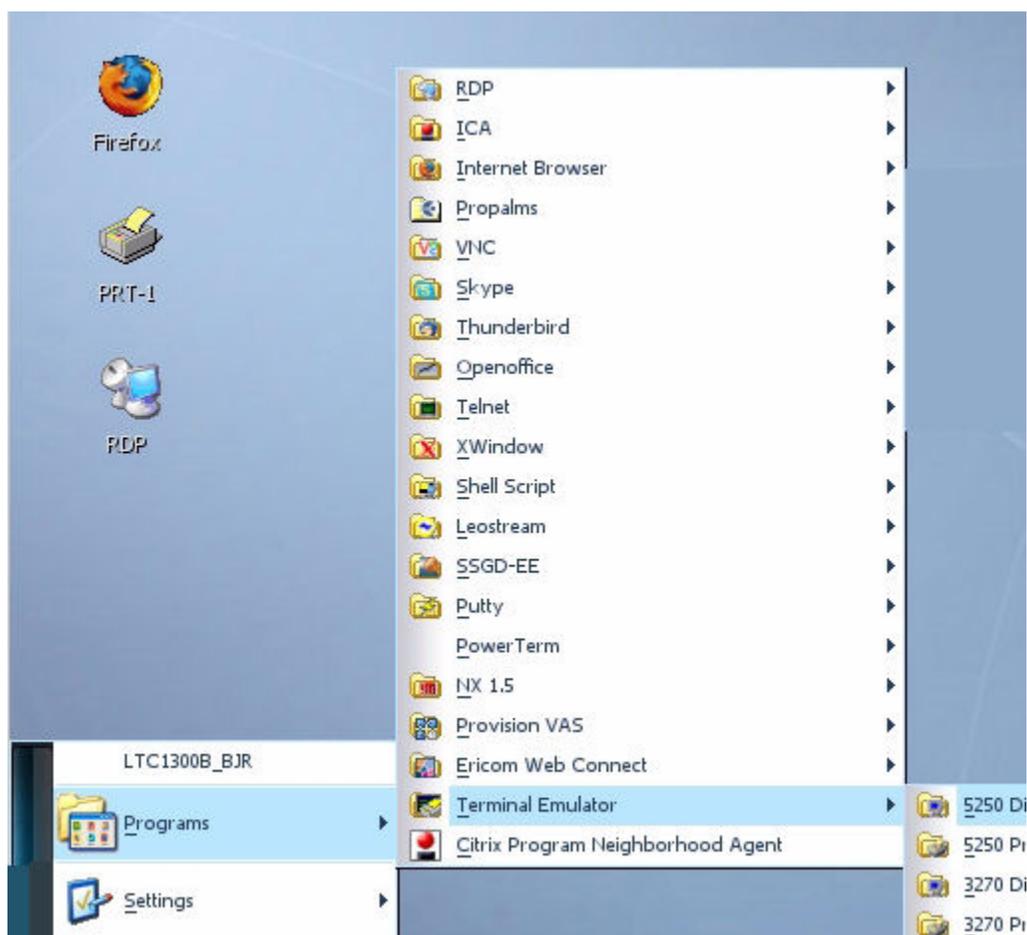
To change account settings select Edit > Account Settings.



To save emails on the mapped drive, enter the mapped drive information in the Local directory area:



A list of other connection types available can be seen below through the Program menu.



Hot Key Combinations

Function	Hot Key Combination	Function	Hot Key Combination
About	Alt+V	Session Disconnect	Ctrl+F4
Attributes Display	Ctrl+A	Setup	Ctrl+F2
Close All	Ctrl+F6	Split Screen: activate	Alt+Ctrl+ Insert
Copy	Ctrl+C		
Copy All	Ctrl+5	Split Screen: switch between screens	Alt+Ctrl+ Cursor Up *
Exit	Ctrl+F5		
Keyboard Help	Ctrl+F1	Switch to next 5250 session	Alt+PgUp *
Launch Connect'n Manager	Ctrl+Alt+End	Switch to next open application	Ctrl+Alt+Up Arrow
Next Session	Ctrl+S	Switch to previous open application	Ctrl+Alt+ Down Arrow
Paste	Ctrl+V		
Pause Macro	Alt+F3	Terminal Properties	Shift+F2
Play Macro	Alt+F5	View Hotspot	Ctrl+H
Quit	Ctrl+Alt	View Keypad	Ctrl+K
Record Macro	Alt+F4	View Ruler	Ctrl+Home
Session Connect	Ctrl+F3		
* On 122-key keyboards, use Alt+Jump			

Client Side Software		
	10ZiG LTC-550	10ZiG LTC-1000
OS	Linux Kernel 2.6	Linux Kernel 2.6
Terminal Emulation	TN5250e and TN3270e Emulator, with GUI and hot spots; Telnet with SSH, VT100, Wyse 60	TN5250e and TN3270e Emulator, with GUI and hot spots; Telnet with SSH, VT100, Wyse 60
Embedded Applications	Firefox 1.5.04 with Sun JVM (compatible with IBM Lotus Notes Domino v. 6.5) and Thunderbird POP3 email; Adobe Acrobat Reader	Firefox 1.5.04 with Sun JVM (compatible with IBM Lotus Notes Domino v. 6.5) and Thunderbird POP3 email; Adobe Acrobat Reader
Connectivity	Remote Desktop Protocol (RDP) and Citrix Independent Computing Architecture (ICA)	Remote Desktop Protocol (RDP) and Citrix Independent Computing Architecture (ICA)
Local Config.	Terminal/Session Config.	Terminal/Session Config.

Server Side Software		
	10ZiG LTC-550	10ZiG LTC-1000
Operating System	Microsoft Windows 2000 server	Microsoft Windows 2000 server
	Microsoft Windows 2003 server	Microsoft Windows 2003 server
	Microsoft Windows NT Terminal Server Edition	Microsoft Windows NT Terminal Server Edition
	Citrix MetaFrame	Citrix MetaFrame
	Citrix Winframe.	Citrix Winframe.
Management Tools	Remote Administrator Wake on LAN	Remote Administrator Wake on LAN

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