



# *NT EMBEDDED* ADMINISTRATOR GUIDE



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## Important Information

The information and instructions in this guide refer specifically to images in the series NT20101.

Thank you for purchasing the Netier NetXpress XL thin-client computer. Your satisfaction is important to us. If you experience any problems, please call **1-888-603-1892** for friendly, helpful technical support. Or if you prefer, contact us via Email at **techsupp@netier.com**.

## Important Safeguards

Please read all instructions and save these instructions for future reference. Always unplug your NetXpress XL computer from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning. Only use manufacturer-approved peripherals and attachments. Unapproved peripherals and attachments may be hazardous to system operation.

Do not use this computer near water.

Do not place this computer on an unstable cart, stand, or table. The computer may fall, causing serious personal injury as well as damage to the appliance. Use only with a stand recommended by the manufacturer.

Slots and openings in the NetXpress XL case are provided for ventilation. To ensure reliable operation of the computer and to protect it from overheating, do not block or cover these openings. Never place the NetXpress XL near or over a radiator or other heat source. Also, do not place your NetXpress in a built-in installation, such as a bookcase or shelf, unless proper ventilation is provided.

Operate your NetXpress XL only from the power source type indicated on the label. If you are not sure of the type of power supplied in your home or office, please consult your value added reseller (VAR) or local power company.

The NetXpress XL is equipped with a three-wire grounding plug, which is a common plug type that incorporates a third pin for grounding (U.S. shipments only). This plug only fits into a grounding-type power outlet, which contains three receptacles. This design provides added safety. If you are unable to insert the plug into the outlet, contact your electrician to replace your outlet.

**Caution: Do not remove the grounding prong under any circumstances.**

Do not allow anything to rest on the power cord. Locate your NetXpress XL such that the power cord is protected from traffic.

Follow all warnings and instructions listed on the computer.

To protect your NetXpress XL from power surges, unplug it from the wall outlet when not in use for long periods. Do not overload wall outlets and extension cords as this can result in fire or electric shock.

Never push objects of any kind into your NetXpress XL computer case slots. Foreign objects can damage the computer and may result in fire or electric shock.

In the event any liquid is spilled on the unit, immediately unplug the external power supply at the wall outlet. If any liquid has penetrated openings in the unit, contact your hardware service provider before you attempt to apply power to the unit again.

Do not attempt to service your NetXpress XL yourself. Opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel. Unplug the computer from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power cord or plug is damaged or frayed.
- If liquid has been spilled into the computer.
- If the computer has been exposed to water.
- If the computer does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage to this computer.
- If the computer is dropped or the case is damaged.
- When the computer exhibits a distinct change in performance, indicating a need for service.

When replacement parts are required, be sure the service technician uses replacement parts approved by the manufacturer. Use of unauthorized replacement parts may result in fire, electric shock, or other hazards. Upon completion of any service or repairs to your NetXpress XL, ask the service technician to perform routine safety checks to ensure the computer is in safe operating condition.

## Notice

The information in this manual is subject to change without notice.

The information contained in this manual was reviewed and validated. While every precaution was taken during the preparation of this manual, Netier Technologies, Inc. makes no warranty of any kind with regard to this material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

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## Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B computing device, pursuant to Subpart B of Part 15 of FCC Rules. Only peripherals (computer input/output devices, monitors, printers, etc.) certified to comply with the Class B limits may be attached to this computer. Operation with non-certified peripherals is likely to result in interference to operation.

**NOTICE:** This equipment generates and uses radio frequency energy, and if not installed and used in strict accordance with this user guide, interference to operation may result. It has been type tested and found to comply with the limits for a Class B computing device, pursuant to Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment on and off, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Relocate the NetXpress XL series with respect to the receiver.
- Move the NetXpress XL series away from the receiver.
- Plug the computer into a different outlet so that the NetXpress XL series and the receiver are on different branch circuits.

If necessary, consult your reseller for additional suggestions.

You may find the following booklet prepared by the Federal Communications Commission (FCC) helpful: *How to Identify and Resolve Radio-TV Interference Problems*. This book is available from the U.S. Government Printing Office, Washington, D.C. 20402.

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of Industry Canada.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par Industrie Canada.

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All other registered and unregistered trademarks are trademarks of their respective holders.

## Technical Support

**Note:** Please contact your system administrator or reseller first for any technical support issues.

Netier Technologies Technical Support information:

**Telephone:**

1.888.603.1892 (toll free, USA only)

1.972.242.9660 (International)

**Fax:**

1.972.242.6050

**Email:**

[techsupp@netier.com](mailto:techsupp@netier.com)

## **Pre-Sales Support**

Telephone:

1.888.603.1763 (toll free, USA only)

1.972.242.9660 (International)

Mailing Address:

Netier Technologies, Inc.

1625 West Crosby Road, Suite 100

Carrollton, TX 75006-6686

## About *NT Embedded*

Netier embedded Microsoft Windows NT 4.0 Workstation into the NetXpress XL series thin client to meet the demands of thin-client computing. Now thin-client computer users have access to **most** Windows NT 4.0 Workstation features normally found on complete desktop devices, and still enjoy the power and functionality of thin-client computing.

Unlike most thin-client operating systems, the embedded Microsoft Windows NT 4.0 Workstation provides more support for Citrix ICA® and Microsoft RDP® protocols allowing you to do more than just thin-client computing. Through extensive research and customization, Netier ensured that the embedded Microsoft Windows NT 4.0 Workstation thin-client operating system can accommodate a 10/100, 10 BaseT, 100 BaseT or wireless Ethernet connection, Point to Point Protocol (PPP), or an asynchronous dial-Up or serial cable connection. Netier also supports options for token ring, coax, and most other network media supported by Windows NT 4.0.

### ADVANTAGES

*NT Embedded* provides the following advantages:

- NT networking security
- Seamless Windows support
- Ease of licensing
- NT management tools
- Simultaneous operation of local embedded applications and Citrix Published Applications

### ACCESS

*NT Embedded* also offers access to the following:

- Citrix® WinFrame
- Microsoft® Windows® NT 4.0® Server, Terminal Server Edition (TSE)
- Microsoft Terminal Server Edition with MetaFrame
- Internet/Intranet
- Legacy systems
- Standard device drivers
- Video/audio streaming
- Video conferencing
- Browser-centric computing
- Terminal mainframe

## System Support

*NT Embedded* supports the following protocols, emulation packages, and applications:

### Standard

- Citrix ICA® Client
- Microsoft RDP® Client

### Optional:

- Terminal emulation
- X-Windows emulation
- HTML browser
- Media player
- Customer-driven applications, such as:
  - Visual Basic applications
  - MS-DOS applications
  - Browser plug-ins (Acrobat, Shockwave, Flash, etc.)

## Displaying Version Information

### TO DISPLAY VERSION INFORMATION:

- 1 Click the **Start** button.  
*The Start menu is displayed.*
- 2 Click **Version Information**.  
*The NetXpress Information dialog box is displayed.*
- 3 Click the **Details** button.  
*The Image Description dialog box is displayed.*

## Programs

### CONFIGURING DIAL-UP NETWORKING SETTINGS

**Note:** Dial-up support is only included in images that include the connection suite.

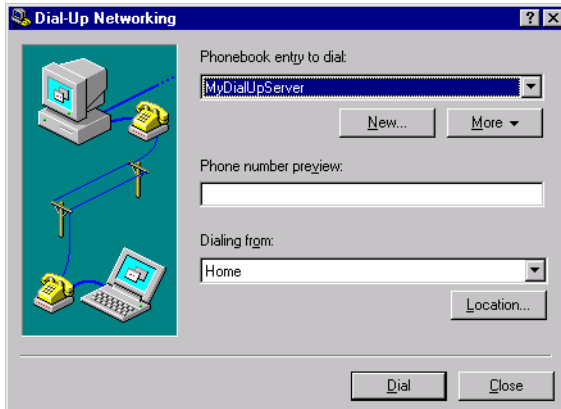
If the user is using a modem to dial in to the server you can use the Dial-Up Networking Manager to configure dial-up networking settings. Dial-Up Networking is the client version of Windows NT Remote Access Service (RAS) and allows remote users using Embedded Windows NT 4.0 Workstation to work as if they were connected directly to the network.

**Note:** Access to Macintosh volumes and Apple Talk printers over dial-in lines are not supported.

**TO CONFIGURE A NEW DIAL-UP NETWORKING ENTRY:**

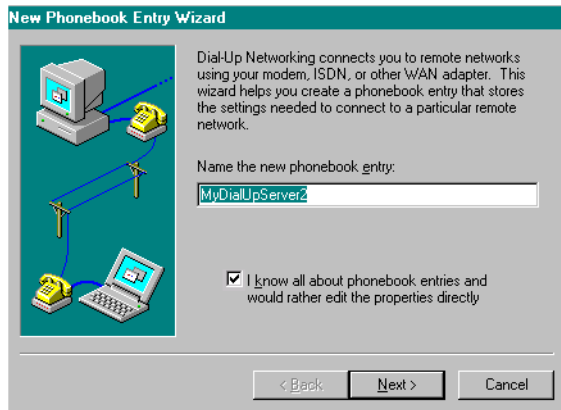
**Note:** You can edit Dial-Up networking entries after configuration. For more information on editing entries refer to “Editing an Existing Phonebook Entry and Modem Properties” on page 15.

- 1 Click the **Start** button, **Programs, Dial-Up Networking** and select **Dial-Up Networking**.  
*The Dial-Up Networking dialog box is displayed*



*Dial-Up Networking*

- 2 Click **New**.  
*The New Phonebook Entry Wizard is displayed*

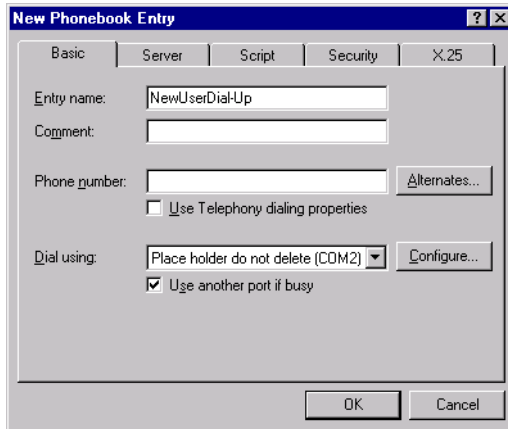


*New Phonebook Entry Wizard*

- 3 Type the new phonebook entry name and select the I know all about phonebook entries and would rather edit the properties directly checkbox.

**4 Click Next.**

The New Phonebook Entry dialog box is displayed.



New Phonebook Entry

**BASIC TAB**

- 5 From the **Basic** tab, type the new phonebook entry name in **Entry name:**. The name can include up to 256 characters.
- 6 Type any comments that are specific to this phonebook entry in **Comment:**.
- 7 Type the phone number of the dial-up server in **Phone number**. See Phone number modifier list below for more information on adding modifiers to the phone number to suit specific situations. For example, if you are dialing from a location that requires a centrex number (i.e. **9, 555-1234**) the comma requests a brief pause before continuing to dial.

**Phone Number Modifiers**

Character	Function
, (comma)	Pauses briefly (two seconds for most modems) before continuing.
@	Waits for extended silence before continuing.
P	Switches from touch-tone to pulse/rotary dialing.
T	Switches from pulse/rotary to touch-tone dialing.
W	Waits for a dial tone before continuing (for modems with 2400 baud rate or greater).

- 8 If you need to configure the NetXpress to dial in to a pool of phone numbers, click **Alternates...**.  
*The Phone Numbers dialog box is displayed.*



*Phone Numbers*

More than one phone number can be assigned to each entry in Dial-Up Networking. This is especially useful if the user attempts to dial in to a busy modem on the server.

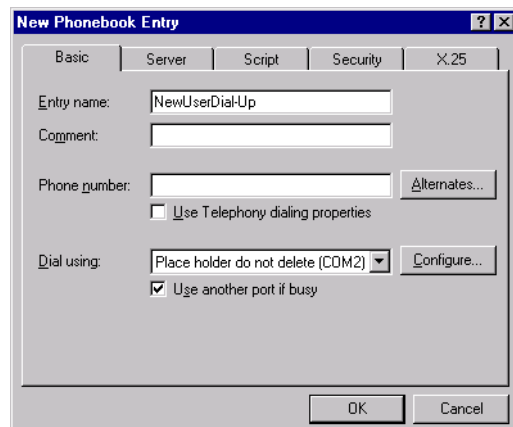
- 9 Type the new phone number in **New phone number:**.  
 10 Click **Add**.

*The phone number is listed under **Phone numbers:**.*

**Note:** To add more phone numbers for the user to dial in to, click **Add**. To remove a phone number from the list, click to select the number and click **Delete**. To configure the order in which the NetXpress dials the phone numbers, click to select the phone number then click **Up** or **Down**.

- 11 Select **Move successful number to the top of the list on connection** to ensure that the most reliable phone number on the server is always selected first.  
 12 Click **OK**.

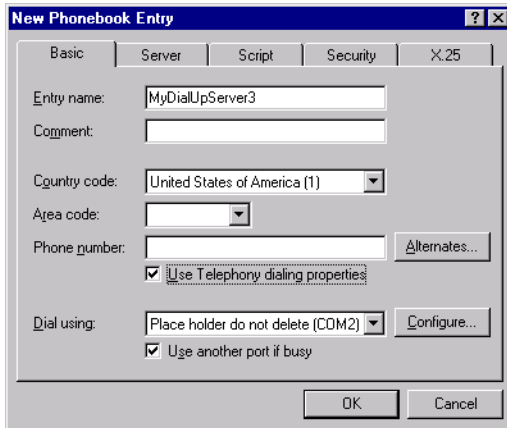
*The New Phonebook Entry dialog box is displayed.*



*New Phonebook Entry*

**13** Select **Use Telephony dialing properties**. If you select this option the telephony dialing page is displayed when you click **Location** in the **Dial-Up Networking** dialog box.

*The Area Code and Phone number fields are displayed.*



*New Phonebook Entry*

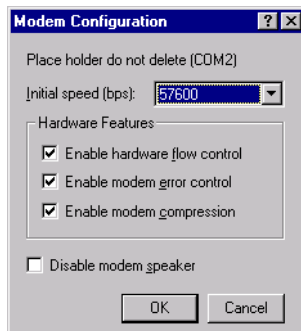
**14** Select the appropriate country code using the **Country Code**: pull-down menu.

**15** Type the area code in **Area code**.

**16** In the Dial using field, click **Configure** to specify the exact device to use for the connection.

*The Modem Configuration dialog box is displayed.*

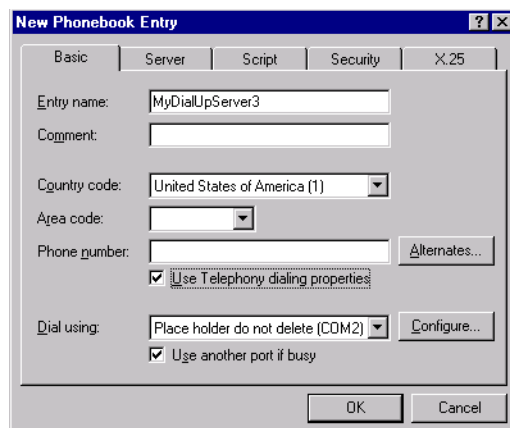
**Note:** Multiple Lines are not supported in this image. Do **not** delete the place holder in the Dial using field.



*Modem Configuration*

**17** Click **OK**.

*The New Phonebook Entry dialog box is displayed.*

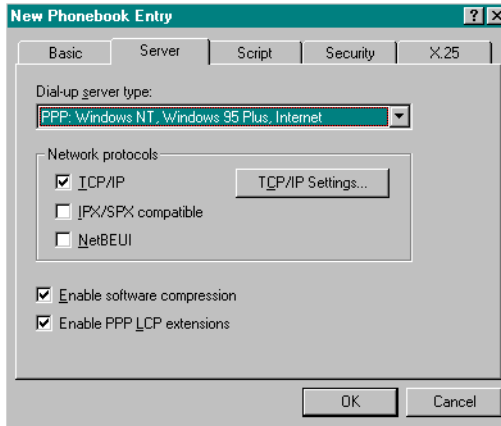


*New Phonebook Entry*

**18 Click Server.**

*The Server tab is displayed*

**SERVER TAB**



*Server Tab*

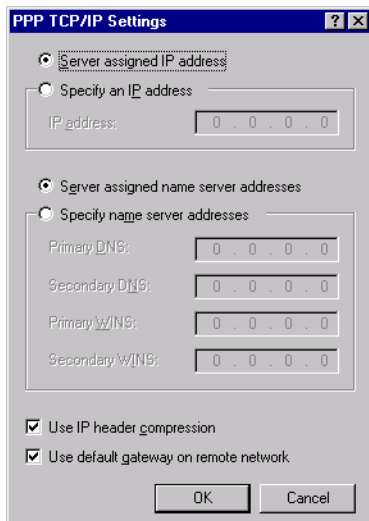
**19** From the **Server** tab, use the **Dial-up server type:** pull-down menu to select the dial-up server type. Select PPP unless you are sure you are connecting to a different dial-up server type (i.e. SLIP: Internet, Windows NT 3.1, Windows for Workgroups 3.11).

**20** Select **TCP/IP**.

**Note:** TCP/IP is the only protocol supported on the standard image.

**21** Click **TCP/IP Settings....**

*The PPP TCP/IP Settings dialog box is displayed.*



*PPP TCP/IP Settings*

22	If...	then...
	your network uses DHCP,	select <b>Server assigned IP address</b> .
	your network does <b>not</b> use DHCP,	select <b>Specify an IP address</b> . Type the IP address in <b>IP address</b> .

23	If...	then...
	your DHCP server assigns DNS entries,	select <b>Server assigned name server address</b> .
	you manually set domain name server settings,	select <b>Specify name server addresses</b> . Type the DNS addresses in the appropriate fields.

**24** Select **Use IP header compression** if you require Dial-Up Networking to use Van Jacobsen (VJ) compression. The capabilities of the remote PPP server determine if this type of compression can be used. If the PPP server does not support VJ compression the connection may not be effected.

**Note:** If the server is running an older version of a non-Microsoft PPP server software clear **Use IP header compression**.

**25** If the NetXpress thin client is connected to a LAN and using a network card, select **Use default gateway on remote network**. Packets that are not routed on the local network are forwarded to the default gateway on the remote network.

**Note:** The remote network is used to resolve any address conflicts

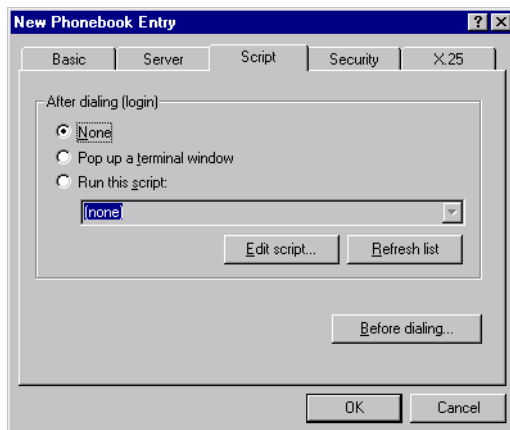
**26** Click **OK**.

*The Server tab is displayed.*

**27** Click **Script**.

*The Script tab is displayed.*

## SCRIPT TAB

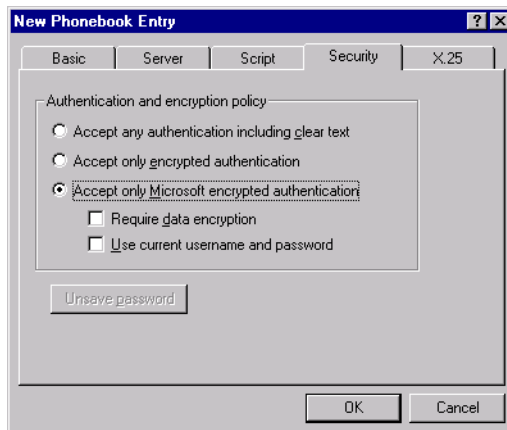


*Script tab*

**Note:** Use Rapport to configure scripts. Refer to the Rapport User Guide for detailed instructions.

**28 Click Security.**

*The Security tab is displayed.*



*Security Tab*

**SECURITY TAB****29** Through the Security tab you configure the dial-up server authentication and encryption rules. Select the desired authentication and encryption policy under **Authentication and encryption policy**.

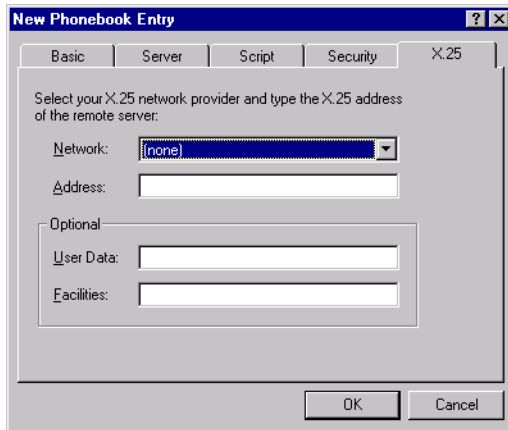
- **Accept any authentication including clear text** allows any authentication requested by the server. Use this setting if passwords are not required for connection. This setting is useful if you are calling a non-Microsoft server.
- **Accept only encrypted authentication** allows any authentication except PAP. This setting is useful if you are dialing a non-Microsoft server and do not want the user to transmit clear text passwords on the communication line.
- **Accept only Microsoft encrypted authentication** allows MS-CHAP authentication only. This setting is useful if you are dialing a Microsoft server and you want to configure the connection to require data encryption and use the current username and password.
  - **Require data encryption** This option is available only on Windows NT version 3.5 or later RAS computers (Windows NT RAS uses the RSA Data Security Incorporated RC4 algorithm). The connection hangs up if it does not encrypt.
  - **Use current username and password** configures the connection to use the user's username and password entered during log on. This is useful if the user is using the NetXpress thin client as an alternate workstation at home on an office network.

**30 Click X.25**

*The X.25 tab is displayed.*

## X.25 TAB

**Note:** All options under the X.25 Tab are not supported through standard Embedded Windows NT Workstation.



*X.25 Tab*

31 Click **Cancel**.

*The Dial-Up Networking dialog box is displayed.*

## Editing an Existing Phonebook Entry and Modem Properties

If, for some reason, you need to change a user's dial-up networking configuration, you do not need to create a new phonebook entry. You can edit existing phonebook entries to suite the user's needs.

### TO EDIT AN EXISTING ENTRY AND MODEM PROPERTIES:

32 Select the phone book entry you want to edit using the **Phonebook entry to dial:** pull-down menu.

33 Click **More**.

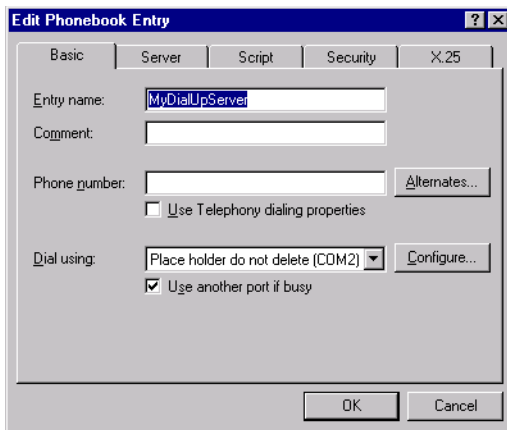
*The More menu is displayed.*



*More Menu*

**34 Select Edit entry and modem properties....**

*The Edit Phonebook Entry dialog box is displayed.*



*Edit Phonebook Entry*

**35** See “Configuring Dial-Up Networking Settings” on page 7 for more information on configuring dial-up networking settings using Phonebook Entry.

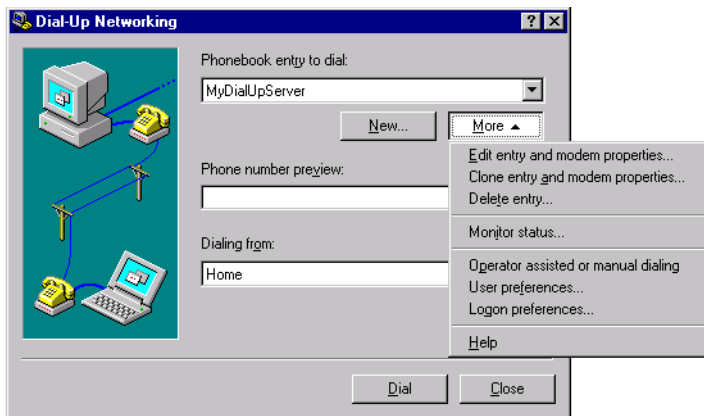
**CLONING A PHONEBOOK ENTRY AND MODEM PROPERTIES**

Cloning makes a copy of an existing phonebook entry. This is useful if you’ve taken the time to configure one phonebook entry and need another entry similar to meet the user’s needs.

**TO CLONE A PHONEBOOK ENTRY:**

- 1 Select the phone book entry you want to clone using the **Phonebook entry to dial:** pull-down menu.
- 2 Click **More**.

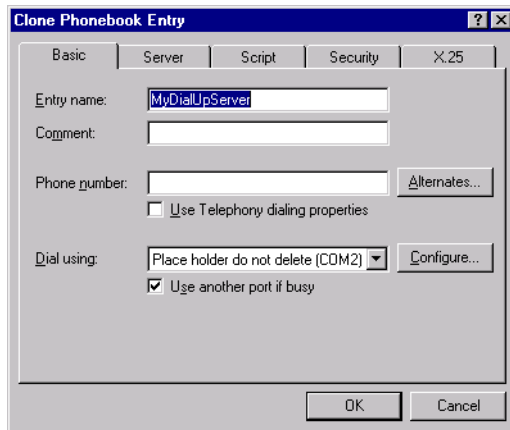
*The More menu is displayed.*



*More Menu*

**3 Select Clone entry and modem properties....**

*The Clone Phonebook entry dialog box is displayed.*



*Clone Phonebook Entry*

- 4** See “Configuring Dial-Up Networking Settings” on page 7 for more information on configuring dial-up networking settings using Phonebook Entry.

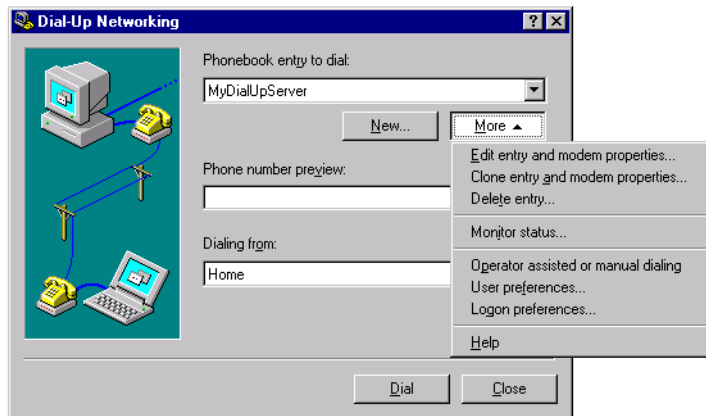
**DIAL-UP NETWORKING MONITOR**

Through the Dial-Up Networking Monitor you can view the device and connection statistics, device errors, receive a summary of the network connection and configure dial-up networking preferences.

**TO ACCESS THE DIAL-UP NETWORKING MONITOR:**

- 1** Select the phone book entry you want to monitor using the **Phonebook entry to dial:** pull-down menu.
- 2** Click **More**.

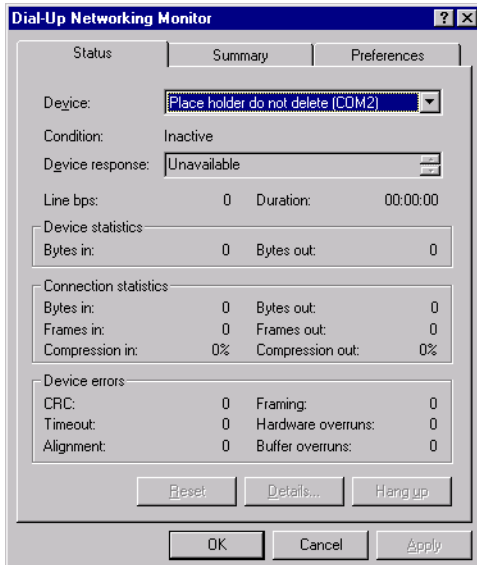
*The More menu is displayed.*



*More Menu*

**3 Select Monitor Status....**

*The Dial-Up Networking Monitor is displayed.*

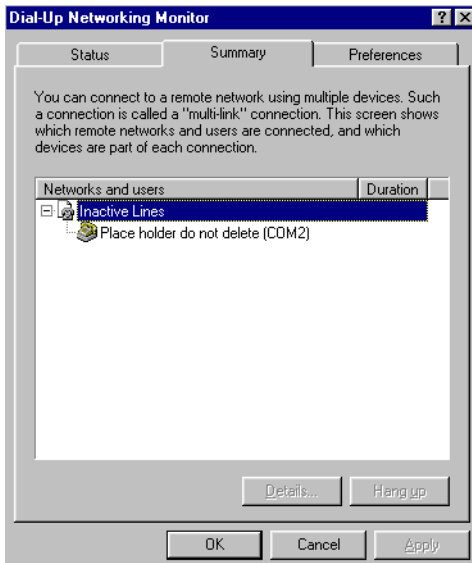


*Dial-Up Networking Monitor*

**4** Through the status tab you can view the device statistics, connection statistics and device errors. Use the **Device** pull-down menu to select a device you wish to receive status information on.

**5** Click **Summary**.

*The Summary tab is displayed.*

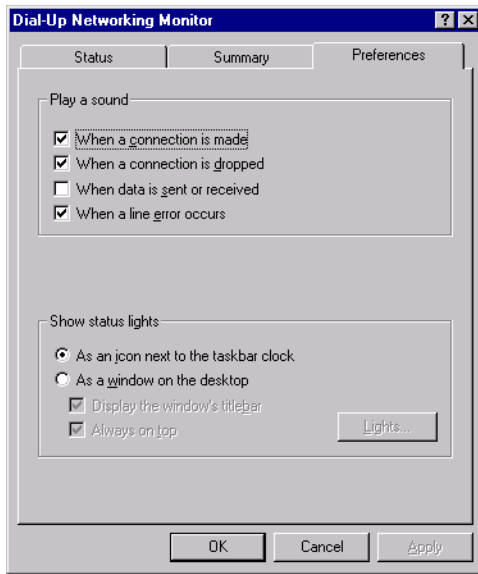


*Summary Tab*

Through the Summary tab you can determine which remote networks and users are connected and which devices are part of each connection.

**6 Click Preferences.**

*The Preferences tab is displayed.*



*Preferences Tab*

**7** Through the Preferences tab you configure when sounds are used for connections, and status light display options.

**8 Click OK.**

*The Dial-Up Networking dialog box is displayed.*

**OPERATOR ASSISTED OR MANUAL DIALING**

The Operator assisted or manual dialing... function in Windows NT 4.0 Workstation is disabled. For more information consult Microsoft support.

**USER PREFERENCES**

You configure various Dial-Up Networking user preferences such as Dialing, Callback, Appearance and Phonebook in the User Preferences.

**TO SELECT USER PREFERENCES:**

- 1** Select the phone book entry you want to configure user preferences for.
- 2** Click **More**.

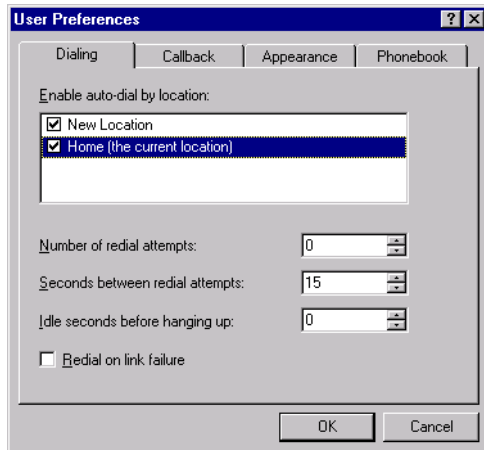
*The More menu is displayed.*



*More Menu*

**3 Select User Preferences.**

*The User Preferences dialog box is displayed.*

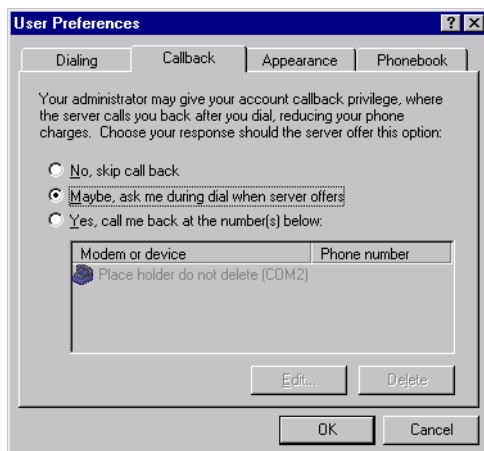


*User Preferences*

Through the Dialing tab you select the location where you want to enable RAS Autodial. Network addresses are mapped and maintained via RAS Autodial. With this selected, network addresses are automatically dialed from an application or from the command line. This is useful if the user is controlled from the network and needs to use an application that is referenced to a remote address. RAS Autodial automatically creates a network connection when the user attempts to use the application.

- 4 Select the location to enable auto-dial.
- 5 Choose the number of redial attempts that should be made, the seconds between these redial attempts and the number of idle seconds before the system hangs up/
- 6 If you want the system to automatically redial if the link fails, select Redial on link failure.
- 7 Click **Callback**.

*The Callback tab is displayed.*

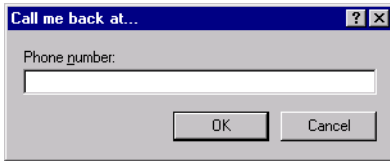


*User Preferences*

- 8 You can configure the server to call the user back when they are connecting from remote areas. This is useful to reduce the amount of phone charges. Select **Maybe, ask me during dial when server offers** to have the server query the user when they dial in. Select **Yes, call me back at the number(s) below:**

**9 Click Edit.**

*The Call me back at... dialog box is displayed.*



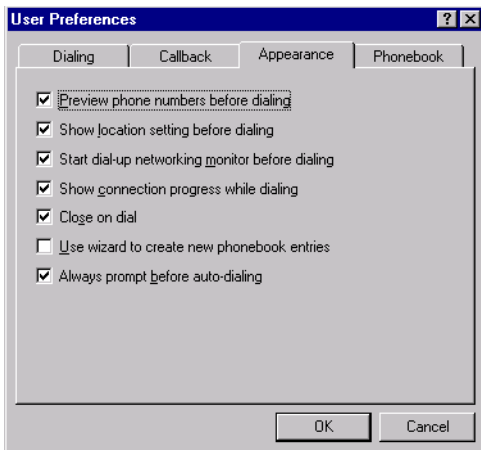
*Call me back at...*

**10 Type number the server is to call back in Phone number:**

**11 Click OK.**

**12 Click Appearance.**

*The Appearance tab is displayed.*

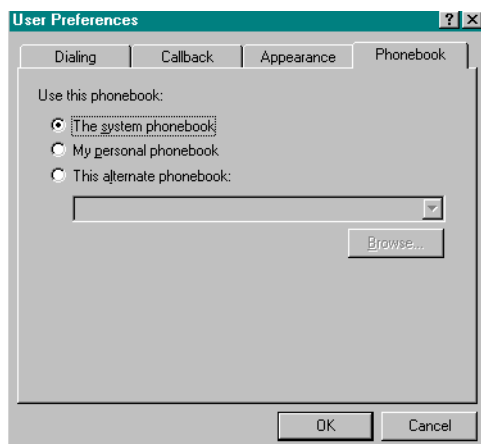


*Summary Tab*

**13 Configure the appearance settings as needed.**

**14 Click Phonebook.**

*The Phonebook tab is displayed.*



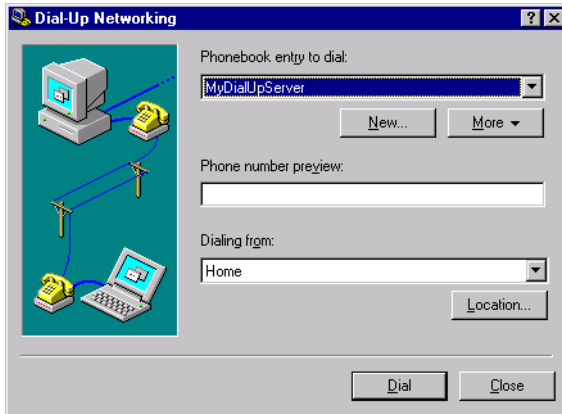
*Phonebook Tab*

**15 Select the default phonebook for use.**

**Note:** The system phonebook is the only phonebook available in Embedded Windows NT 4.0.

16 Click **OK**.

*The Dial-Up Networking dialog box is displayed.*



*Dial-Up Networking*

## LOGON PREFERENCES

Logon Preferences allows you to configure preferences that apply specifically to administrator settings only. Users do not have access to Logon Preferences.

### TO CONFIGURE LOGON PREFERENCES:

- 1 Select the phone book entry you want to configure user preferences for.
- 2 Click **More**.

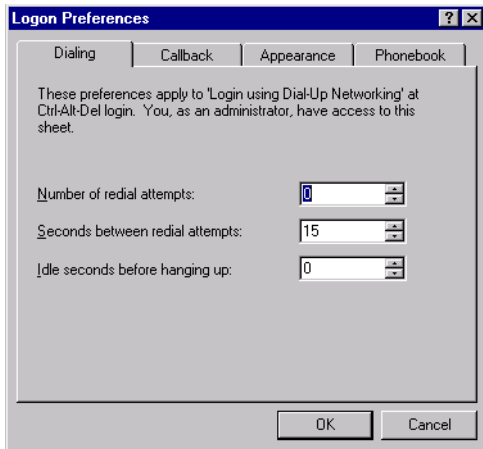
*The More menu is displayed.*



*More Menu*

**3 Click Logon Preferences.**

*The Logon Preferences tab is displayed.*

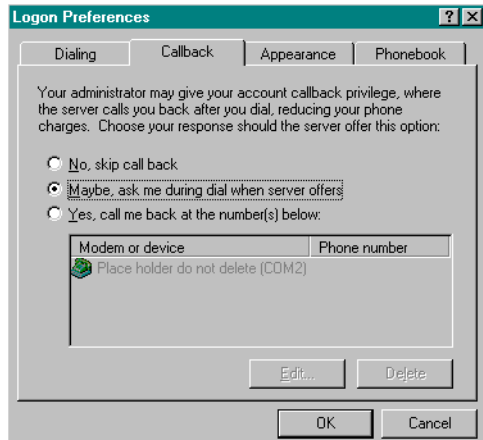


*Logon Preferences*

**4 Select the number of redial attempts, the number of seconds between redial attempts and number of idle seconds to wait before hanging up.**

**5 Click **Callback**.**

*The Callback tab is displayed.*

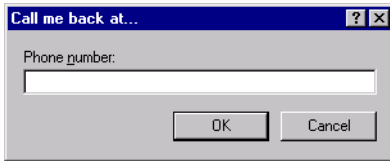


*Callback tab*

**6 You can configure the server to call the user back when they are connecting from remote areas. This is useful to reduce the amount of phone charges. Select **Maybe, ask me during dial when server offers** to have the server query the user when they dial in. Select **Yes, call me back at the number(s) below**:**

**7 Click Edit.**

*The Call me back at... dialog box is displayed.*



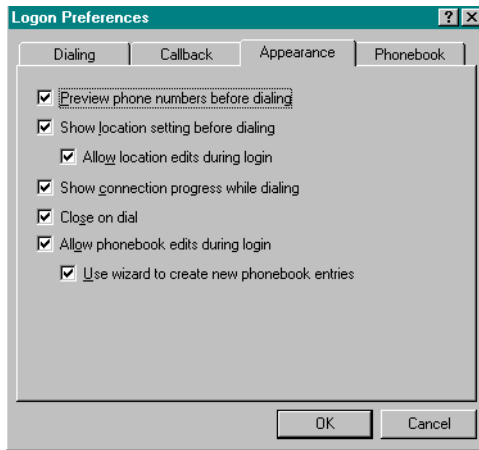
*Call me back at...*

**8 Type number the server is to call back in Phone number:**

**9 Click OK.**

**10 Click Appearance.**

*The Appearance tab is displayed.*

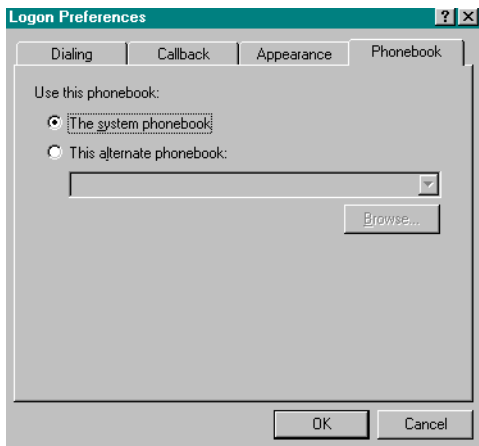


*Appearance tab*

**11 Configure the appearance settings as needed.**

**12 Click Phonebook.**

*The Phonebook tab is displayed.*



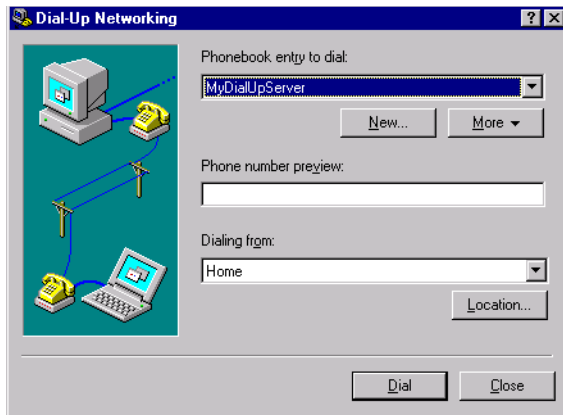
*Phonebook tab*

**13 Select the default phonebook for use.**

**Note:** The system phonebook is the only phonebook available in Embedded Windows NT 4.0.

14 Click **OK**.

The *Dial-Up Networking* dialog box is displayed.



*Dial-Up Networking*

## CONFIGURING LOCATION PROPERTIES

You can create new location or configure the location properties for the location displayed in the **Dialing from:** pull-down menu.

### TO CONFIGURE LOCATION PARAMETERS:

- 1 From the Dial-Up Networking dialog box, click **Location**.

<p><i>If Use Telephony dialing properties is selected in the Basic tab the Dialing properties dialog box is displayed.</i></p>	<p><i>If Use Telephony dialing properties is <b>not</b> selected in the Basic tab the Location Settings dialog box is displayed.</i></p>
<p><i>My Locations</i></p>	<p><i>Location Settings</i></p>

**TO CONFIGURE DIALING PROPERTIES WITH USE TELEPHONY DIALING PROPERTIES SELECTED:**

- 1 Select the location from the I am dialing from: pull-down menu.
- 2 Configure the I am in this country/region: and When dialing from here information as needed.
- 3 To add a new location, click **New**.

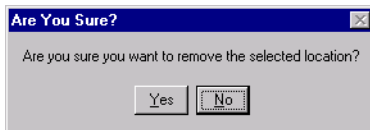
*A new location is added to the I am dialing from: pull-down menu and the Dialing Properties confirmation dialog box is displayed.*



*Dialing Properties*

- 4 Click **OK**.
- 5 To remove an existing location select the location from the **I am dialing from:** pull-down menu.
- 6 Click **Remove**.

*The Are you Sure? confirmation dialog box is displayed.*



*Are You Sure?*

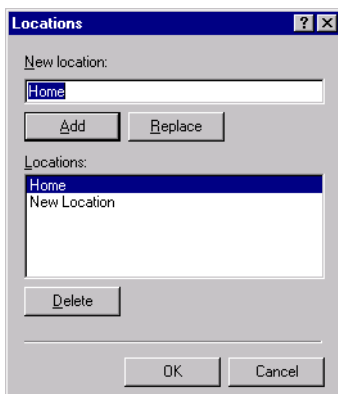
- 7 Click **Yes** to remove the location.

*The location is removed from the I am dialing from: pull-down menu.*

**TO CONFIGURE DIALING PROPERTIES WITH USE TELEPHONY DIALING PROPERTIES NOT SELECTED:**

- 1 Select **Location List:**.

*The Locations dialog box is displayed.*

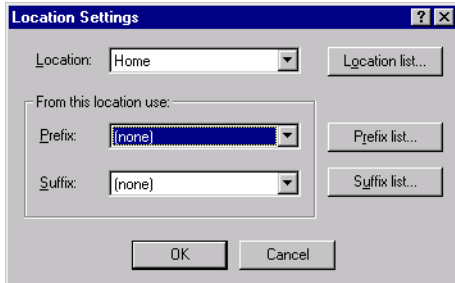


*Locations*

- 2 To add a location, type the name of the location in **New location:**.
- 3 Click **Add**.
- 4 To replace a location select the location you wish to replace listed under **Locations:**.
- 5 Type the new location name in **New Location:**.
- 6 Click **Replace**.

*The new location replaces the old location; however, the old location remains listed.*

- 7 To delete an existing location select the location listed under **Locations:**.
- 8 Click **Delete**.  
*The location is deleted from the Locations: list.*
- 9 Click **OK**.  
*The Location Settings dialog box is displayed.*



*Location Settings*

**TO TEMPORARILY ADD EXTRA NUMBERS TO THE BEGINNING OF THE PHONEBOOK ENTRIES WITHOUT CHANGING EVERY ENTRY:**

- 1 Click **Prefix list...**  
*The Phone Number Prefixes dialog box is displayed.*



*Phone Number Prefix*

- 2 Type the new prefix in **New prefix:**.
- 3 Click **Add**.  
*The prefix is added to the Prefixes list.*
- 4 To replace a prefix, type the new prefix in **New Prefix:**.
- 5 Select the prefix you wish to replace under **Prefixes:**.
- 6 Click **Replace**.  
*The selected prefix is replaced.*
- 7 To change the order in which the prefixes are recognized, click **Up** or **Down**.
- 8 To delete a prefix, select the prefix under **Prefixes:**.
- 9 Click **Delete**.
- 10 Click **OK**.  
*The Location Settings dialog box is displayed.*

**TO TEMPORARILY ADD EXTRA NUMBERS TO THE END OF THE PHONEBOOK ENTRIES WITHOUT CHANGING EVERY ENTRY:**

- 1 Click **Suffix list...**.

*The Phone Number Suffixes dialog box is displayed.*



*Phone Number Suffix*

- 2 Type the new suffix in **New suffix:**.

- 3 Click **Add**.

*The suffix is added to the Suffixes list.*

- 4 To replace a *suffix*, type the new suffix in **New suffix:**.

- 5 Select the suffix you wish to replace under **Suffixes:**.

- 6 Click **Replace**.

*The selected suffix is replaced.*

- 7 To change the order in which the suffixes are recognized, click **Up** or **Down**.

- 8 To delete a suffix, select the suffix under **Suffixes:**.

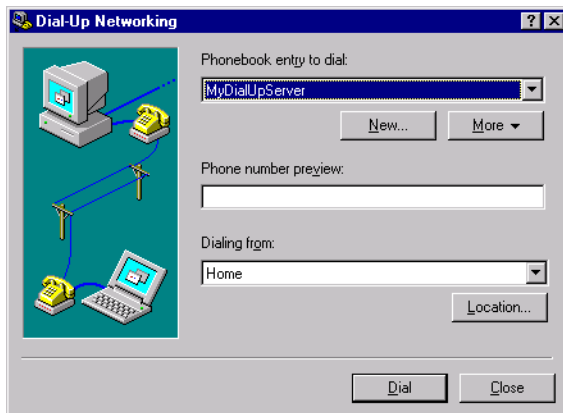
- 9 Click **Delete**.

- 10 Click **OK**.

*The Location Settings dialog box is displayed.*

- 11 Click **OK**.

*The Dial-Up Networking dialog box is displayed.*



*Dial-Up Networking*

- 12 Click **Close**.

*Dial-Up Networking is closed.*

## Configuring a Connection in DCS 8

The NetXpress XL Series thin client is equipped with several DCS 8 terminal emulation connectivity applications, including 3270/5250 and VT Series.

### 3270/5250

3270/5250 is a terminal emulation program which allows your NetXpress thin client to access mainframe computer programs across a TCP/IP network.

By using the 3270/5250 terminal emulation program you can:

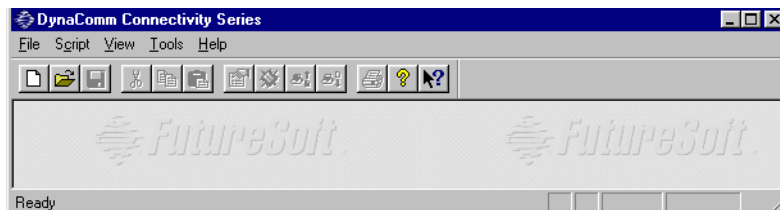
- Create template-based sessions and save them in connection files.
- Set PC to host keyboard mapping through a graphical interface.
- Connect to your MAPI mail program and include screen components and sessions files in mail messages.
- Automate tasks with OLE Automation scripts.
- Create scripts by recording a series of mouse and keyboard actions, or create and edit scripts with the scripting editor.
- Capture and print host application screens.
- Select host application colors and fonts.
- Use any international keyboard supported by Windows.
- Use ASCII«EBCDIC conversion files from nineteen different languages, or create new conversion files using the conversion table editor.
- Customize the session toolbar.
- Operate in full-screen mode.
- Use programs that support WinHLLAPI.

See the DynaComm online help for complete information and instructions.

#### TO CONFIGURE A CONNECTION IN 3270/5250 TERMINAL EMULATION SESSION:

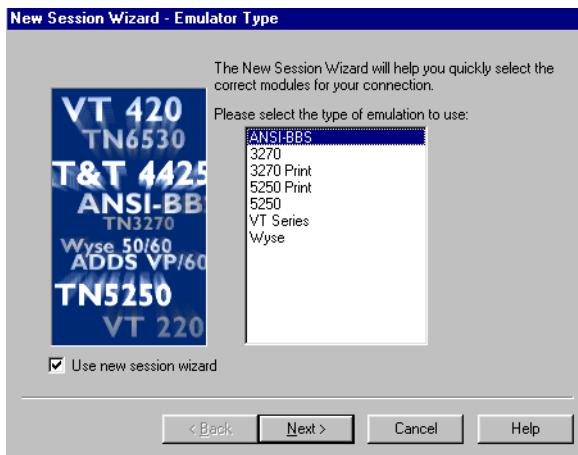
- 1 Click the **Start** button, **Programs, Dynacomm Connectivity Series, Dynacomm Connectivity Series**.

*The DynaComm Connectivity Series window is displayed.*



- 2 Click the **New** button on the toolbar.

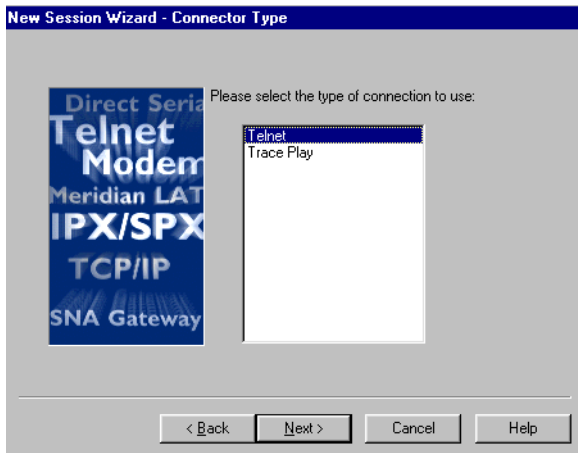
The *New Session Wizard - Emulation Type* dialog box is displayed.



*New Session Wizard - Emulator Type*

- 3 Select the emulation type, then click **Next**.

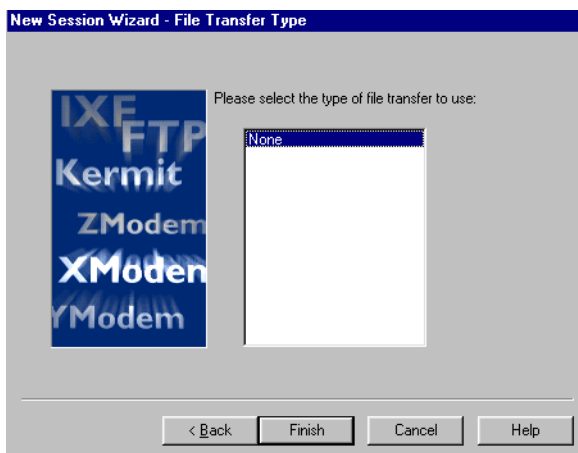
The *Connector Type* dialog box is displayed.



*New Session Wizard - Connector Type*

- 4 Select the connection type, then click **Next**.

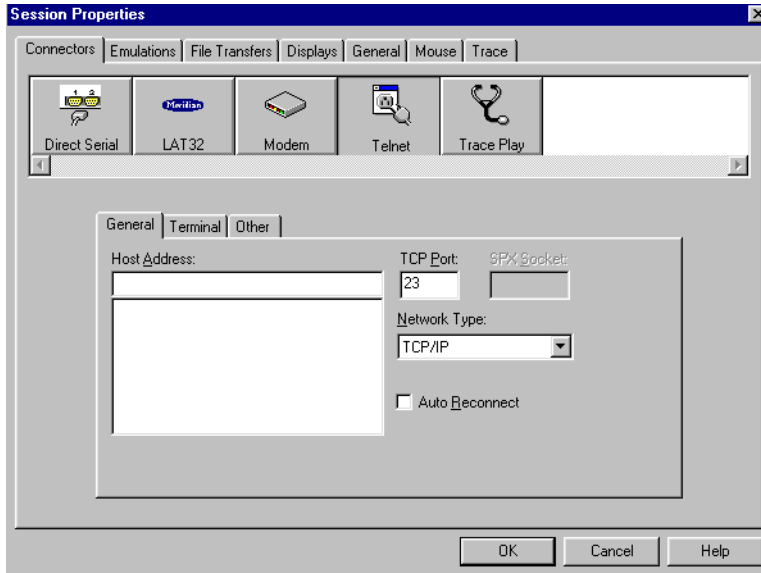
The *File Transfer Type* dialog box is displayed.



*File Transfer Type*

- 5 Click **Finish**.

The Session Properties screen is displayed.



Session Properties

- 6 In the General tab, indicate the host address, TCP Port and network type.
- 7 Click **OK**.

The session begins and a connection is established.

**Note:** If you close a session without saving it, the session configuration properties will not be retained.

**TO SAVE A SESSION:**

- 1 Click **File, Save As**.
- 2 Save the session in your D: drive.

**Note:** All user data, scripts and sessions should be stored on your D: drive.

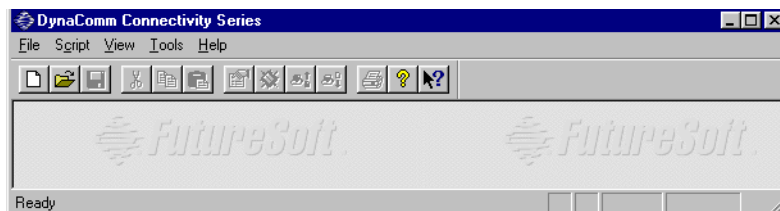
## VT Series

VT Series (Digital VT-52, 100, 102, 220, 320 and 420) are terminal emulation programs which allow your NetXpress thin client to access Unix-based systems using TCP/IP.

**TO CONFIGURE A CONNECTION IN VT SERIES TERMINAL EMULATION SESSION:**

- 1 Click the **Start** button, then click **Programs, Dynacomm Connectivity Series, Dynacomm Connectivity Series**.

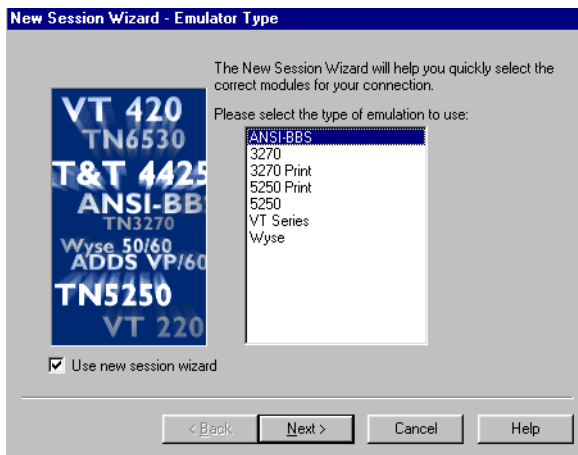
The DynaComm Connectivity Series window is displayed.



DynaComm Connectivity Series

- Click the **New** button on the toolbar.

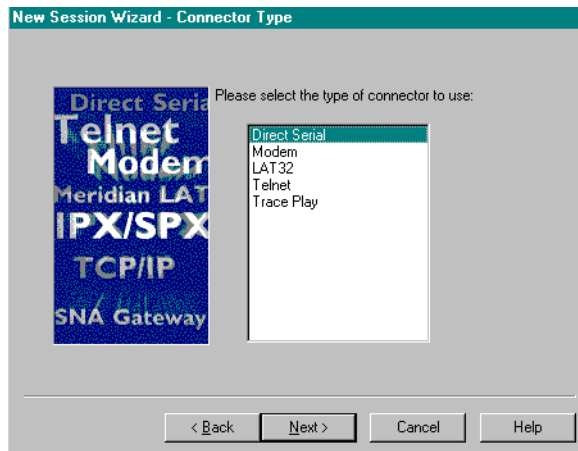
The *New Session Wizard - Emulation Type* dialog box is displayed.



*New Session Wizard - Emulator Type*

- Select the VT Series, then click **Next**.

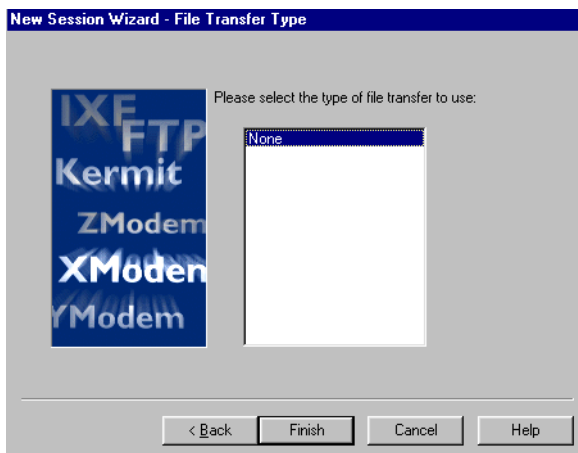
The *Connector Type* dialog box is displayed.



*Connector Type*

- Select the connection type, then click **Next**.

The *File Transfer Type* dialog box is displayed.



*File Transfer Type*

- Click **Finish**.

**TO SAVE A SESSION:**

- 1 Click **File, Save As**.
- 2 Save the session in your D: drive.

**Note:** All user data, scripts and sessions should be stored on your D: drive.

# Getting Started with the Opera Web Browser

Opera is a World Wide Web client, i.e. a program for retrieving information on the World Wide Web via documents created with the HyperText Markup Language (HTML). Opera was designed from scratch and does not use code based on NCSA Mosaic. The advantages for you are obvious: no unnecessary overheads, no bloat, no speed compromise—only the latest programming techniques and expertise, resulting in fast, stable code that, unlike many competitors, adheres to the HTML standards set by the World Wide Web Consortium (W3C).

What makes Opera so different is the combination of small size, speed of loading both Internet and local HTML documents, versatility in loading and displaying webpages, its many customization options, and its sheer functionality.

Through its unique features, Opera can help you save precious online time and avoid frustration, particularly when you are on the road. (Opera Software, 1999)

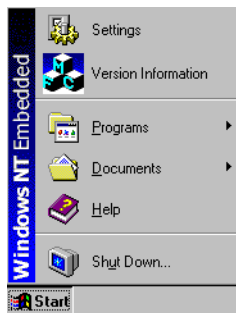
For more information about Opera, visit the Opera website ([www.opera.com](http://www.opera.com)).

## Starting Opera

### TO START THE OPERA WEB BROWSER:

- 1 Click the **Start** button.

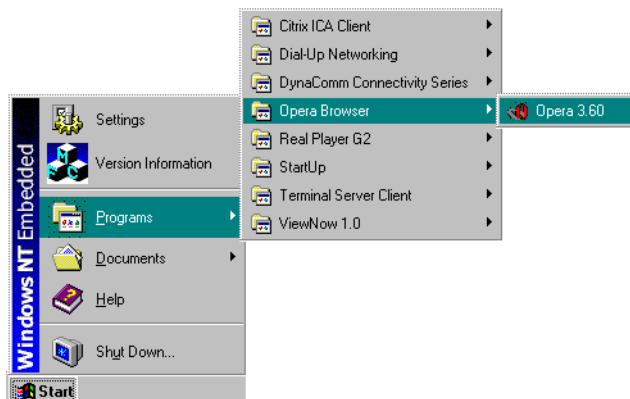
*The Start menu is displayed.*



*Start Menu*

- 2 Click **Programs, Opera Browser**.

*The Opera 3.60 menu is displayed.*



*Opera Menu*

- 3 Click **Opera 3.60**.

*The Opera browser is displayed.*










## Understanding Opera's Functionality






Opera's intuitive, user-friendly interface ensures a trouble-free Internet browsing working environment through your NetXpress thin client.

The following sections describe the two functions you interact with most when using Opera: the button bar and the address bar.

### USING OPERA'S BUTTON BAR

The following table describes the functionality of each button included on the Button Bar after a web page is loaded into Opera:

Click:	To:
	Open a new, empty window. The cursor is placed in the status bar for you to enter an Internet address (i.e., <a href="http://www.netier.com">http://www.netier.com</a> .)
	Open new document. This function is disabled.
	Save to disk. This function is disabled.
	Print the current document.  <b>Note:</b> You must have a local or network printer installed in order to print. The local printer must be configured in order for you to print. If a printer is not configured on your NetXpress thin client, contact your system administrator.
	Copy marked text. The text can be pasted into a text editor; however, in order to perform this you must first mark the text by clicking and dragging over the desired text. Text can be copied from the document window or from the address field at the top of the document window.
	Search in the active window for text or a word. You can search both up and down, and the search continues to the end of the document.
	Browse backwards in the document window's history.
	Reload the document in the active document window. Reloading prompts Opera to regenerate the page. This is especially helpful if a page has not loaded completely due to a lost or unstable Internet connection.  <b>Note:</b> You can also press <b>F5</b> , <b>CTRL-R</b> or select <b>Reload</b> from the right-click menu.
	To browse forward in the document window's history.

	<p>To retrieve the document selected as the homepage. If a homepage is defined for the local window, it is automatically displayed. If not, the global homepage is displayed.</p>
	<p>To directly type the address of a document for Opera to retrieve on the Internet.</p> <p><b>Note:</b> You can also type the address directly into the address window.</p>
	<p>To open the currently active sub-folder of the hotlist. The top menu entries provide functionality for adding and retrieving bookmarks. The hotlist button is similar to Bookmarks in Netscape or Favorites in Internet Explorer.</p>
	<p>To place the document windows so that they can all be displayed without overlapping each other.</p>
	<p>To position the document windows so that they overlap each other in a cascading form.(Opera Software, 1999)</p>

## USING OPERA'S ADDRESS BAR

Through Opera's address bar you can monitor security settings, toggle loading of images, toggle document settings, type an Internet address in the address field and adjust document zoom/scaling.

## SECURITY

Opera provides security and privacy by using the SSL Internet protocol. This protocol allows the user (you) and the server to send and receive data and be (reasonably) sure that the data has not been tampered with (security), and without anyone that eavesdrops on the transmission understanding what has been transmitted (privacy). One or both sides of the communication can be identified.



**Note:** The protocol DOES NOT provide any kind of information currently believed to be admissible in a court.

Opera implements this protocol for HTTPS (HTTP with Secure Sockets Layer (SSL) and Transport Layer Security (TLS)). Any document that must be loaded with this protocol has a URL beginning with https:.

SSL prevents eavesdropping by encrypting the data that is sent between you and the server. The keys used for this process are made using information swapped between you and the server using Public Key Methods and public key certificates.



Both the SSL version 2 and SSL version 3 are implemented. This means that Opera is compatible with all HTTP with SSL servers presently available. It supports so-called RSA key exchange and the C2, C4, DES and 3DES encryption methods, of which one or more are used by all HTTPS servers. (C2 and C4 are compatible with the RC2 and RC4 encryption methods).

**Note:** If you need to control certain security measures through Opera, please contact your system administrator for assistance.

If the following icon is displayed on the address bar...	then...
	no security measures are being taken on the current document.
	security measures are in place for the current document.



### TOGGLE LOADING OF IMAGES

At times, some web sites may contain too many images on a document and take too long to download. Opera allows you to select whether you want to view web pages with images or without. This feature can save you a lot of time by not downloading large images from the Internet, but still provide you the text to read.

If the following icon is displayed on the address bar...	then...
	images are displayed on the current document.
	images are not displayed on the current document.

## TOGGLE DOCUMENT SETTINGS

Documents on the Internet are configured to meet customized settings by the document developer (i.e., font size and type, hyperlink color, and background color). Opera allows you to override these pre-configured settings and view the document via Opera's default settings. This is especially helpful if a developer uses an annoying background color that conflicts with the type of font being used, or if the developer uses a hyperlink color that blends with the rest of the font in the sentence or paragraph.

If the following icon is displayed on the address bar...	then...
	the document is displayed using the document developer's document settings.
	the document is displayed using Opera's default document settings.

## ADDRESS FIELD


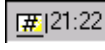



Opera displays the address field so you can quickly type an Internet address to display a desired document.

### TO GO TO AN INTERNET ADDRESS VIA THE ADDRESS WINDOW:

- 1 Double-click the address window.  
*The current address is highlighted.*
- 2 Type the Internet address of the document you wish to view.
- 3 Press **Enter**.  
*The document is displayed.*

## ADDRESS WINDOW DURING LOADING


If you type an Internet address in the address window and press Enter, or click on a hyperlink, the address bar changes and displays the Stop button and loading information. Loading information consists of the following:

	Percentage of the document loaded so far
	The number of images found on the document
	The number of kilobits loaded so far
	The download speed rate in kilobits
	The amount of time the download has taken so far




*Loading Document Address Bar*

**Note:** The only clickable button on the loading address bar is Stop.

Click:	To:
	Stop the document from loading.

## ZOOM/SCALING

	Use the Zoom/Scale pull-down menu to select the zoom percentage of the active document. Opera can scale documents from 20 - 1000%
---	---

## CONFIGURING PLUG-INS IN OPERA

Opera supports most Netscape Compatible Plug-ins.

Refer to the Rapport software documentation for information about configuring plug-ins in Opera.

# Configuring Proxy Settings

## Configuring Opera Browser Proxy Settings

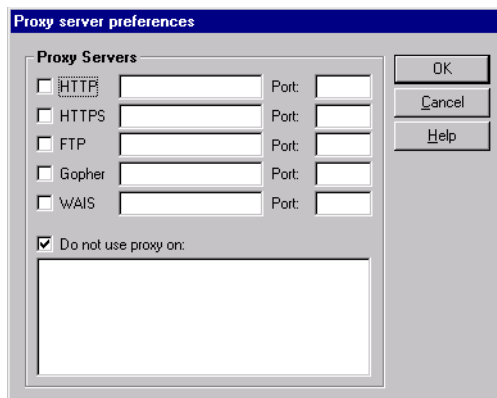
A proxy server is a server which retrieves documents on command directly from the Internet. Your network may be configured so the NetXpress thin client must connect through a proxy server to receive information from the Internet. The advantage with a proxy server is that it caches documents and saves them in a cache directory for faster future retrieval and provides security from unauthorized access. In addition, it protects the client from connections initiated outside the network.

**Note:** Opera has no direct support for the WAIS and Gopher protocols, but needs to use a proxy server to retrieve documents from those types of server.

### TO CONFIGURE BROWSER PROXY SERVERS:

- 1 In the Opera browser, click **Preferences**, then select Proxy Servers.

*The Proxy server preferences dialog box is displayed.*



*Proxy Server Preferences (Opera)*

- 2 Select **HTTP** and type in the proxy server.
- 3 Type the proxy port in **Port:** (normally port 80).
- 4 Click **OK**.

## Configuring RealPlayer Proxy Settings

RealPlayer® allows NetXpress users to view RealAudio and RealVideo files from the Internet. If the NetXpress thin client accesses the Internet via a proxy server, you can configure the RealPlayer proxy settings through RealPlayer Preferences.

### TO CONFIGURE REALPLAYER PROXY SETTINGS:

- 1 Double-click **RealPlayer G2**.

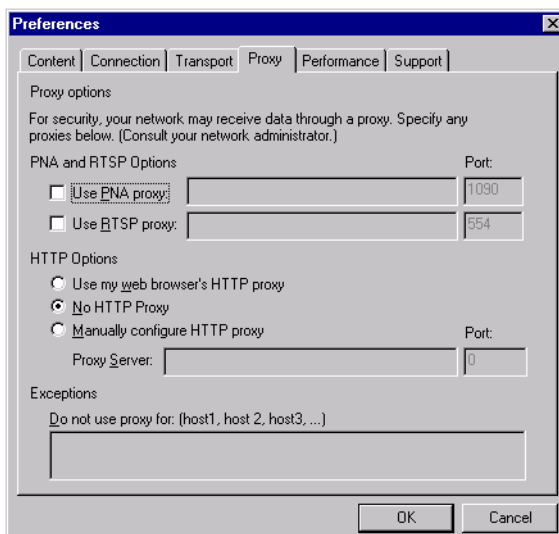
*The Preferences dialog box is displayed.*



*Preferences*

- 2 Click **Proxy**.

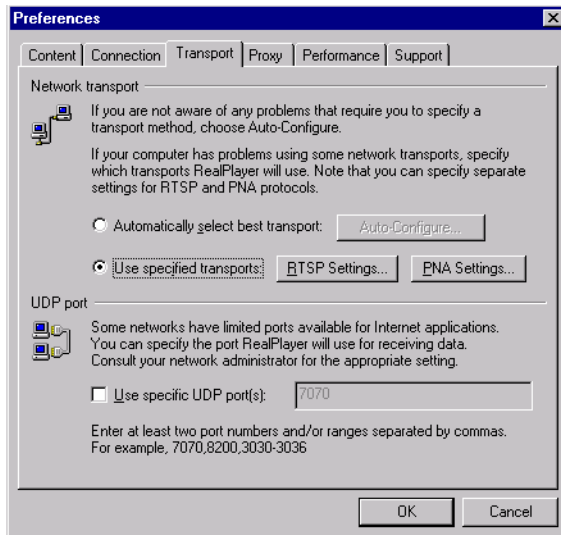
*The Proxy tab is displayed.*



*Proxy Tab*

**Note:** It is recommended not to configure PNA or RTSP proxy settings unless your network specifically utilizes this type of proxy server. The NetXpress is set to use HTTP proxy by default.

- 3 To use the proxy settings configured through Opera, select **Use my web browser's HTTP proxy**. See "Configuring Opera Browser Proxy Settings" on page 40 for more information on setting the Opera browser proxy settings.
- 4 Select **No HTTP Proxy** if you are not using HTTP proxy.
- 5 Select **Manually configure HTTP Proxy** to type a specific proxy IP address.  
*The Proxy Server field is activated.*
- 6 Type the proxy IP address and port number in **Proxy Server** and **Port**.
- 7 Click **Transport**.  
*The Transport tab is displayed.*



Transport Tab

- 8 By default, the NetXpress thin client uses HTTP proxy. It is recommended you keep the default configuration in the Transport tab.

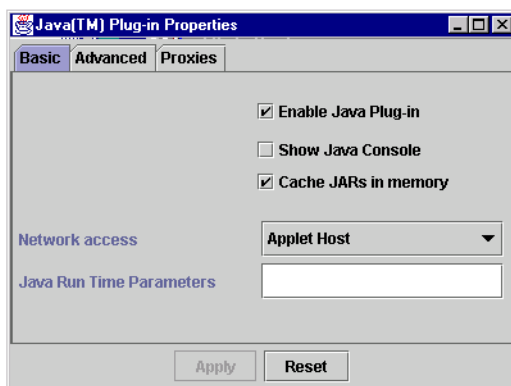
## Configuring Java Proxy Settings

You can configure Java proxy settings if the NetXpress thin client is configured to access the Internet via a proxy server.

**Note:** Configuring Java proxy settings automatically configures Virtual Machine proxy settings.

### TO CONFIGURE JAVA PROXY SETTINGS:

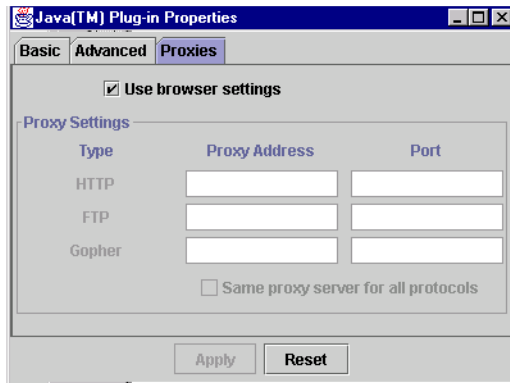
- 1 From the **Start** menu, click **Programs** and select **Java Plug-in Control Panel**.  
*The Java Plug-in Properties dialog box is displayed.*



Java Plug-in Properties

**2 Click Proxies.**

*The Proxies tab is displayed.*



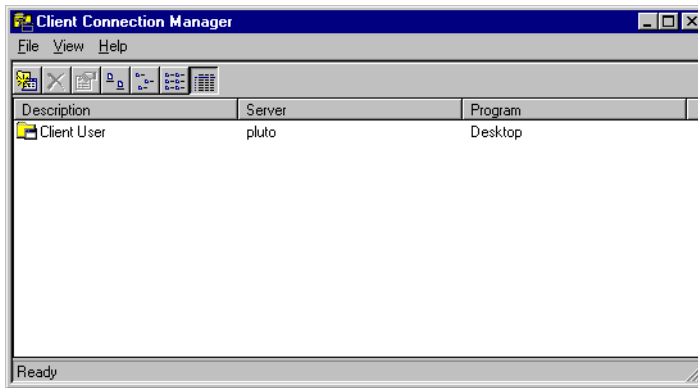
*Proxies Tab*

- 3** To use the proxy settings configured through Opera, select **Use browser settings**. See "Configuring Opera Browser Proxy Settings" on page 40 for more information on setting the Opera browser proxy settings.
- 4** To type the proxy IP address in clear **Use browser settings**.
- 5** The Proxy Settings fields are activated.
- 6** Type the HTTP proxy IP and Port number in their respective fields.
- 7** Click **Apply**.

# Configuring a Connection in Terminal Server Client Connections

## TO CONFIGURE A NEW CONNECTION USING TERMINAL SERVER CONNECTION MANAGER:

- 1 Click the **Start** button, **Programs, Terminal Server Client** and select **Connection Manager**.  
*The Client Connection window is displayed.*



*Terminal Server Client Connection Manager*

The Terminal Server Client Connection Manager main window contains a list of the configured user entries used to establish a connection to a Windows NT 4.0 Terminal server. In the above example there are no entries displayed because none are configured.

## TO CONFIGURE A CONNECTION IN THE CLIENT CONNECTION MANAGER:

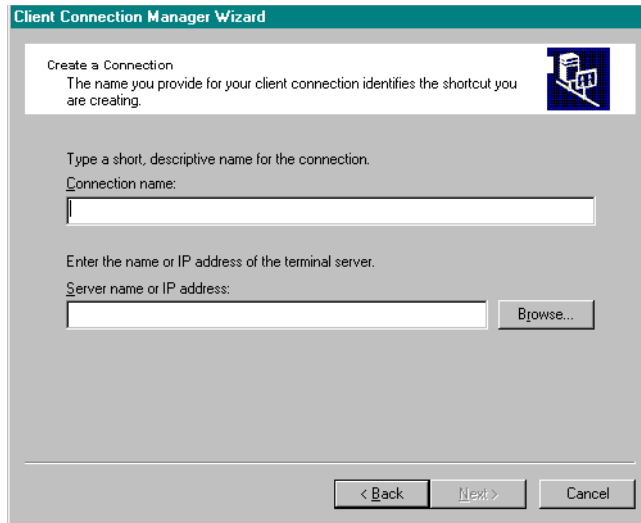
- 1 From the *File* menu click **New Connection**.  
*The Client Connection Manager wizard window is displayed.*



*Client Connection Manager*

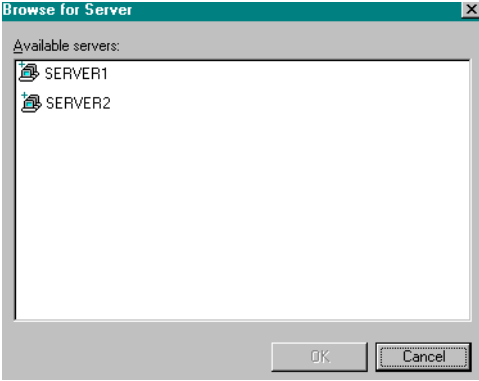
**2 Click Next.**

*The next screen of the wizard is displayed.*



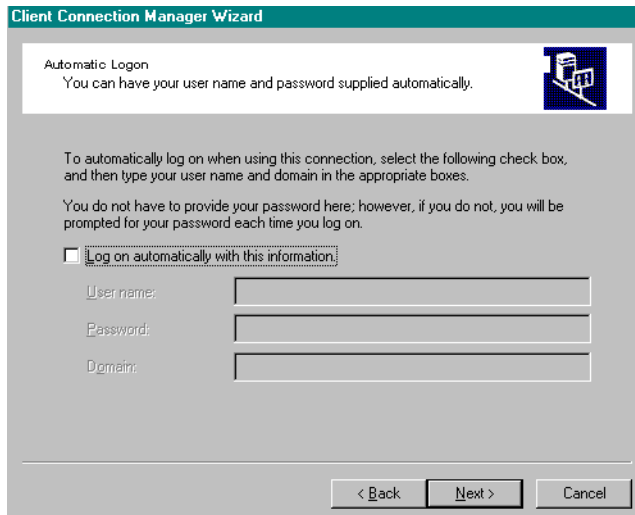
*Client Connection Manager*

**3 Type a description for the connection in Connection Name:.**

4	If...	then...
	you know the name or IP of the server to which you want to connect	type the name or IP address in the Server Name or IP Address: field
	you need to browse for the server name or IP address	<p><b>1 Click Browse.</b></p> <p><i>The Browse for Server dialog box is displayed.</i></p>  <p><i>Browse for Server</i></p> <p><b>2 Select the server you want, then click OK.</b></p>

**3 Click Next.**

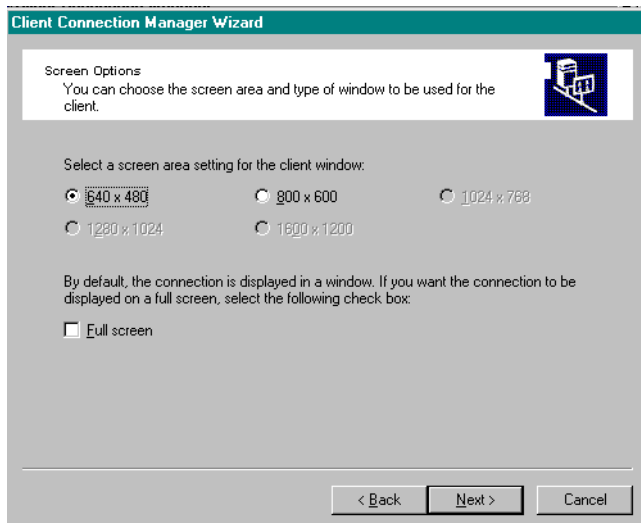
*The next screen of the Client Connection Manager wizard is displayed.*



*Client Connection Manager*

4	If...	then...
	you want the user to automatically log on to the server	<ol style="list-style-type: none"> <li>1 Select <b>Log on automatically with this information</b>.</li> <li>2 Type the user's username, password and domain, then click <b>Next</b>.</li> </ol>
	you want the user to be prompted for their username and password each time they log in	<ol style="list-style-type: none"> <li>1 Do not select Log on automatically with this information.</li> <li>2 Click <b>Next</b>.</li> </ol>

The next screen of the Client Connection Manager wizard is displayed.



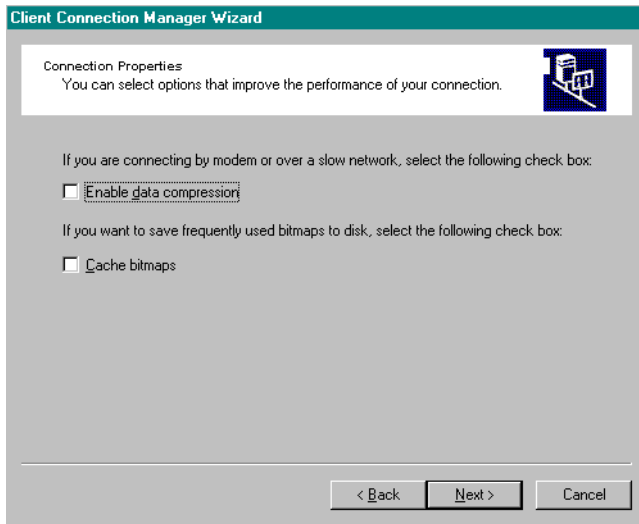
Client Connection Manager

- 7 Configure the Window size and full screen options as necessary.

**Note:** The display settings have to be set to accommodate Window size settings. See “Configuring Display Settings” on page 82 for more information.

**8 Click Next.**

The next Client Connection Manager wizard window is displayed.

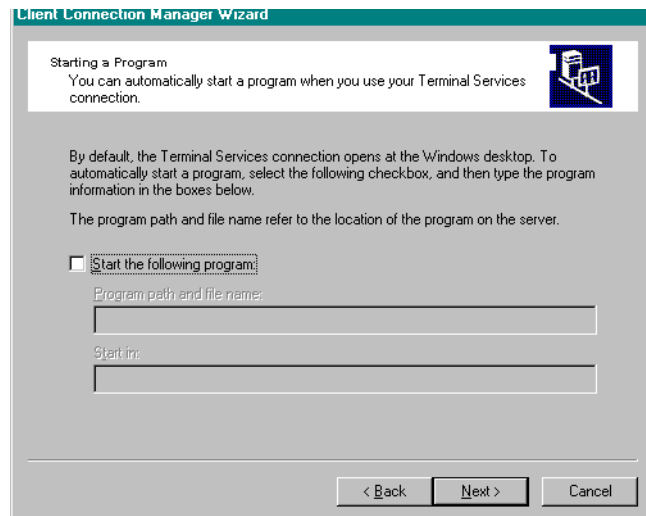


Client Connection Manager

9	If...	then...
	the user is connecting by modem or over a slow network,	select Enable data compression.
	the user will frequently save bitmaps to disk,	select Cache bitmaps.

**10 Click Next.**

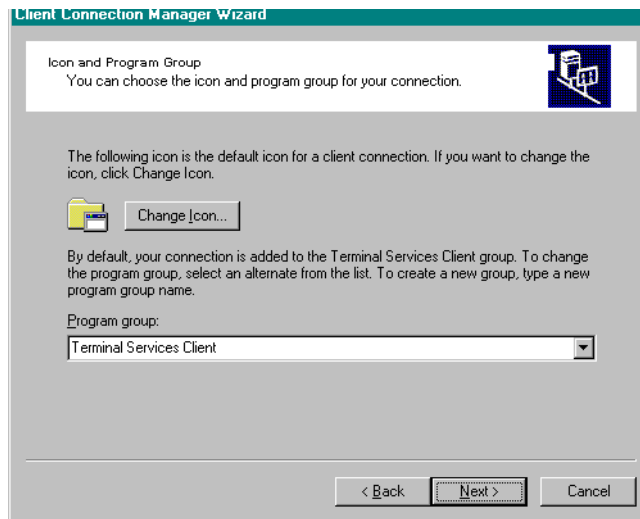
The next Client Connection Manager wizard window is displayed.



Client Connection Manager

11	If...	then...
	you want the Terminal Services connection to open at the Windows desktop	click <b>Next</b> .
	you want the Terminal Services connection to automatically open a particular program	<ol style="list-style-type: none"> <li>1 select Start the following program.</li> <li>2 Type the path and file name, then type the name of the program the Terminal Services connection should start in.</li> <li>3 Click <b>Next</b>.</li> </ol>

The next Client Connection Manager wizard window is displayed.

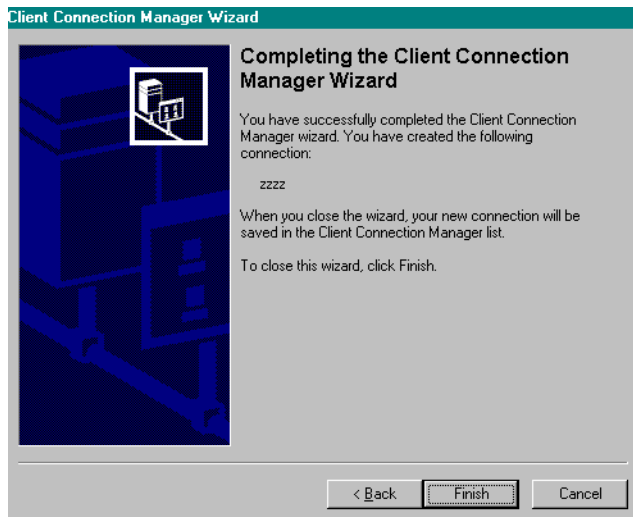


Client Connection Manager

12	If...	then...
	you want to change the default icon for the Client Connection Manager	<ol style="list-style-type: none"> <li>1 click <b>Change Icon</b>.</li> <li>2 Select the file name, then select the icon.</li> <li>3 Click <b>OK</b>.</li> </ol>
	you want to keep the default icon for the Client Connection Manager	go to step 13.

13	If...	then...
	you want to change the program group to which the Client Connection Manager is added	<ol style="list-style-type: none"> <li>1 Click the down arrow in Program group, then select the program group.</li> <li>2 Click <b>Next</b>.</li> </ol>
	you want the Client Connection Manager to be added to the default program group	click <b>Next</b> .

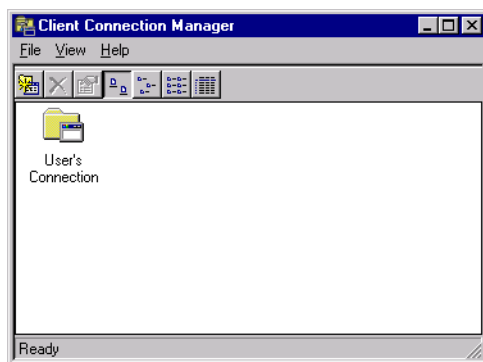
The final Client Connection Manager wizard window is displayed.



Client Connection Manager

**14** Click **Finish**.

The user's connection is displayed in the Client Connection Manager.



Client Connection Window

## Configuring X OnNet Control Panel

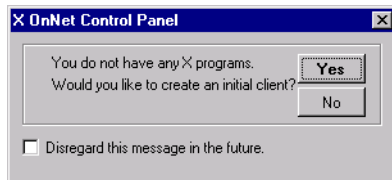
X OnNet allows you to run network-based UNIX programs with Windows applications on your NetXpress thin client. You configure X OnNet to connect to X programs for your users using the X OnNet Control Panel.

For more information about X OnNet, refer to the X OnNet documentation.

### TO CONFIGURE AN X PROGRAM CONNECTION USING X ONNET CONTROL PANEL:

- 1 Click the **Start** button, **Programs, XOnNet** and select **Control Panel**.

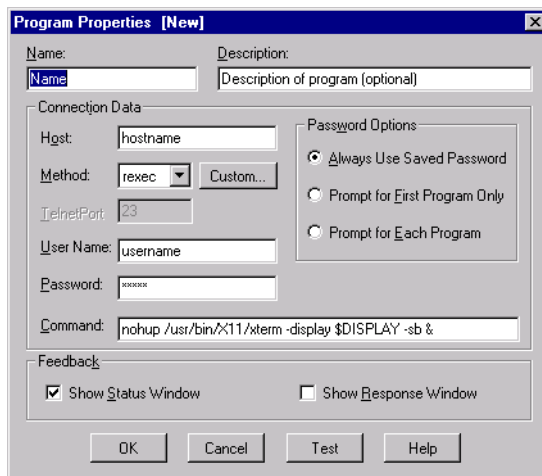
*The X OnNet Control Panel confirmation window is displayed.*



*X OnNet Control Panel*

- 2 Click **Yes**.

*The Program Properties (New) dialog box is displayed.*

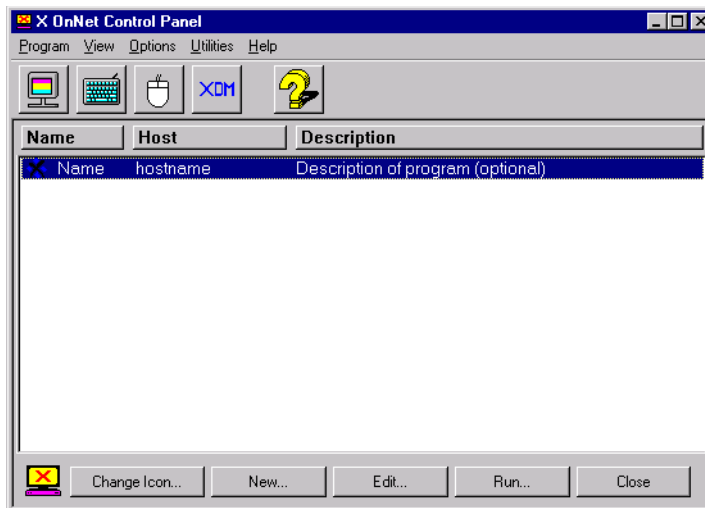


*Program Properties (New)*

- 3 Type the name and description of the connection in **Name:** and **Description:**.
- 4 Select the appropriate password option.
- 5 Configure the connection as needed. Contact your Unix Administrator for more information on how to set up **Host**, **Method** and **Command**.
- 6 Type the username and password in **User Name:** and **Password:**.
- 7 Select **Show Status Window** if you want the user to view the connection status while logging on to the session.
- 8 Select **Show Response Window** if you want the user to view the session response window while logging on to the session.

**9** Click **OK**.

*The session icon is automatically added to the X OnNet Control Panel.*



*X OnNet Control Panel*

**10** Double-click the session icon to begin the session.

# Using Citrix Program Neighborhood

## What is the Citrix Program Neighborhood?

The Citrix Program Neighborhood Client is the Citrix ICA Client Software you use to configure the NetXpress to start published applications available on Citrix WinFrame or MetaFrame servers. Once configured properly, the Program Neighborhood displays all authorized published applications accessible on the **server farm** (A server farm is a group of ICA servers identified and administered as a unit). Published Applications are installed on and run from a Citrix server rather than the NetXpress thin client.

As a system administrator you are responsible for configuring the Citrix Program Neighborhood software that is installed on each NetXpress thin client to connect to the network server.

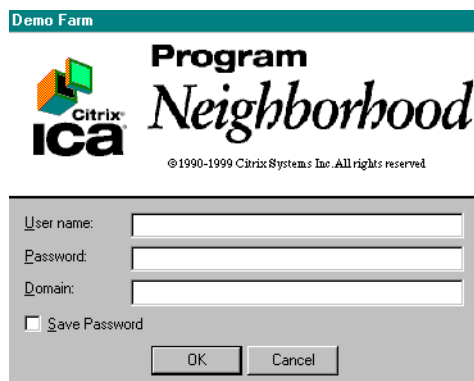
## The First Time You Launch Program Neighborhood

### LAUNCHING CITRIX PROGRAM NEIGHBORHOOD

The first time you launch Program Neighborhood, you will be prompted to logon.

- 1 From the Start menu, click **Programs, Citrix ICA Client, Citrix Program Neighborhood**.

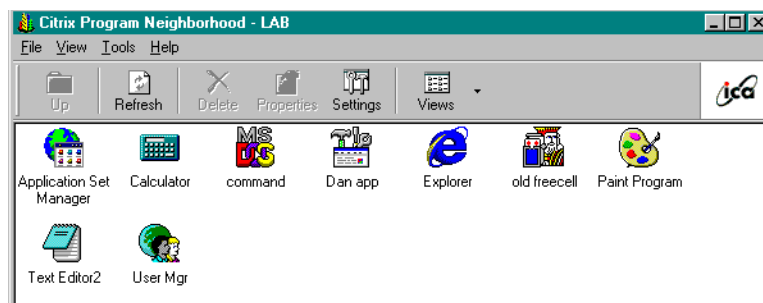
*The logon window is displayed.*



*Logon*

Type your user name, password and Domain name, then click **OK**.

*The available applications are displayed.*



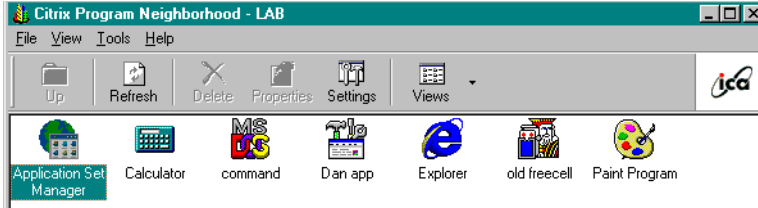
*Available applications*

### SERVER FARM AUTO-CONFIGURATION

The first time you launch Citrix Program Neighborhood, it will autoconfigure your server farm so that icons and start menus configured on your farm will appear on the desktop. For more information, consult the MetaFrame or WinFrame 1.8 server documentation.

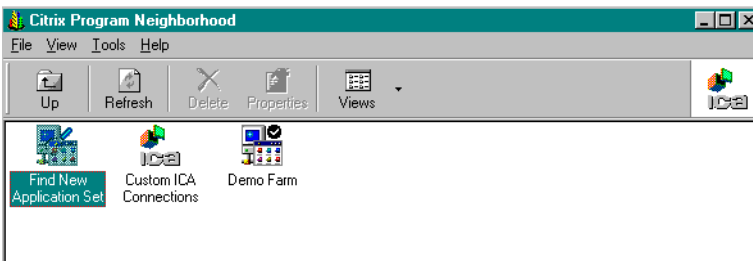
## CHANGING THE SERVER FARM SETUP

TO MANUALLY CONFIGURE A NEW APPLICATION SET:



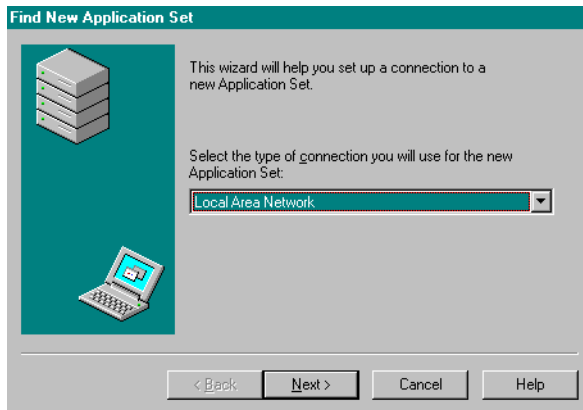
*Application Set Manager*

- 1 In the server farm you want to manually configure, double-click the Application Set Manager icon.  
*The Find New Application Set icon is displayed.*



*Find New Application Set icon*

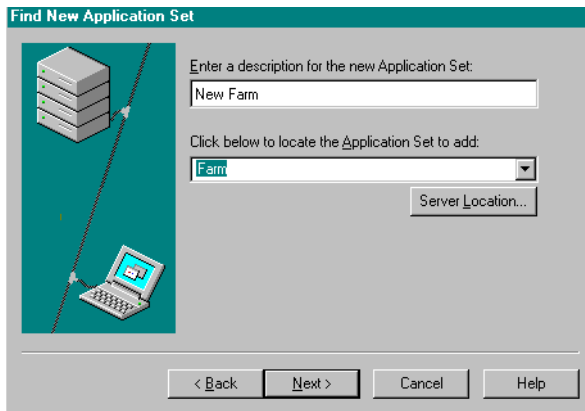
- 2 Double-click the Find New Application Set icon.  
*The Find New Application Set wizard is displayed.*



*Find New Application Set wizard*

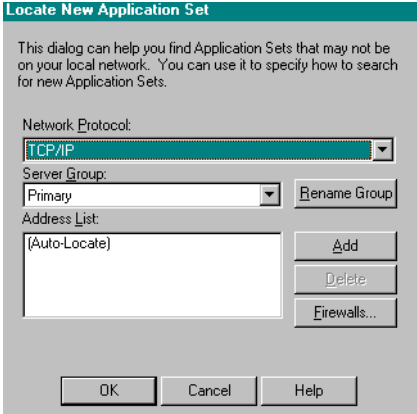
3 Select the correct connection, then click **Next**.

*The next screen of the wizard is displayed.*



*Find New Application Set Wizard*

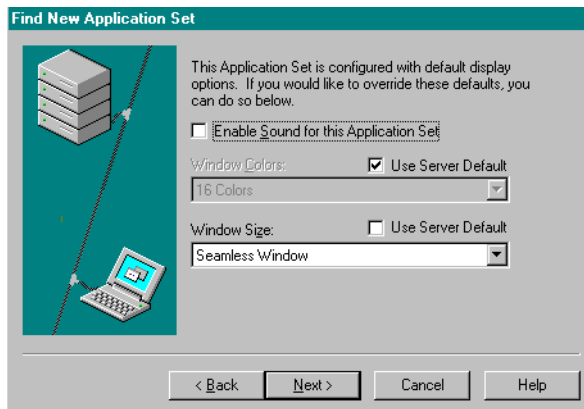
4 Type the description for the new application set.

5	If...	then...
	The application set you want is located on your local network	type the location for the new application set, or click the down arrow to choose from the list.
	the application set you want is not located on your local network	<p>1 Click <b>Server Location</b>.</p> <p><i>The Locate New Application Set dialog box is displayed.</i></p>  <p><i>Locate New Application Set</i></p> <p>This dialog box contains the same fields and options as the bottom portion of the “settings dialog box” on page 57 (starting with step 2 under the To Change the Server Farm Setup procedure.). Refer to this section for more information.</p>

2 Type the location for the new application set, or click the down arrow to choose from the list.

**3 Click Next.**

*The next screen of the wizard is displayed.*

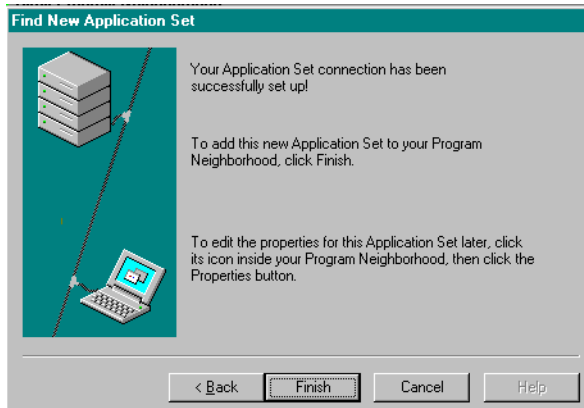


*Find New Application Set Wizard*

The default display options appear in this screen of the wizard.

**4 Make any changes, if necessary, then click Next.**

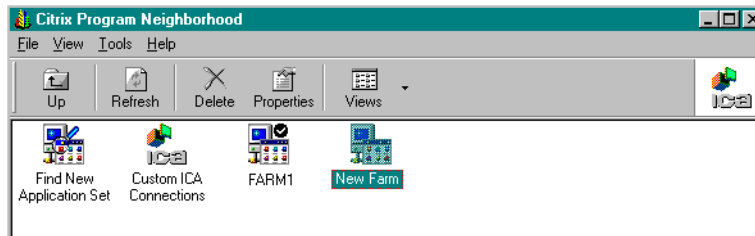
*The final screen of the Find New Application Set wizard is displayed.*



*Find New Application Set*

5 Click **Finish**.

The new application set icon is displayed in the Citrix Program Neighborhood window.

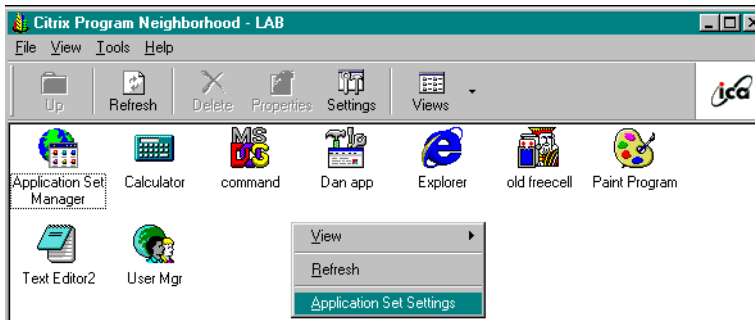


New application set

**TO CHANGE THE SERVER FARM SETUP:**

1 In the server farm whose settings you want to change, right click.

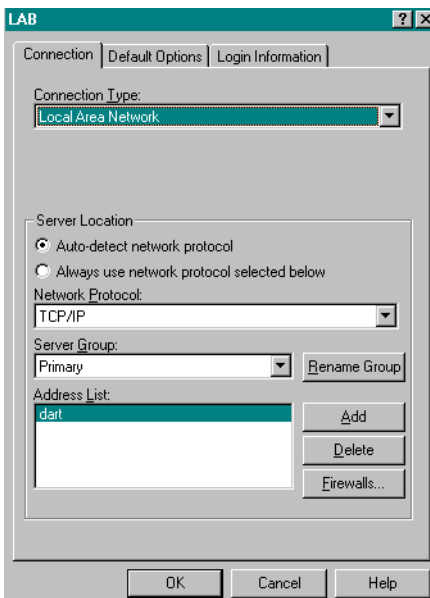
A short-cut menu is displayed.



Short-cut menu

2 In the short-cut menu, click **Application Set Settings**.

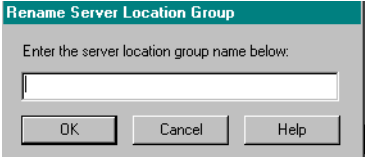
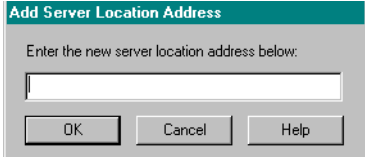
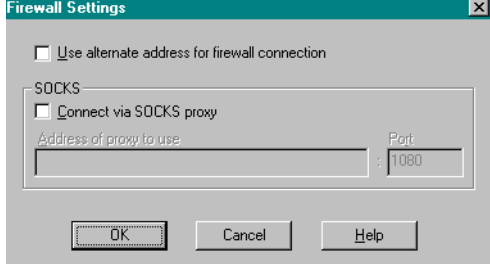
The application set's settings dialog box is displayed.



settings dialog box

3 In the Connection tab, make any necessary changes.

- **Connection Type:** choose the connection type
- **Server Location:** only TCP/IP network protocol is supported on NetXpress
- **Server Group:** you may change the server group (farm) name, and add or delete server location addresses

To...	do this...
<p>change server group (farm) name</p>	<ol style="list-style-type: none"> <li data-bbox="526 237 1195 359"> <p>In the server group field, select the server group, then click <b>Rename Group</b>.</p> <p><i>The Rename Server Location Group dialog box is displayed.</i></p>  <p><i>Rename Server Location Group</i></p> </li> <li data-bbox="526 590 976 621"> <p>Type the new name, then click <b>OK</b>.</p> </li> </ol>
<p>add a server location address</p>	<ol style="list-style-type: none"> <li data-bbox="526 646 1118 743"> <p>Next to the address list, click <b>Add</b>.</p> <p><i>The Add Server Location Address dialog box is displayed.</i></p>  <p><i>Add Server Location Address</i></p> </li> <li data-bbox="526 972 1183 1003"> <p>Type the new server location address, then click <b>OK</b>.</p> </li> </ol>
<p>delete a server location address</p>	<p>in the Address List list box, select the server location address to be deleted, then click <b>Delete</b>.</p>
<p>change firewall settings</p>	<ol style="list-style-type: none"> <li data-bbox="526 1113 1183 1209"> <p>In the Address List list box, select the server location address you want, then click <b>Firewalls...</b></p> <p><i>The Firewall Settings dialog box is displayed.</i></p>  <p><i>Firewall Settings</i></p> </li> <li data-bbox="526 1551 1089 1583"> <p>Configure the firewall settings, then click <b>OK</b>.</p> </li> </ol>

- 4 In the Default Options tab, make any necessary changes.
- 5 In the Login Information tab, make any necessary changes.

# Configuring Custom ICAs

## Configuring an ICA Connection to a Published Application

TO MANUALLY CONFIGURE AN ICA CONNECTION TO A PUBLISHED APPLICATION:

- 1 In the Citrix Program Neighborhood - Custom ICA Connections window, double-click the Application Set Manager icon.

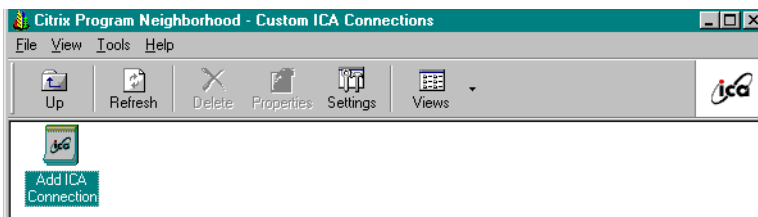
*The Find New Application Set, Custom ICA Connections and server farm icons are displayed.*



*Program Neighborhood*

- 2 Double-click the Custom ICA Connections icon.

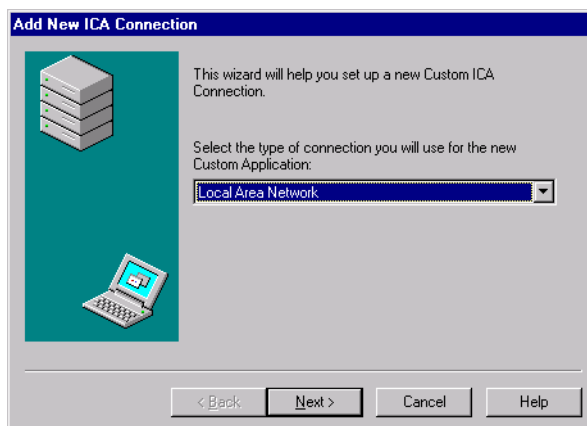
*The Add ICA Connection icon is displayed.*



*Add ICA Connection*

- 3 Double-click the Add ICA Connection icon.

*The Add New ICA Connection wizard is displayed.*

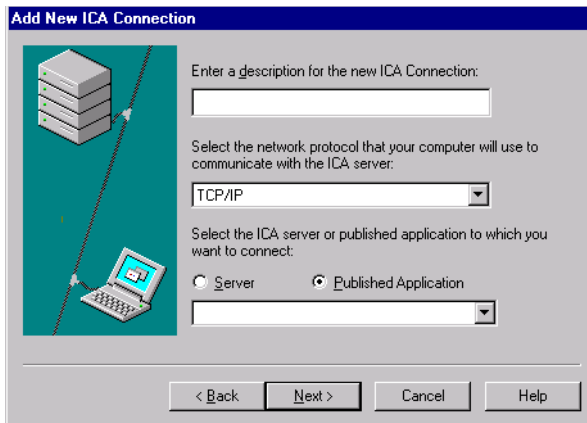


*Add New ICA Connection wizard*

- 4 Use the pull-down menu to select the type of connection for the new Custom Application.

5 Click **Next**.

The next screen of the Add New ICA Connection wizard is displayed.



Add New ICA Connection wizard

6 Type a description for the new application.

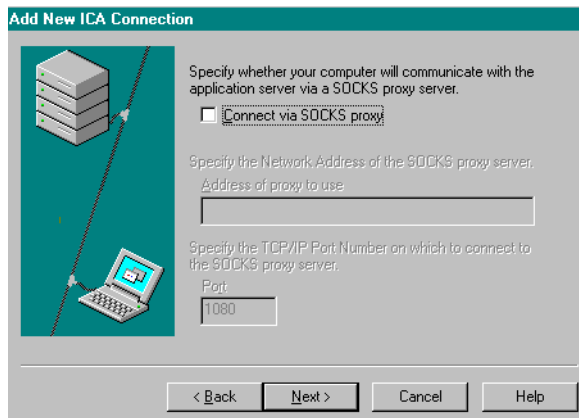
7 Use the pull-down menu to select the Network protocol the NetXpress is using to connect to the ICA server.

**Note:** Only TCP/IP network protocol is supported on NetXpress

8 Click **Published Application**, then use the pull-down menu to select the application.

9 Click **Next**.

The next screen of the wizard is displayed.

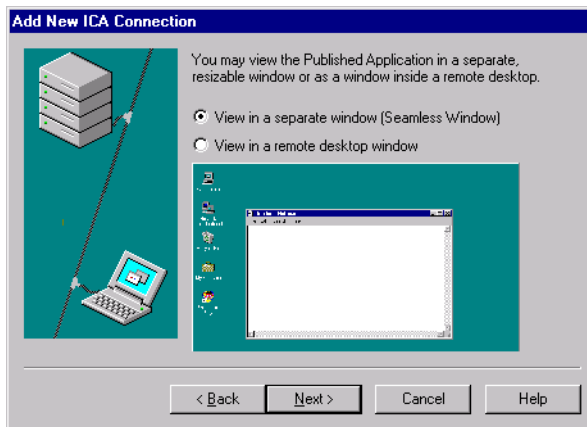


Add New ICA Connection wizard

10 If your computer uses a SOCKS proxy server, select Connect via SOCKS proxy, then type the proxy address and the TCP/IP port number. Otherwise, leave these fields blank.

**11 Click Next.**

The next screen of the Add New ICA Connection wizard is displayed.

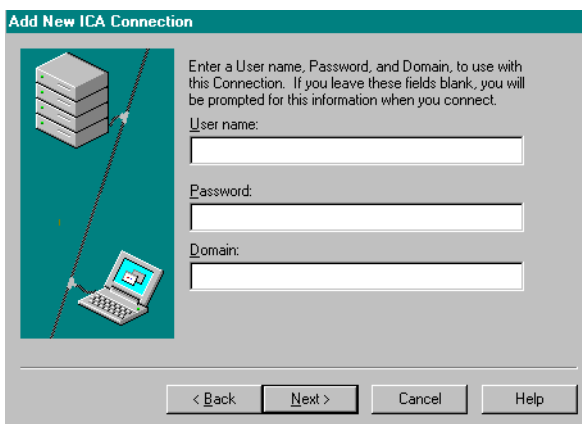


*Add New ICA Connection wizard*

**12 Select to open the Published Application in a separate window or view in a remote desktop window view.**

**13 Click Next.**

The next screen of the Add New ICA Connection wizard is displayed.



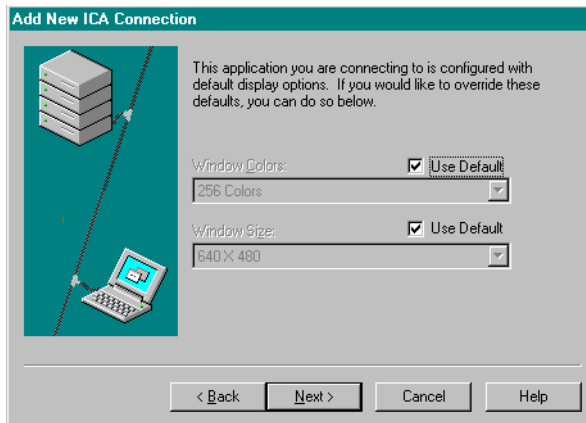
*Add New ICA Connection wizard*

**14 Enter a Username, Password and Domain for this connection. Leave these fields blank to prompt the user to enter a username and password each time the ICA Connection is opened.**

**15 Check **Save Password** to keep the user from typing a password each time the ICA Connection is opened.**

**16 Click Next.**

*The next screen of the Add New ICA Connection wizard is displayed.*

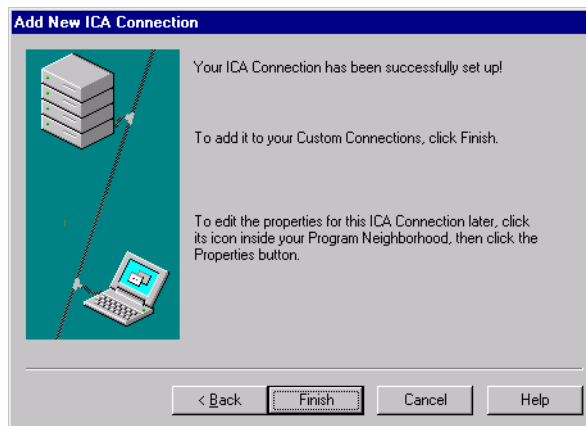


*Add New ICA Connection wizard*

**17 Clear the Use Default check boxes to configure Window Colors and Window Size. It is recommended to use the default settings for window colors and window size.**

**18 Click Next.**

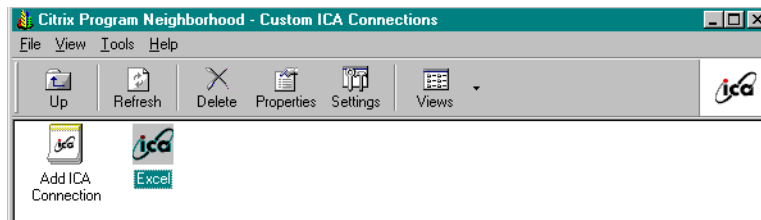
*The final screen of the Add New ICA Connection wizard is displayed.*



*Add New ICA Connection wizard*

**19 Click Finish.**

*The new Published Application is displayed in the Citrix Program Neighborhood - Custom ICA Connections window.*



*Citrix Program Neighborhood with New Published Application*

## CONFIGURING AN ICA CONNECTION TO A SERVER

TO MANUALLY CONFIGURE AN ICA CONNECTION TO A SERVER:

- 1 Double-click the Application Set Manager icon.

*The Find New Application Set, Custom ICA Connections and server farm icons are displayed.*



*Program Neighborhood*

- 2 Double-click the Custom ICA Connections icon.

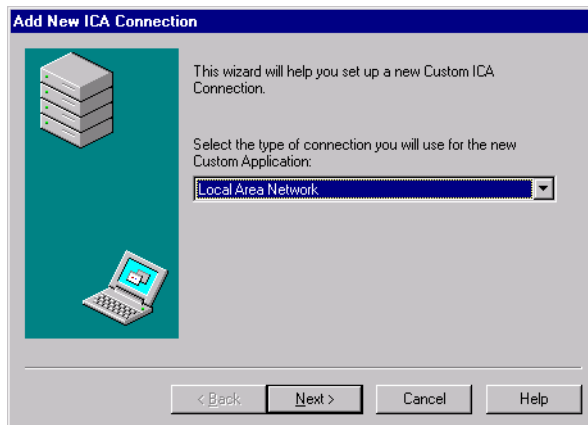
*The Add ICA Connection icon is displayed.*



*Add ICA Connection*

- 3 In the Citrix Program Neighborhood - Custom ICA Connections window, double-click the Add ICA Connection icon.

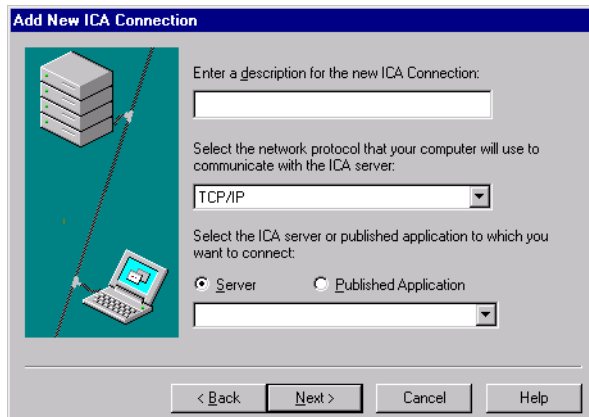
*The Add New ICA Connection wizard is displayed.*



*Add New ICA Connection wizard*

- 4 Use the pull-down menu to select the type of connection for the new Custom Application, then click **Next**.

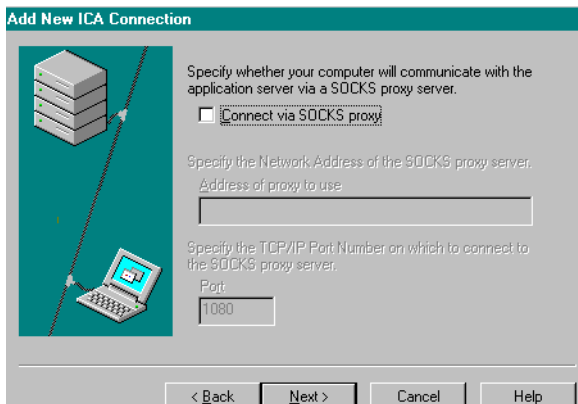
*The next screen of the Add New ICA Connection wizard is displayed.*



*Add New ICA Connection wizard*

- 5 Type a description for the new server connection.
- 6 Use the pull-down menu to select the Network protocol the NetXpress is using to connect to the ICA server.
- 7 Click **Server**, then click **Next**.

*The next screen of the Add New ICA Connection wizard is displayed.*

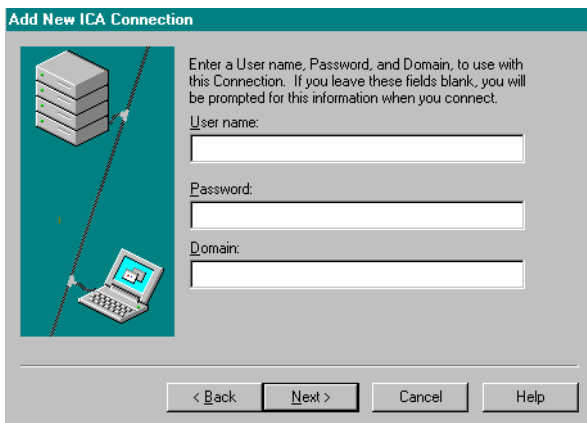


*Add New ICA Connection wizard*

- 8 If your computer uses a SOCKS proxy server, select **Connect via SOCKS proxy**, then type the proxy address and the TCP/IP port number. Otherwise, leave these fields blank.

**9 Click Next.**

*The next screen of the Add New ICA Connection wizard is displayed.*



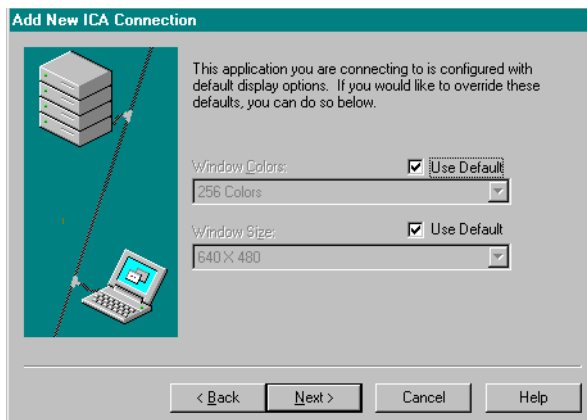
*Add New ICA Connection*

**10** Enter a Username, Password and Domain for this connection. Leave these fields blank if you want the user prompted to enter a username and password each time the ICA Connection is opened.

**11** Check **Save Password** to keep the user from typing a password each time the ICA Connection is opened.

**12 Click Next.**

*The next screen of the Add New ICA Connection wizard is displayed.*



*Add New Connection*

**13** Clear the **Use Default** check boxes to configure Window Colors and Window Size. It is recommended to use the default settings for window colors and window size.

**Note:** The Window Properties dialog specifies the window size (in pixels) that a remote application runs in and the number of colors displayed. The window size and color depth must be less than or equal to the screen resolution of the client computer. The embedded Windows NT client supports the Seamless Windows option. A seamless window is a sizable window on the local desktop.

**14 Click Next.**

*The next screen of the Add New ICA Connection wizard is displayed.*

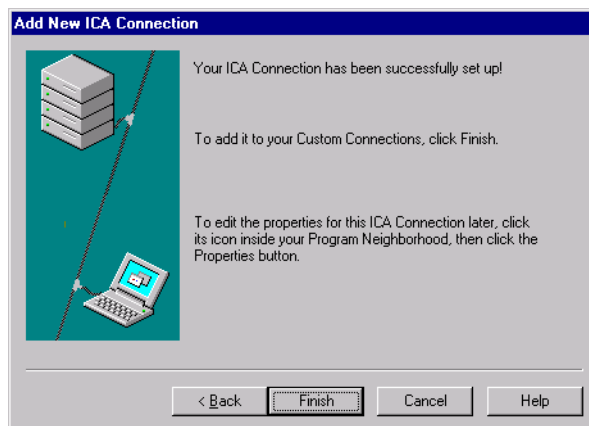


Add New Connection

15	If...	then...
	you want to specify the ICA Connection to open a particular application only,	type the filename of the application to run in the Application field, or click the Browse button to find the application you want.
	you want the user to have access to the Windows NT desktop,	leave these fields blank.

**16 Click Next.**

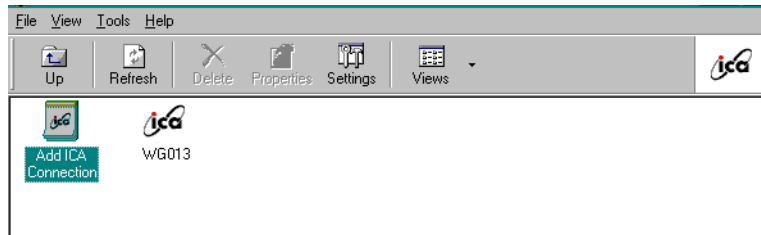
*The next screen of the Add New ICA Connection wizard is displayed.*



Add New Connection

### 17 Click Finish

The new ICA Connection is displayed in the Citrix Program Neighborhood - Custom ICA Connections window.



Citrix Program Neighborhood with New ICA Connection

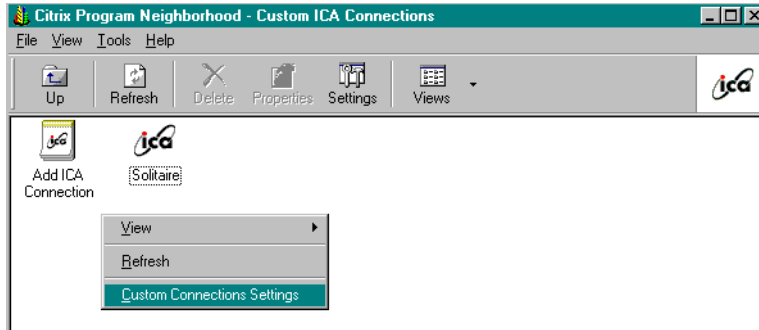
# Configuring ICA Connection Properties

Through the Citrix Program Neighborhood you can configure ICA Connection and Published Application settings and properties. These properties were initially set while the connection was created using the Add New ICA Connection Wizard.

## To CUSTOMIZE ICA CONNECTION SETTINGS:

- 1 Right-click in the Citrix Program Neighborhood - Custom ICA Connections window.

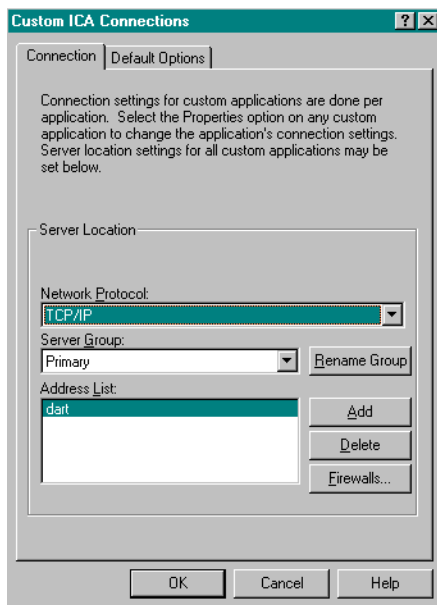
*A shortcut menu appears.*



*Shortcut menu*

- 2 In the shortcut menu, click **Properties**.

*The Custom ICA Connections Properties dialog box is displayed.*



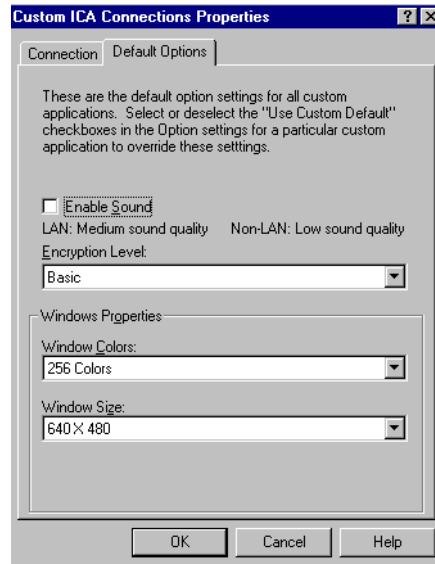
*Custom ICA Connections Properties*

3 In the Connection tab, configure connection settings.

- **Network Protocol field:** Indicates the network protocol used. Each protocol has its own separate server groups. The standard Embedded NT image only supports the TCP/IP protocol.
- **Server Group field:** The server location group can be renamed. Use the Rename Group button.
- **Address List:** You may add up to five ICA browsers per server group. Use the Add button to add addresses, and the Delete button to delete addresses.

4 To configure default options, click the Default Options tab.

*The Default Options tab is displayed.*



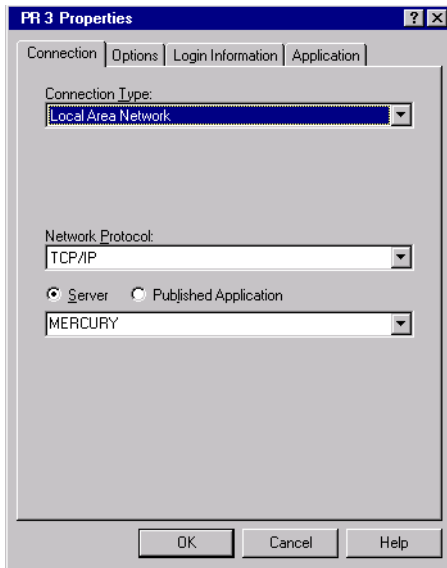
5 In the Default Options tab, configure default options.

- **Enable Sound field:** LAN connections provide medium quality audio compression, while non-LAN connections provide low quality audio compression
- **Encryption field:** Requires SecureICA
- **Window Size:** Only configurable on individual ICA connections to published applications

**TO CONFIGURE CONNECTION PROPERTIES:**

- 1 Click to select the ICA Connection or Program Application.
- 2 From the *File* menu select **Properties**.

*The Properties dialog box is displayed.*



*Properties*

**CONNECTION TAB**

From the Connection tab you can configure the following:

- Connection Type
  - Use the pull-down menu to select the connection type (LAN, WAN, DUN, ICA Dial-In)
- Network Protocol
  - Use the pull-down menu to select the TCP/IP protocol.
- Server or Published Application
  - Select the ICA server or published application the NetXpress thin client is connecting to. You can specify a server or published application by using the pull-down menu.

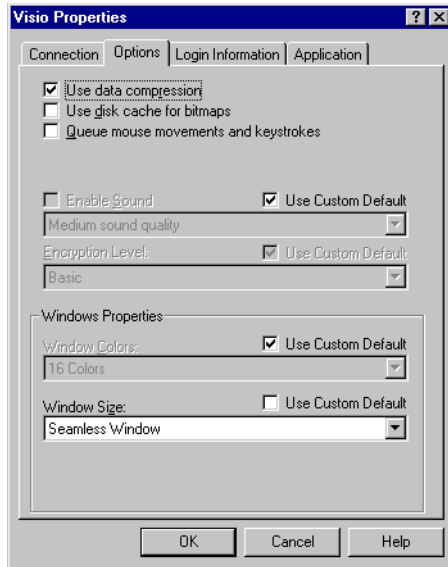
**Note:** You can also type the server IP address you are connecting to in this field.

## OPTIONS TAB

### TO CONFIGURE CONNECTION OPTIONS:

- 1 From the Properties dialog box select **Options**.

*The Options tab is displayed.*



#### *Options Tab*

From the Options tab you can configure the following:

- Use Data Compression
  - Select **Use data compression** to increase performance on bandwidth-limited connections. Data compression reduces the amount of data that needs to be transferred; however, additional processor resources are required to compress and decompress the data streams.
- Use disk cache for bitmaps
  - Select **Use disk cache for bitmaps** to store commonly-used graphical objects in a local disk cache on the client local hard disk. Enabling disk caching increases performance.
- **Note:** Disk caching is enabled by default when using dial-in connections.
- Queue mouse movements and keystrokes
  - Select **Queue mouse movements and keystrokes** to queue the mouse & keyboard transmission to be sent in bursts. This increases performance on low speed connections and increases lag and input responsiveness.
- Enable Sound
  - Only the custom default settings are available for this option.
- Encryption
  - Encryption level is not a configurable option.
- **Note:** Encryption is only available with Secure ICA.
- Windows Properties
  - Configure **Window Size** as needed. The Window Properties dialog specifies the window size (in pixels) that a remote application runs in and the number of colors displayed. The window size and color depth must be less than or equal to the screen resolution of the client computer. If the client computer is running the Win32 ICA client, the Seamless Windows option appears. A seamless window is a sizable window on the local desktop.

## LOGIN INFORMATION TAB

From the Login Information Tab you can configure the following options:

- Username, Password, Domain
  - Enter a Username, Password and Domain for this connection. Leave these fields blank to prompt the user to enter a username and password each time the ICA Connection is opened.
- Save Password
  - Check **Save Password** to keep the user from typing a password each time the ICA Connection is opened.

## APPLICATION TAB

From the Application tab you can only change the Icon the connection uses. Click **Change Icon** to select the desired icon.

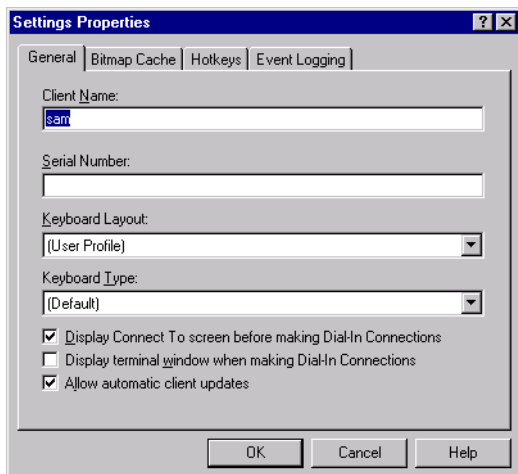
## SETTINGS PROPERTIES

From the Settings Properties dialog box you can configure the following:

- General Properties (client name, serial number, keyboard layout, keyboard type etc..)
- Bitmap Cache
- Hotkeys
- Event Logging

### TO CONFIGURE SETTINGS ICA PROPERTIES:

- 1 From the *Tools* menu select **ICA Settings**.



*ICA Settings Properties*

## GENERAL TAB

From the General tab you can configure the following:

- Client Name
  - You can change the client name of the computer which identifies resources (mapped printers, disk drives, profiles) associated with the NetXpress device. Each NetXpress device must have a unique client name.
- Serial Number
  - The Citrix ICA Client Software serial number is entered in this field only when the Citrix version of *PC Client Pack* is installed on the NetXpress thin client.

**Note:** This is only used to connect to Winframe 1.7.

- Keyboard Layout

- Use the pull-down menu to specify the keyboard layout for the NetXpress thin client. The default value is determined by the keyboard layout specified in the user's profile.
- Keyboard Type
  - Use the pull-down menu to specify the keyboard type needed for the NetXpress thin client. The user session for the keyboard type is determined by the Citrix server. Select **Default** to ensure the Citrix server recognizes the keyboard type that is connected to the NetXpress thin client.
- Select **Display Connect To screen when making Dial-In Connections** to display the **Connect To** screen when the user makes a Dial-In connection.
- Select **Display terminal window when making Dial-In Connections** if the Dial-In configuration requires ASCII dialog before connecting to the Citrix server.
- The **Allow automatic client updates** option is disabled since the NetXpress thin client utilizes Disk-On-Chip (DOC) technology. The DOC maintains a limited amount of disk space for the NetXpress OS and optional software. Unexpected updates of Citrix ICA Client Software may disrupt DOC processing. Netier developed Rapport Administrative Software to manage all client software updates.

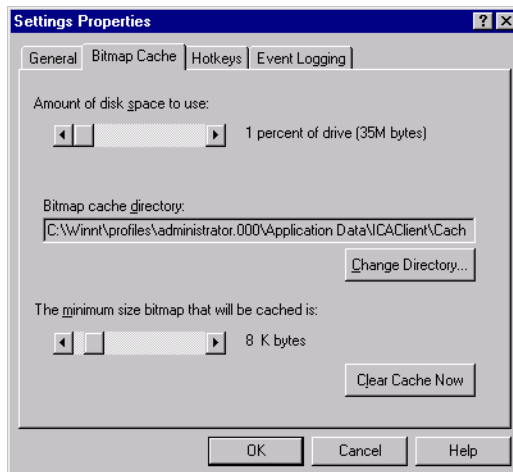
## BITMAP CACHE

The ability to change the settings for Bitmap Cache is limited due to DOC storage space limitations. Only the size of the bitmap may be changed in this tab.

### TO VIEW THE BITMAP CACHE TAB:

- 1 Click **Bitmap Cache**.

*The Bitmap Cache tab is displayed.*



*Bitmap Cache tab*

- 2 In the minimum size bitmap that will be cached is: field, adjust the size by scrolling to the left to make the bitmap size smaller, or to the right to make the bitmap size larger.

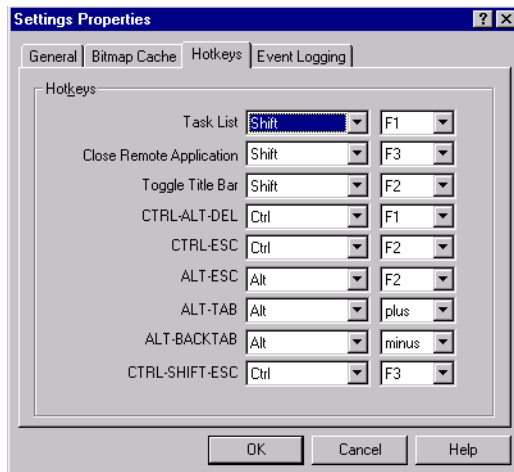
## HOTKEYS

You can customize hotkey combinations to use during an ICA session.

To view the Hotkeys tab:

- 1 Click **Hotkeys**.

*The Hotkeys tab is displayed.*



*Hotkeys tab*

Set the hotkey combinations as desired.

### EVENT LOGGING TAB

The ability to change the settings for Event Logging is disabled due to DOC storage space limitations.

# Configuring Modems Properties

You can configure modems connected to the NetXpress thin client through the Citrix Program Neighborhood.

## TO CONFIGURE A MODEM USING PROGRAM NEIGHBORHOOD:

- 1 From the *Tools* menu click **Modems**.

*The Modems Properties dialog box is displayed.*



### Modems

**Note:** In cases where RAS is not installed, do **not** remove the place holder in the Dial Using field.

Through the Modems Properties dialog box you can configure the following:

- Add Modems
- Remove Modems
- Configure Modem properties
- Configure Dialing Properties.

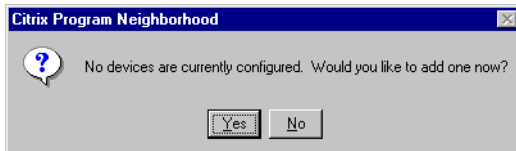
# Configuring Serial Devices

Through the Program Neighborhood you can configure serial devices connected to the NetXpress thin client.

## TO CONFIGURE SERIAL DEVICES USING PROGRAM NEIGHBORHOOD:

- 1 From the *Tools* menu select **Serial Devices**.

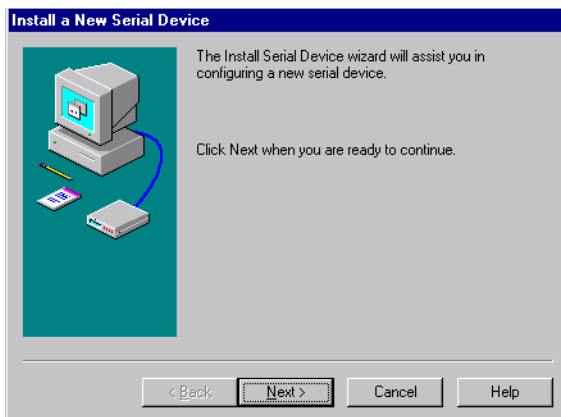
*The Serial Devices dialog box is displayed and the Citrix Program Neighborhood add serial device dialog box is displayed.*



*Add Serial Device*

- 2 Click **Yes**.

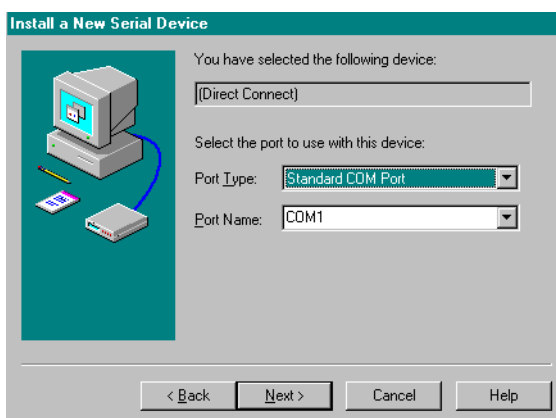
*The Install a New Serial Device wizard is displayed.*



*Install New Serial Device*

- 3 Click **Next**.

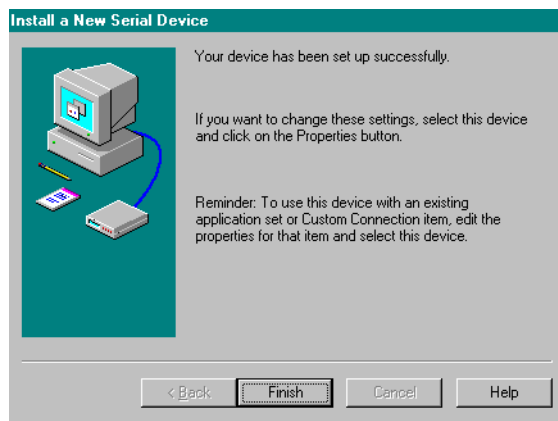
*The next window of the New Serial Device wizard is displayed.*



*New Serial Device*

- 4 Select the port type and the port name, then click **Next**.

*The next window of the New Serial Device wizard is displayed.*



*New Serial Device*

- 5 Click **Finish**.

*The new serial device is installed.*

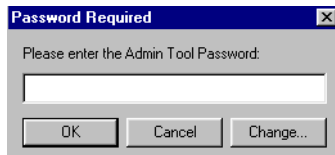
# Control Panel

This section explains how to access and use Control Panel components contained in the embedded Windows NT 4.0 Workstation operating system. Keep in mind that some component settings may not be available. Please contact your system administrator or see the *Microsoft Windows NT 4.0 Workstation Start Here Manual* for more information.

## TO ACCESS THE CONTROL PANEL TAB:

- 1 Click the **Start** button and select **Settings**.

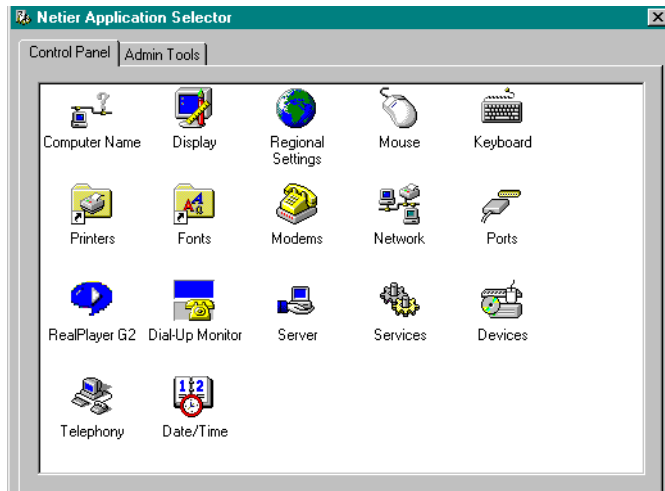
*The Password Required dialog box is displayed.*



*Password Required*

- 2 Type your password, then click **OK**.



*The Netier Application Selector is displayed.*



















*Netier Application Selector*

The Control Panel tab is the default tab when the Application Selector opens.

**Note:** Icons displayed may vary.

Double-Click:	To:
 Computer Name	For more information on changing the name of the NetXpress thin client, refer to "Computer Name" on page 81.
 Dial-Up Monitor	Enable or disable a device in a hardware profile; set the startup type of a device; start or stop a device.

Double-Click:	To:
 <p>Date/Time</p>	<p>Change the system date, time, and time zone.</p> <p><b>Note:</b> Date/Time can also be accessed by double-clicking the date/time icon located in the lower right-hand corner of your screen.</p>
 <p>Devices</p>	<p>Access is restricted to administrators only.</p>
 <p>Display</p>	<p>Through Display you can adjust and preview screen saver settings, color palette configuration, desktop area, font size, refresh frequency, list valid display adapter modes and test new display settings. Refer to the <i>Microsoft Windows NT 4.0 Workstation Start Here</i> manual for more information on Display settings.</p> <p><b>Note:</b> The display type is set to recognize the S3 Incorporated Display Driver only by default. For more information on configuring the S3 Incorporated Display, refer to “Configuring Display Settings” on page 82.</p>
 <p>Fonts</p>	<p>Add or delete fonts; find similar fonts; print font samples; view fonts on your computer.</p>
 <p>Keyboard</p>	<p>Adjust the keyboard delay and repeat rate.</p> <p><b>Note:</b> The keyboard settings are set to US English only by default.</p>
 <p>Modems</p>	<p>Troubleshoot problems with the modem.</p>
 <p>Mouse</p>	<p>Adjust button configuration, double-click speed, pointer speed, and snap to default.</p> <p><b>Note:</b> Pointer settings and mouse type are set by default.</p>
 <p>Network</p>	<p>Identify network identification of your computer, network services, protocols and adapters.</p> <p><b>Note:</b> Configuration of these elements is restricted to administrators only. For more information on configuring network settings, refer to “Setting Up Networking” on page 86.</p>

Double-Click:	To:
 Ports	Use the Settings dialog box to specify the baud rate, data bits, parity, stop bits and flow-control settings for the selected serial port.
 RealPlayer G2	Use Real Player to play and record media files.
 Dial-Up Monitor	Use the Dial-Up Monitor to monitor dial-up status and configure preferences.
 Printers	Access the <i>Add Printer</i> wizard to add and remove printers. By default, only printers connected to the network can be added. For more information on configuring printers for the NetXpress thin client, refer to “Local Printer Configuration” on page 106.
 Regional Settings	Configure Number appearances (e.g., Decimal symbol, Negative sign symbol, Measurement system, etc.), Currency symbols, Time Style and Date Style  <b>Note:</b> Input Locales and Regional Settings are set to US English by default.
 Server	Manage server properties, including users, shares, in use, replication and alerts.
 Services	Configure startup for a service; enable or disable a service for a hardware profile; start, stop, pause or continue a service.
 Internet Explorer	Use Internet Explorer as another browser option.

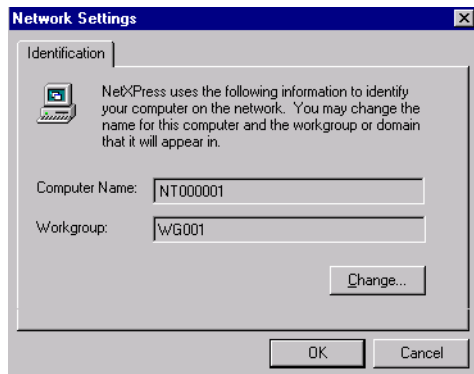
# Computer Name

You can configure the NetXpress computer name to be anything you want.

## TO CHANGE THE COMPUTER NAME:

- 1 Open the Control Panel (see “To access the Control Panel tab:” on page 78)..
- 2 Double-click the **Computer Name** icon.

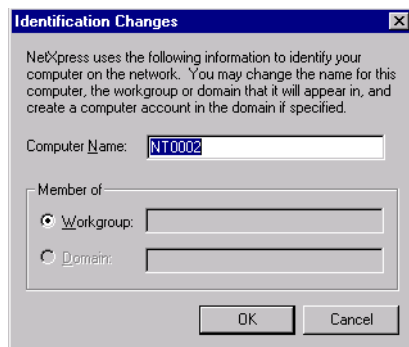
*The Network Settings dialog box is displayed and the current computer name and Workgroup are listed.*



*Network Settings—Identification*

- 3 Click **Change**.

*The Identification Changes dialog box is displayed.*



*Identification Changes*

- 4 The NetXpress thin client uses the following information as identification on the network. Type the computer name in **Computer Name**.

**Note:** The Member of box normally allows you to add an NT workstation to a domain. However, in this image, this function is disabled.

- 5 Click **OK**.

## Configuring Display Settings

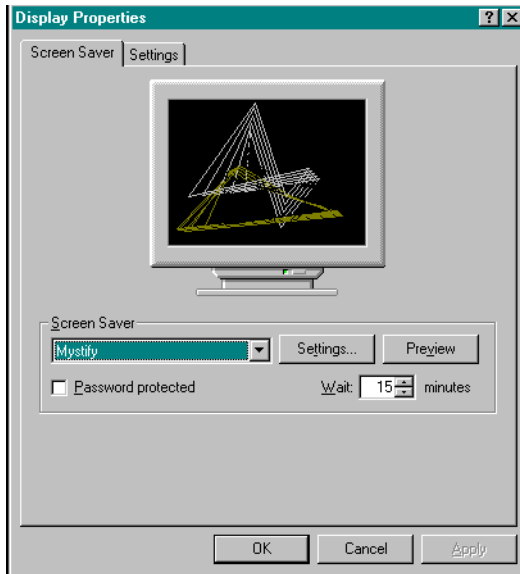
The Trident Video Accelerator 3D Adapter on the NetXpress thin client provides support for your monitor. Through Display Properties you can configure the following settings:

- Screen Saver
- Color Palette
- Desktop Area
- Font Size
- Refresh Frequency

**TO CONFIGURE DISPLAY SETTINGS:**

- 1 Open the Control Panel (see “Control Panel” on page 78).
- 2 Double-click the Display icon.

*The Display Properties dialog box is displayed.*



*Display Properties*

- 3 Make any necessary changes to the display settings.

**Note:** On the standard image, in the Display Properties window, the Background, Plus! and Settings tabs are disabled.

## Using WinNT IP Configuration

You use WinNT IP Config to view IP address information on the NetXpress thin client. Through WinNT IP Config you can determine the IP address, renew and release IP addresses for the computer.

### TO START WINNT IP CONFIG:

- 1 Open the Control Panel (see “Control Panel” on page 78).

*Netier Application Selector*

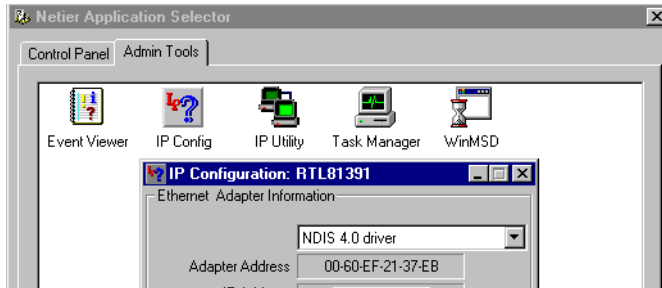
- 2 Click **Admin Tools**.

*The Admin Tools tab is displayed.*



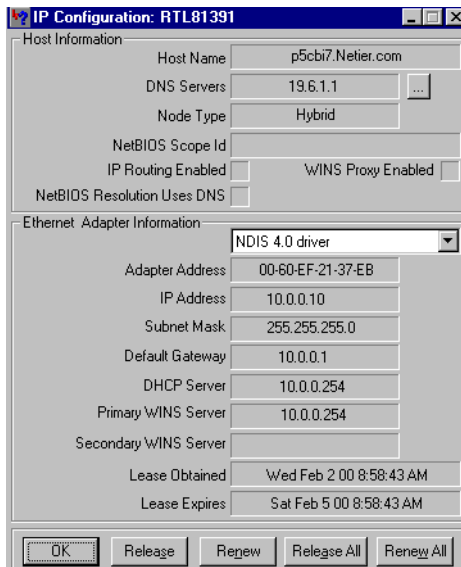
*Admin Tools tab*

- 3 Double-click the **IP Config** icon.  
*The IP Configuration dialog box is displayed.*



*IP Configuration*

- 4 Use the *Ethernet* pull-down menu to select the adapter you wish to receive information about.  
*The Adapter Address, IP Address, Subnet Mask Address and Default Gateway information is displayed.*
- 5 Click **Release** to notify the DHCP server that the IP address currently assigned to the NetXpress thin client is open for reassignment. Click **Release All** to include multiple network adapters.
- 6 Click **Renew** to notify the DHCP server that the NetXpress thin client needs to be assigned another IP address. Click **Renew All** to include multiple network adapters.
- 7 To view extended information about the NetXpress thin client, click **More Info>>**  
*The expanded IP Configuration information is displayed.*



*IP Configuration (Expanded)*

## Setting Up Networking

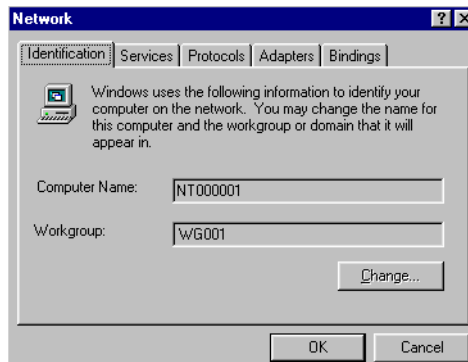
**Caution:** The NetXpress thin client networking settings are preconfigured by Netier technicians. If a situation arises where you need to reconfigure the network settings for a NetXpress thin client, please contact Netier Technical Support before adding or removing network components.

**Note:** You can configure some Protocols options. See “Services Tab” on page 87 for more information.

### TO CONFIGURE NETWORK SETTINGS:

- 1 Open the Control Panel (see “Control Panel” on page 78).
- 2 Double-click the Network icon.

*The Identification tab is displayed in the Network dialog box.*



*Network*

The **Identification** tab displays the name and workgroup or domain the NetXpress thin client is configured on.

**Caution:** Do not change the name of the NetXpress thin client through the Identification tab.

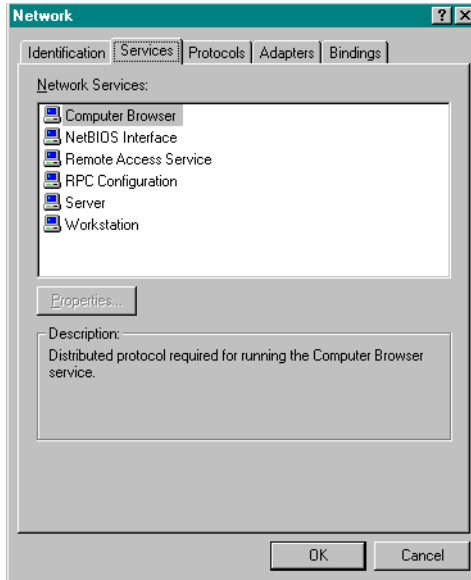
## SERVICES TAB

All network services available to the NetXpress thin client are displayed in the Services tab.

**Caution:** Do not change any settings in the Services tab unless directed to do so by a Netier technician.

**TO ACCESS THE SERVICES TAB:**

- 1 From the *Network* dialog box, click **Services**.  
*The Services tab is displayed.*



*Services Tab*

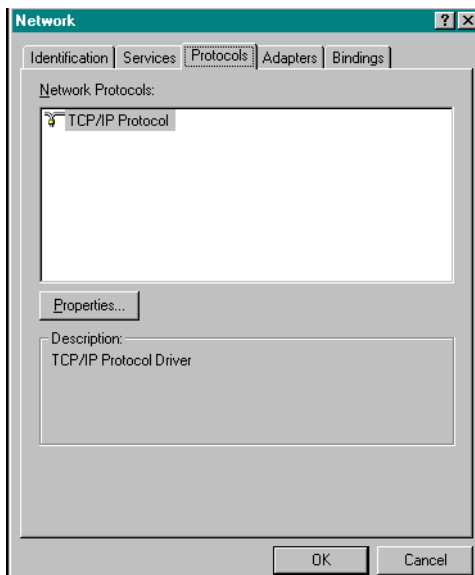
**PROTOCOLS TAB**

All NetExpress thin client network protocols needed for successful connection to the server are configured by Netier technicians.

**Caution:** Do not attempt to add, remove or update protocols through the Protocols tab.

**TO ACCESS THE PROTOCOLS TAB:**

- 1 From the *Network* dialog box, click **Protocols**.  
*The Protocols tab is displayed.*



*Protocols*

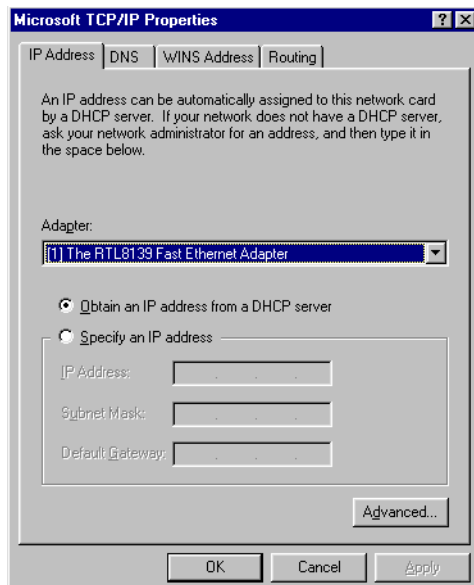
## DHCP

The network protocols configured by Netier technicians are set to use DHCP by default; however, you can configure existing protocols if needed.

### TO CONFIGURE PROTOCOL PROPERTIES:

- 1 From the *Protocols* tab, click to select a listed protocol.
- 2 Click **Properties**.

*The Microsoft Properties dialog box is displayed.*



*Protocol Properties*

### IP ADDRESS TAB

You have the option to allow the DHCP server to provide the IP address for the NetXpress thin client, or you can type a specific IP address for the NetXpress to connect with.

### TO CONFIGURE THE DHCP SERVER TO SELECT AN IP ADDRESS:

- 1 From the IP Address tab, select **Obtain an IP address from a DHCP server**.
- 2 Click **OK**.

*The Network dialog box is displayed.*

### TO CONFIGURE A STATIC IP ADDRESS:

- 1 From the IP Address tab, select **Specify an IP address**.  
*The IP Address:, Subnet Mask: and Default Gateway fields are activated.*
- 2 Type the desired IP Address, Subnet Mask and Default Gateway numbers in their respective fields.
- 3 Click **OK**.

*The Network dialog box is displayed.*

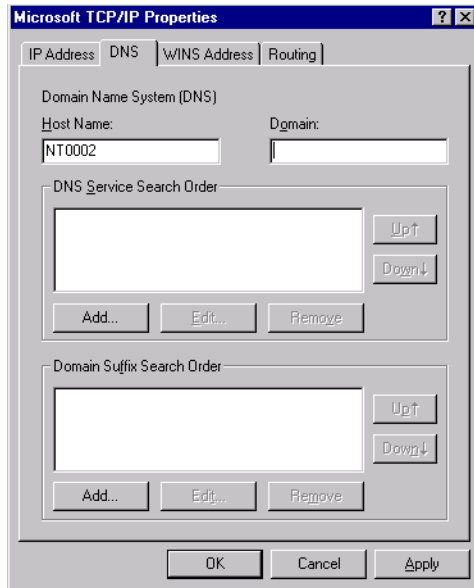
## DNS TAB

You configure the Domain Name System for the NetXpress thin client through the DNS tab.

### TO CONFIGURE THE DNS:

- 1 Click **DNS**.

*The DNS tab is displayed.*



*Domain Name System*

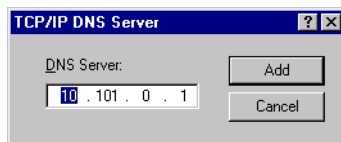
- 2 Type the host name for the NetXpress thin client in **Host Name**: The host name is the computer name.
- 3 Type the domain for the NetXpress thin client in **Domain**.

**Note:** This is not an NT Domain.

### TO SET THE DNS SERVICE SEARCH ORDER:

- 1 Click **Add** under *DNS Service Search Order* to specify an IP address of a DNS server that provides host name resolution. If multiple DNS servers are listed they are queried in the order they appear.

*The DNS Server dialog box is displayed.*



*DNS Server*

- 2 Type the IP address for the server you wish to connect to.
- 3 Click **Add**.

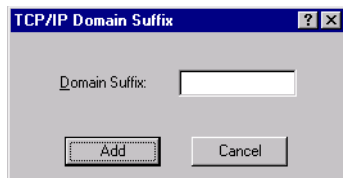
*The IP address is displayed in the DNS Service Search Order list.*

**Note:** If more than one domain is listed, you can change the service search order by clicking either **Up** or **Down**.

**TO SET THE DOMAIN SUFFIX SEARCH ORDER:**

- 1 In *Domain Suffix Search Order*, click **Add** to attach a list of domain suffixes for host names in DNS queries.

*The Domain Suffix dialog box is displayed.*



*Domain Suffix*

- 2 Type the domain suffix.
- 3 Click **Add**.

*The Domain Suffix is listed under Domain Suffix Search Order.*

**Note:** If more than one domain suffix is listed you can change the search order by clicking either **Up** or **Down**.

**WINS ADDRESS TAB**

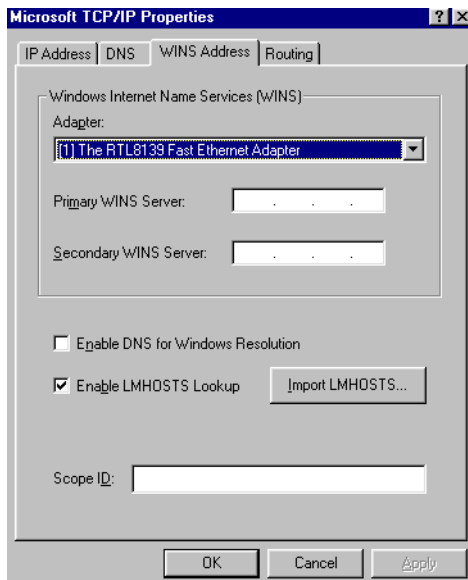
Windows Internet Name Services (WINS) are configured in the **WINS Address** tab. WINS is a dynamic naming service installed on a server that is used to resolve NetBIOS names to IP Addresses.

**Note:** WINS can be automatically configured when DHCP is used. By default, the NetXpress is configured to use DHCP.

**TO CONFIGURE WINDOWS INTERNET NAME SERVICES:**

- 1 Click **WINS Address**.

*The WINS Address tab is displayed.*



*WIN Address Tab*

- 2 Use the **Adapter** pull-down menu to select the adapter the NetXpress is using to connect to the network. An adapter is the hardware device that physically connects the NetXpress to the network. For more information on configuring network adapters, see "Adapters Tab" on page 91.
- 3 Type the primary WINS server and Secondary WINS Server IP Address in the respective fields.
- 4 If you want to enable DNS for name resolution on Windows networks, select **Enable DNS for Windows Resolution**.

- 5 If you want to enable LMHOSTS for name resolution on Windows networks, select **Enable LMHOSTS Lookup**. Click **Import LMHOSTS...** to select the LMHOST file.

**Note:** Prior to the development of WINS, the only way to associate Windows machine names with IP numbers was via the LMHOSTS file. An example LMHOSTS (lmhosts.sam) file is usually installed by default whenever MS-TCP/IP is setup on a Windows machine. You can view this file for directions and examples of how to properly utilize a LMHOSTS file. The file must normally be renamed simply "lmhosts. (no extension)" for actual use. Today Windows still retains LMHOSTS for backwards compatibility and for use in environments where there is not a WINS server available for use.(www.localnet.org, 1999)

- 6 If needed, type the correct value for the Scope ID in **Scope ID:**. Typically, the Scope ID is left blank. All computers on a TCP/IP Internetwork must have the same Scope ID to communicate. If a DNS is not found for name recognition, the Scope ID is used instead.

## ROUTING TAB

**Caution:** Enabling IP Forwarding is not supported on the NetXpress thin client.

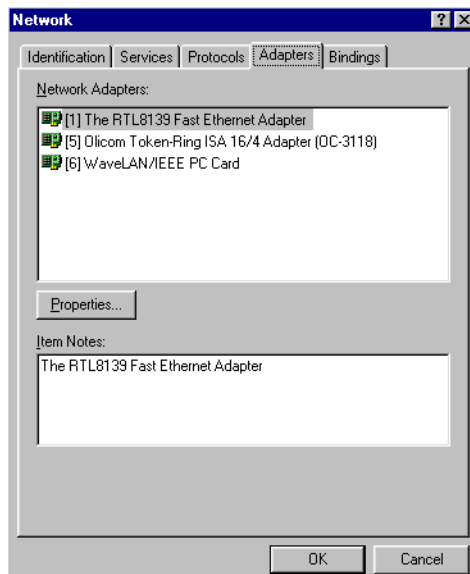
## ADAPTERS TAB

All network adapters available to the NetXpress thin client are displayed in the Adapters tab. An adapter is the hardware device used that physically connects the NetXpress thin client to the network.

**Caution:** Do not change any settings in the Adapters tab unless directed to do so by a Netier technician.

### TO ACCESS THE ADAPTERS TAB:

- 1 From the *Network* dialog box, click **Adapters**.  
*The Adapters tab is displayed.*



*Adapters Tab*

## BINDINGS TAB

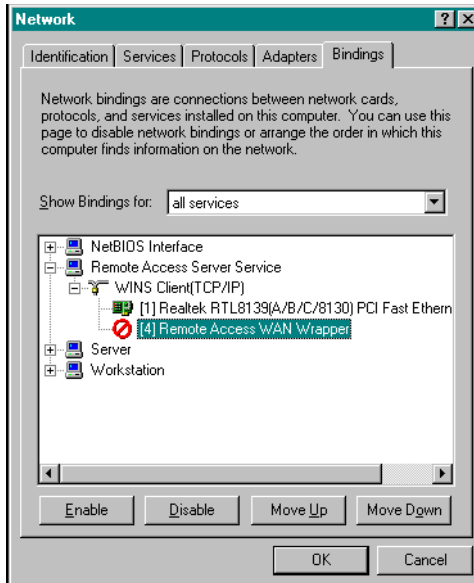
All Network Bindings available to the NetXpress thin client are displayed in the Bindings tab.

**Caution:** Do not change any settings in the Bindings tab unless directed to do so by a Netier technician.

**TO ACCESS THE BINDINGS TAB:**

- 1 From the *Network* dialog box, click **Bindings**.

*The Bindings tab is displayed.*



*Bindings*

# Token-Ring Driver Installation

**TO INSTALL THE TOKEN-RING DRIVER:**

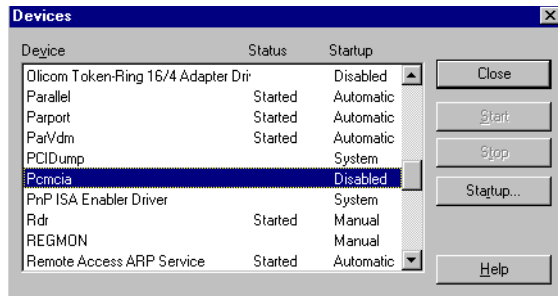
- 1 Turn on the NetXpress and allow it to boot into Windows NT.

*The Begin Logon window is displayed.*

*The New Hardware Found dialog box is displayed.*

- 2 Select **Do Not Install a Driver**.
- 3 Double-click **Devices** in the Control Panel.

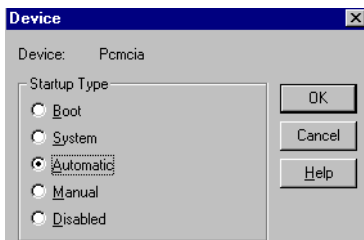
*The Devices dialog box is displayed.*



*Devices*

- 4 Select the **Olicom Token Ring 16/4** device.
- 5 Click **Startup**.

*The Device dialog box is displayed.*

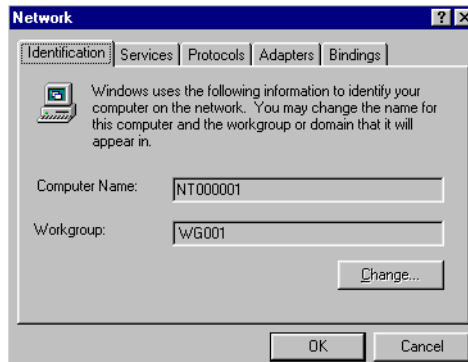


*Device*

- 6 Select **Automatic**.
  - 7 Click **OK**.
- The Devices dialog box is displayed and the Olicom Token-Ring 16/4 Adapter Driver Startup is set to Automatic.*
- 8 Click **Close**.
  - 9 Restart the system.
  - 10 Open the Netier Application Selector. For more information, see "Control Panel" on page 78

11 Double-click the **Network** icon.

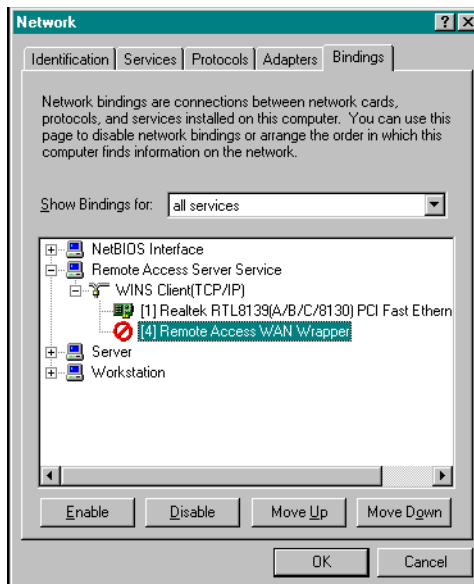
*The Network dialog box is displayed.*



*Network*

12 Click the **Bindings** tab.

*The Bindings tab is displayed.*



*Binding Tab*

13 Select **all Adapters** from the *Show Bindings for:* pull-down menu.

14 Click to select the Olicom Token-Ring 16/4 Adapter Driver.

15 Click **Enable**.

16 Click to select **RTL8139 Fast Ethernet Adapter** bindings.

17 Click **Disable**.

18 Restart the system.

*The computer restarts and the Begin Logon window is displayed.*

## Configuring PPP Modem Settings

- 1 Shutdown the system.
- 2 Turn off the unit and physically install the V.90 Windows Modem (LHT).
- 3 Turn on the system and press the Delete key.  
*The BIOS setup screen is displayed.*
- 4 Select **PNP/PCI Configuration**.
- 5 Verify the following settings:
  - PNP OS Installed: **Yes**
  - Resources Controlled by: **Manual**
- 6 Press **Escape**, then save the configuration changes by pressing **F10**, then typing **Y**.  
*The changes are saved and the system exits the BIOS setup screen.*  
*A message, "NT Found New Hardware," is displayed, then the Advanced Port Settings Window is displayed.*
- 7 Click the Resources tab.  
*The Resources dialog box is displayed.*
- 8 Click **Set Configuration Manually**, then choose **Basic Configuration 0002**.
- 9 Change the IRQ setting to 9.
- 10 Click the General tab.  
*The General dialog box is displayed.*
- 11 Change the Com Port Number to 4.
- 12 Make sure the FIFO is selected.
- 13 Click **OK**.  
*A confirmation box is displayed.*
- 14 Click **Yes** to confirm that you want to create a forced configuration.  
*A confirmation box is displayed.*
- 15 Click **Yes** to confirm that you want to use the drivers that are already on the client.
- 16 When prompted, restart the client.
- 17 When the client has been restarted, open the Netier Application Selector (For information about opening the Netier Application Selector, see "To access the Control Panel tab:" on page 78)
- 18 Double-click the Network icon.  
*The Network dialog box is displayed.*
- 19 Click the Services tab.  
*The Services dialog box is displayed.*
- 20 In the Network Services: list box, select **Remote Access Service**, then click the Properties button.  
*The Remote Access Setup dialog box is displayed.*
- 21 Click **Add**.  
*The Add RAS Device dialog box is displayed.*
- 22 In the RAS Device field, click the down arrow, then select **COM 4-.90 Windows Modem**.
- 23 Click **OK**.  
*The Remote Access Setup dialog box is displayed again.*
- 24 Highlight the COM2 Place holder do not delete entry, then click **Delete**.
- 25 Click **Continue**.  
*The Network dialog box is displayed again.*

**26** Click the Bindings tab.

*The Bindings dialog box is displayed.*

**27** In the Show Bindings for field, click the down arrow, then select **all adapters**.

**28** In the list box, select **Remote Access WAN Wrapper**, then click **Enable**.

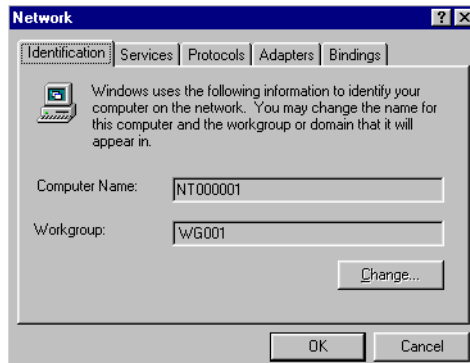
**29** Close the Network dialog box.

**30** When prompted, restart the client.

# Configuring Remote Access Service

- 1 Click **Start**, then **Settings**.
- 2 In the Control Panel, double-click **Network**.

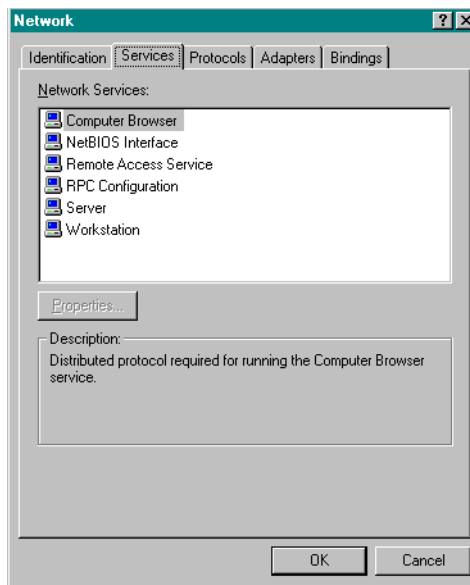
*The Network dialog box is displayed.*



*Network*

- 3 Click **Services**.

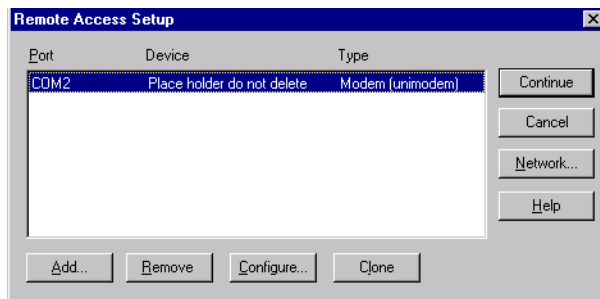
*The Services tab is displayed.*



*Services Tab*

- 4 Under *Network Services*: select **Remote Access Service**.
- 5 Click **Properties**.

*The Remote Access Setup dialog box is displayed.*

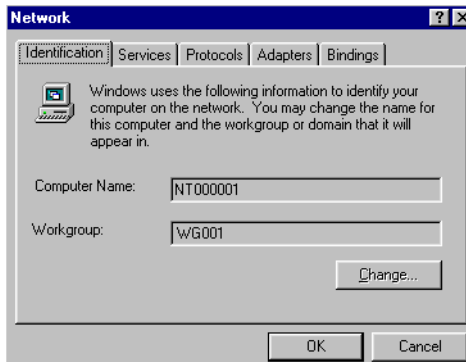


*Remote Access Setup*

- 6 Click **Add**, then add the **V.90 Windows Modem (LHT)** on *Com4*.
- 7 In the Remote Access Setup dialog box, click **Continue**.  
*The Network dialog box is displayed.*
- 8 Click **OK**.
- 9 Close the Netier Application Selector, then shutdown and restart the system.

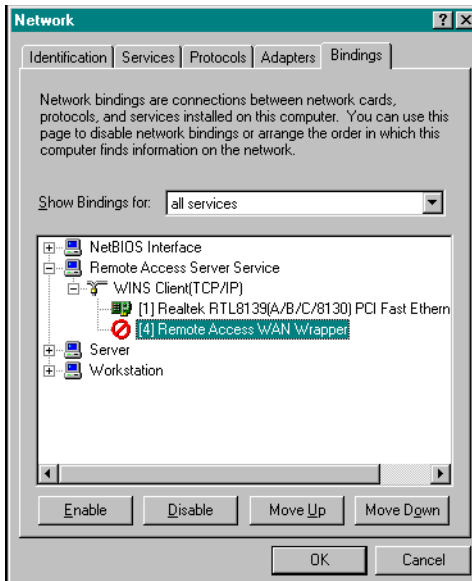
## Configuring Remote Access Network Bindings

- 1 Double-click **Network** in the Control Panel.  
*The Network dialog box is displayed.*



*Network*

- 2 Click **Bindings**.  
*The Bindings tab is displayed.*



*Bindings*

- 3 Select **all adapters** in the *Show Bindings for:* pull-down menu.  
*All adapter bindings are displayed.*
- 4 Double-click **[4] Remote Access WAN Wrapper**.
- 5 Click to select **TCP/IP**
- 6 Click **Enable**.
- 7 Click to select **WINS(TCP/IP)**.

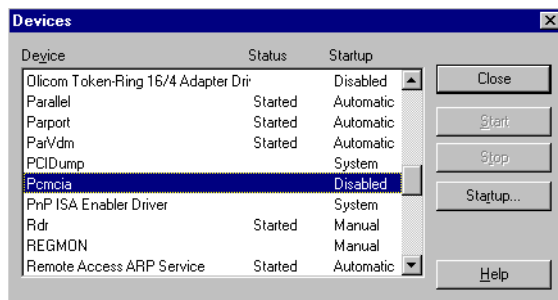
- 8 Click **Enable**.
- 9 Click to select [1] **Realtek RTL8139(A/B/C/8130) PCI Fast Ethernet Adapter**.
- 10 Click **Disable**.
- 11 Click **OK**.

# Configuring Lucent Wavelan Wireless Adapter

## Wireless Driver Installation

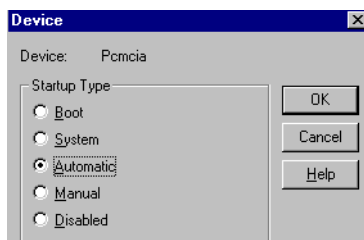
### TO INSTALL THE WIRELESS DRIVER:

- 1 Shutdown the system.
- 2 Restart the system and allow it to boot into Windows NT.  
*The New Hardware Found dialog box is displayed.*
- 3 Select **Do Not Install a Driver**.
- 4 Double-click **Devices** in the Control Panel.  
*The Devices dialog box is displayed.*



*Devices*

- 5 Select **PCMCIA**.
- 6 Click **Startup**.  
*The Device dialog box is displayed.*

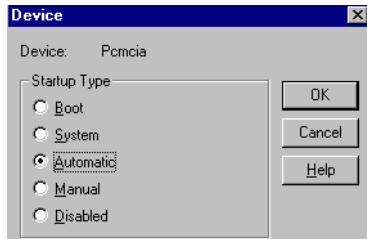


*Device*

- 7 Select **Automatic**.
- 8 Click **OK**.  
*The Devices dialog box is displayed and the PCMCIA Startup is set to Automatic.*
- 9 Select **Wavelan/IEEE PC Card Driver**.

**10 Click Startup.**

*The Device dialog box is displayed.*



*Device*

**11 Select Automatic.**

**12 Click OK.**

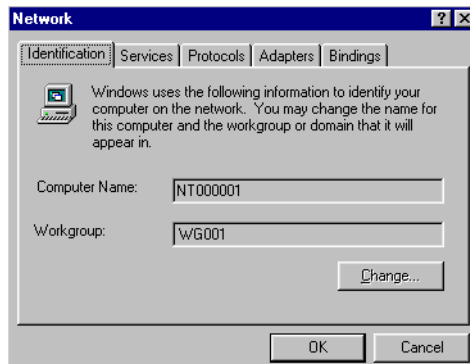
*The Devices dialog box is displayed and the Wavelan/IEEE PC Card Driver Startup is set to Automatic.*

**13 Click Close.**

**14 Restart the system.**

**15 Double-click Network in the Control Panel.**

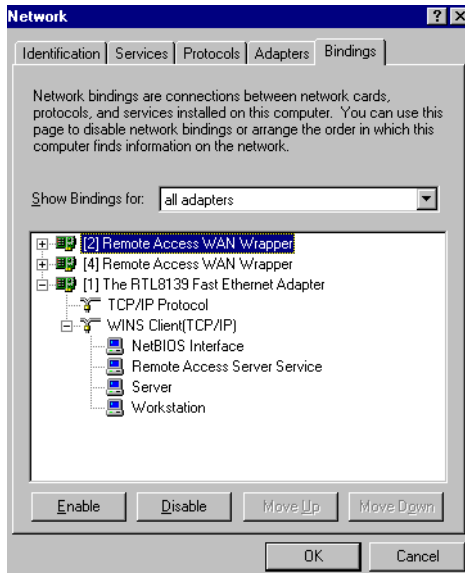
*The Network dialog box is displayed.*



*Network*

**16 Click Bindings.**

*The Bindings tab is displayed.*



*Binding Tab*

**17 Select all Adapters** from the *Show Bindings for:* pull-down menu.

**18** Click to select Wavelan/IEEE PC Card adapter.

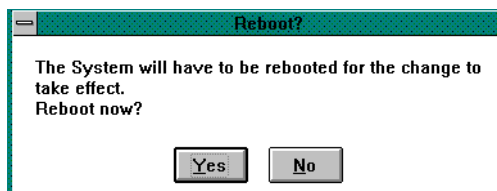
**19** Click **Enable**.

**20** Click to select **[1] Realtek RTL8139(A/B/C/8130) PCI Fast Ethernet Adapter**.

**21** Click **Disable**.

**22** Click **OK**.

*The Network Setting Change dialog box is displayed.*



*Network Settings*

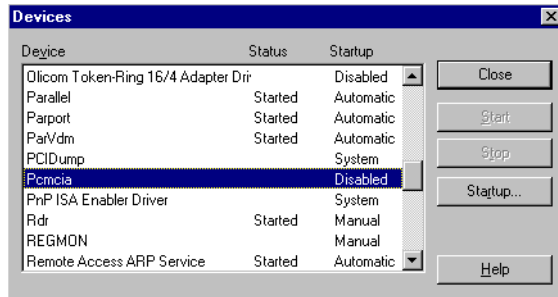
**23** Click **Yes**.

*The system restarts and the Begin Logon window is displayed.*

# Reversing Modem, Token Ring and Wireless to Ethernet

- 1 Shutdown then restart the system.
- 2 Open the Control Panel (see “Control Panel” on page 78).
- 3 Double-click **Devices** in the Control Panel.

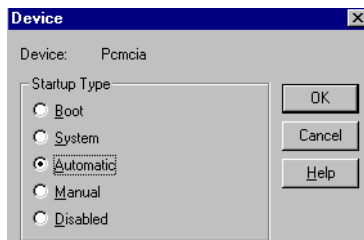
*The Devices dialog box is displayed.*



*Devices*

- 4 Select either the PCMCIA, Wavelan/IEEE PC, or the Olicom Token Ring 16/4driver.
- 5 Click **Startup**.

*The Device dialog box is displayed.*



*Device*

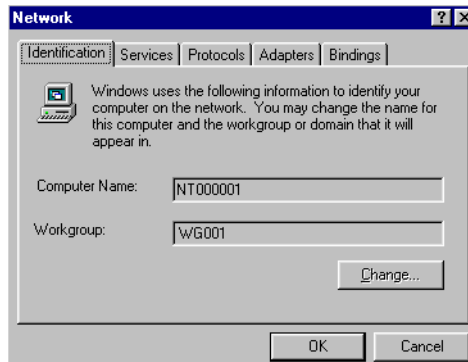
- 6 Select **Automatic**.
- 7 Click **OK**.

*The Devices dialog box is displayed and the PCMCIA Startup is set to Automatic.*

- 8 Click **OK**.
- 9 Click **Close**.

10 Double-click **Network** in the Control Panel.

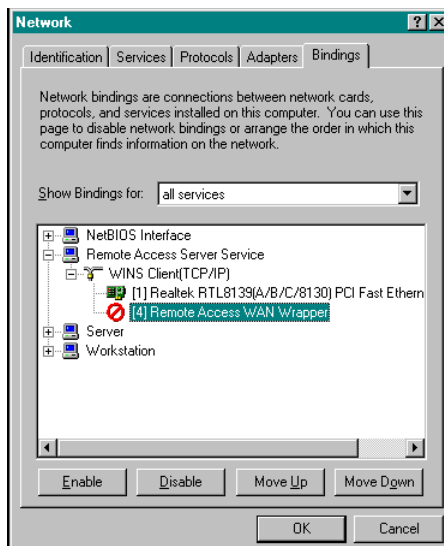
*The Network dialog box is displayed.*



Network

11 Click **Bindings**.

*The Bindings tab is displayed.*



Binding Tab

12 Select **all services** in the *Show Bindings for:* pull-down menu.

13 Highlight the device that you wish to re-enable and select **Enable**.

*All of the red circles disappear.*

14 Click **OK**.

15 Select **Yes** to restart the system.

16 Logon as administrator.

17 Open the Control Panel.

18 Select the **Devices** icon.

19 Locate the particular device that you wish to disable and select (Highlight) the object\*.

20 Select the **Startup** button.

21 Select the **Disable** radio button.

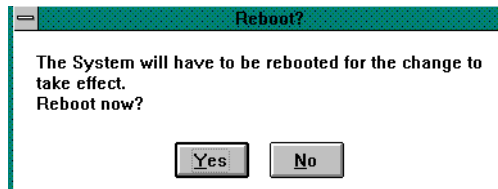
22 Select **OK**.

23 Select **Close**.

24 Select the **Network** icon in the Control Panel.

- 25 Select the **Bindings** tab.
- 26 Select the show bindings by all **Adapters** view.
- 27 Highlight the device that you wish to disable and select the **disable** button, all of the red circles will disappear.
- 28 Click **OK**.

*The Network Setting Change dialog box is displayed.*



*Network Settings*

- 29 Click **Yes**.
- The system restarts and the Begin Logon window is displayed.*
- 30 Press **Ctl-Alt-Delete** and log on as the administrator.

# Local Printer Configuration

## Hardware Installation

TO INSTALL A LOCAL PRINTER ON THE NETXpress THIN CLIENT:

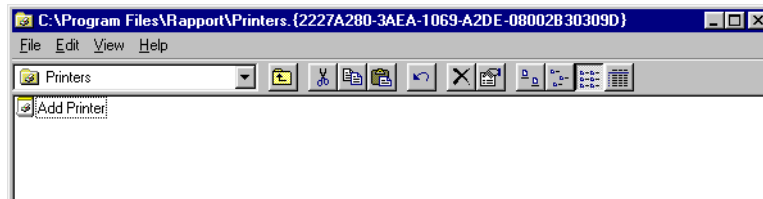
- 1 Shutdown the system.
- 2 Turn off the system and connect the printer to the NetXpress thin client.

## Printer Driver Installation

TO INSTALL A PRINTER DRIVER:

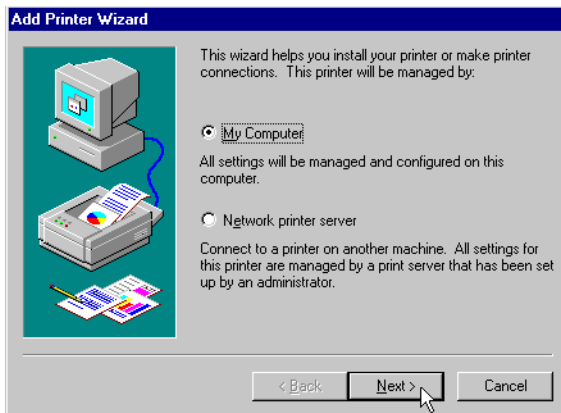
- 1 Turn on the NetXpress and allow it to boot into Windows NT.  
*The Begin Logon window is displayed.*
- 2 Open the Netier Application Selector (see “Control Panel” on page 78).
- 3 Double-click **Printers**.

*The Printers window is displayed.*



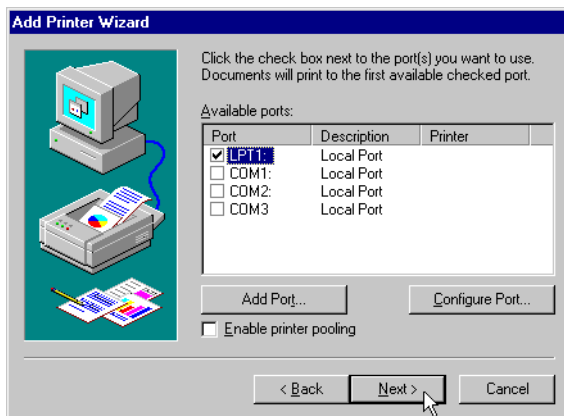
Printers

- 4 Double-click **Add Printer** icon.  
The Add Printer Wizard is displayed.



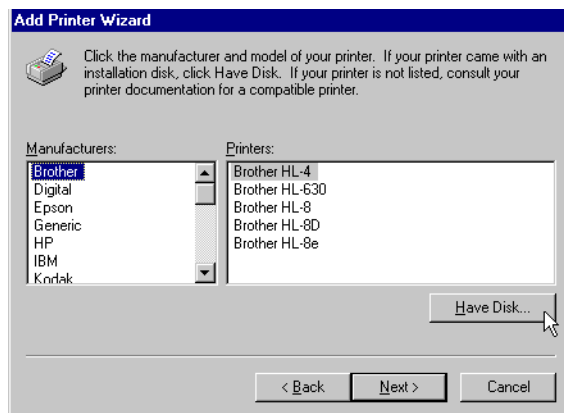
Add Printer Wizard

- 5 Select **My Computer**.
- 6 Click **Next**.  
The next Add Printer Wizard window is displayed.



Add Printer Wizard

- 7 Select **LPT1**.
- 8 Click **Next**.  
The next Add Printer Wizard window is displayed.



Add Printer Wizard

9 Select the manufacturer and model from the scroll menus.

**Note:** If your manufacturer and model are not listed see “My Printer Manufacturer is Not Listed” on page 109 for more information.

10 Click **Next**.

*The next Add Printer Wizard window is displayed.*

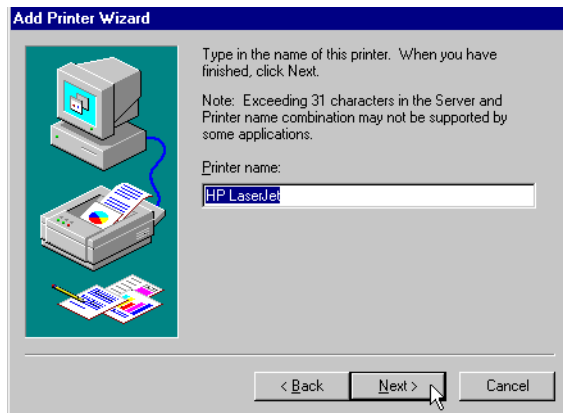


*Add Printer Wizard*

11 Select **Replace existing driver**.

12 Click **Next**.

*The next Add Printer Wizard window is displayed.*

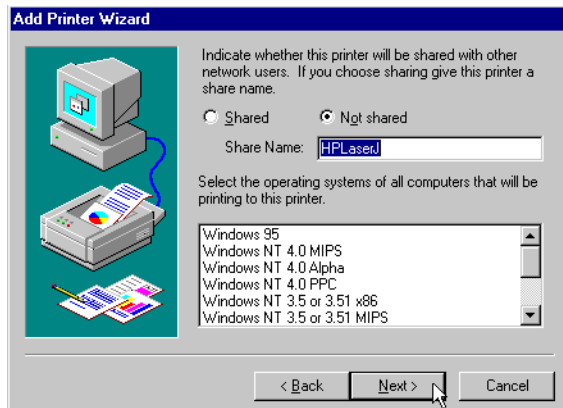


*Add Printer Wizard*

13 Type a printer name in **Printer name:**

**14 Click Next.**

*The next Add Printer Wizard window is displayed.*



*Add Printer Wizard*

**15 Select Not Shared.**

**Note:** Sharing printing is not supported by Netier.

**16 Click Next.**

*The next Add Printer Wizard window is displayed.*



*Add Printer Wizard*

**17 Select Yes (recommended).**

**18 Click Finish.**

*The printer installation is complete and a test page is printed. The Installed printer is listed in the Printer folder.*

## My Printer Manufacturer is Not Listed

If your printer manufacturer is not listed, please contact support or your reseller for assistance.

## Can I Share My Printer with Other Users?

By default, you cannot share your printer with other users.

## Network Printer Configuration

**Caution:** Netier does not recommend setting up most network printers on the local drive due to DiskOnChip size restrictions. Please contact support or your reseller for assistance.

## Adding Shortcuts to the Start Menu

Please consult your Rapport documentation for information and instructions regarding adding shortcuts to the Start menu.

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