

NCD Thin Client Xware

Version 5.1

Release Notes



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Contents

Introduction	3
New in this Release	3
Product Components	4
Installation	4
Password Support	5
rsh Support	5
Uninstalling NCD Thin Client Xware	5
Running NCD Thin Client Xware - Common Issues	6
Enable Execute Mode	6
Modifying Common Connections	6
X Applications with Incorrect Colors	6
MS Windows Color Palette and X Applications	7
X11perf Benchmark Program	7
Panned Windows May Redraw Incorrectly	8
Use IP Address	8
X Backgrounds	8
Enabling Windows to See Your Mouse Presses	8
NCD Thin Client Xware Taskbar Entries	9
Web Enabled X	9
NCD Terminal Console	10
Host - Specific Common Issues	11

Contents

Common Desktop Environment	11
NCD Thin Client Xware and HP VUE, CDE, TriTeal TED Desktops	12
NCD Thin Client Xware and AIX 3.2.5	12
Viewing the Online User's Guide	13

Introduction

This document includes late-breaking information and important notes about NCD Thin Client Xware. For additional information, see the following:

To Find Out More About...	See the following:
NCD Products	http://www.ncd.com or call 1-800-800-9599
NCD Thin Client Xware Support	Appendix A, Product Support in the <i>NCD Thin Client Xware User's Guide (online)</i> or http://www.ncd.com/support/support.html
Configuring and Installing NCD Thin Client Xware	<i>NCD Thin Client Xware Installation and Configuration Guide (online)</i>
Using NCD Thin Client Xware	<i>NCD Thin Client Xware User's Guide (online)</i>
Using FTP	<i>NCD Thin Client Xware FTP User's Guide (online)</i>

New in this Release

NCD Thin Client Xware is designed specifically for multi-user NT environments. In addition, NCD's drag-and-drop FTP client and the Adobe Acrobat Reader have been included for your convenience.

NCD Thin Client Xware version 5.1 includes these features:

- Support for Windows NT 4.0, Terminal Server Edition and Citrix WinFrame:** NCD Thin Client Xware 5.1 supports Windows NT 4.0, Terminal Server Edition and Citrix WinFrame 1.6 and 1.7.

Product Components

The NCD Thin Client Xware version 5.1 product packet contains:

- NCD Thin Client Xware 5.1 CD-ROM
- *NCD Thin Client Xware Installation and Configuration Guide* (on the CD)
- *NCD Thin Client Xware User's Guide* (as an online manual)
- *NCD Thin Client Xware FTP User's Guide* (as an online manual)
- These release notes

Installation

We strongly suggest the administrator first view the Installation documentation before installing the product. It is available through the NCD Thin Client Xware Installation procedure.

1. Run setup from the CD.
2. Accept the license agreement.
3. On the *Install Documentation* window answer **Yes**.

If Acrobat Reader is Already Installed:

The Adobe Acrobat Reader will start up with the NCD Thin Client Xware Installation and Configuration Guide loaded. Read the document.

Note Use *alt tab* to switch between the installation and the documentation.

If Acrobat Reader is not yet installed:

1. Click **OK** on *Acrobat Reader Installation* window.
2. Click **Yes** on the *InstallShield Self-extracting EXE* window.
3. Continue with the Adobe Acrobat Reader Installation:

- a. Click **Next** on the *Welcome* window.
 - b. Click **Yes** on the *Software License Agreement* window.
 - c. Click **Next** or browse to the desired installation path on the *Choose Destination Location* window.
 - d. Click **Finish** on the *Setup Complete* window.
 - e. Click **OK** on the *Adobe Acrobat 3.01 Setup* window.
4. Run Setup from the CD again.
 5. Accept the license agreement.
 6. On the *Install Documentation* window answer **Yes**.
 7. Read the document.

Password Support

The ability to save login passwords with connections is on by default. To turn this capability off; go to the DOS prompt and run the `nopasswd.exe` program in the NCD Thin Client Xware directory.

rsh Support

The ability to start applications via ***rsh*** (Remote Shell) is on by default. To turn off the ***rsh*** connections, go to the DOS prompt and run the **`norsh.exe`** program in the NCD Thin Client Xware directory.

Note Please see additional information on Shared Password and *rsh* Support in the *NCD Thin Client Xware Installation and Configuration Guide*.

Uninstalling NCD Thin Client Xware

If you need to uninstall NCD Thin Client Xware and later install it on the same NT Server, reboot before you re-install.

Running NCD Thin Client Xware - Common Issues

Enable Execute Mode

Please ensure that the operating system is in Execute mode prior to using Xware. If necessary type `change user/execute` from a command prompt.

Modifying Common Connections

Citrix WinFrame only

An administrator can modify common connections by running, `conset.exe /common`.

X Applications with Incorrect Colors

If your X applications do not display the correct colors, follow these steps to reverse the order that NCD Thin Client Xware allocates color cells:

- For Windows NT 4.0, Terminal Server Edition:
 - a. Select **Start** → **Program** → **NCD Thin Client Xware** → **NCD Thin Client Xware Configuration**.
 - b. On the General tab, click *Advanced Settings*.
 - c. Select *Allocate colormap entries from the top*, then click OK.
 - d. Click Apply and then OK on the General tab.
 - e. Restart your X application.
- For Windows NT 3.51:
 - a. Select the **NCD Xware** program group in Program Manager.
 - b. Double click *Xware Configuration*.
 - c. On the General tab, click *Advanced Settings*.
 - d. Select *Allocate colormap entries from the top*, then click OK.
 - e. Click Apply and then OK on the General tab.
 - f. Restart your X application.

MS Windows Color Palette and X Applications

Some MS Windows applications (MS Excel, for example) redefine the entire Windows color palette. This may cause “color flashing” when changing focus from an X application back to the Windows application.

NCD Thin Client Xware manages color with Windows palette manager. RGB pixel values are preset by Windows, 0 to black and 255 to white, and cannot be changed. X applications that require other color values for 0 and 255 will display colors incorrectly.

X11perf Benchmark Program

- This program uses two Kanji/Kana fonts in eight of its tests. These fonts are installed as part of a typical installation of NCD Thin Client Xware.
- If you see an error from X11perf similar to this, you need to increase the graphics resolution:

```
X Error of failed request: BadMatch
  (invalid parameter attributes)
Major opcode of failed request:  73
  (X_GetImage)
Serial number of failed request:  16
Current serial number in output stream:  16
```

X11perf creates a 600 x 600 window with a 1-pixel border, 2 pixels from the edge of the screen. Unless you have a screen taller than 603 pixels, part of the X11perf window is off the screen. This error displays when you try to run it on a smaller screen.

NCD recommends that you run the benchmark on a 1024 x 768 video adapter. Some X servers may misinform the program about screen size. In this case, the performance numbers are inaccurate as they have several pixels missing from the bottom of the window.

Panned Windows May Redraw Incorrectly

In single window mode (**NCD Thin Client Xware Configuration → General → X Applications → Run in a single window**), if the Window size is larger than the physical display, X applications that appear partially off screen may not redraw correctly when moved back on screen.

Use IP Address

NCD Thin Client Xware 5.1 enables you to refer to your NT Server by just its IP address. This is useful when your network is not configured with a DNS server or in DHCP or PPP Dialup Router environments, where a NT Server's name may not match the dynamic address assigned to the NT Server. This feature is also helpful if you experience timeouts because your DNS host is a long distance away. By specifying the IP address, you prevent the DNS host from attempting to obtain the address by scanning all XDM broadcast hosts. See the explanation of the **Use IP Address** option in the section "Xware Advanced Settings" in the online help or What's This Help.

X Backgrounds

Because Windows doesn't accept X bitmaps as backgrounds, X applications can't set the screen background on the Windows desktop. This limitation only applies when **NCD Thin Client Xware Configuration → General → X Applications** is *Run on the desktop*.

Enabling Windows to See Your Mouse Presses

Windows NT 4.0, Terminal Server Edition - only

Many X window managers, including NCD Thin Client Xware's NCDwm and the Open Look window manager *olwm*, display a menu when you press a mouse button on the X window desktop. Because Windows displays a menu when the right mouse button is pressed, NCD Thin Client Xware must decide whether you want the X or the Windows menu.

To decide between the X and the Windows menu, select **NCD Thin Client Xware Configuration → Keyboard/Mouse → Special Settings**, and check or uncheck the box labeled *Send mouse events to X instead of Windows*.

If *Send mouse events to X instead of Windows* is checked (on) and you want to start an icon on the Windows desktop, you must hold down a modifier key, such as Control, while pressing the left mouse button to select the icon, and then press Enter.

If *Send mouse events to X instead of Windows* is unchecked (off), change your X application to also expect modified mouse button presses. For example, if left-click brings up a menu, change the application so that left-click or Shift+left-click brings up the menu. Do not use Control or Alt as the modifier key.

NCD Thin Client Xware Taskbar Entries

Windows NT 4.0, Terminal Server Edition - only

If you run NCD Thin Client Xware in single window mode (**NCD Thin Client Xware Configuration → General → X Applications → Run in a single window**), the single Microsoft window where your X applications appear is labeled Xware Screen in the Windows taskbar.

Web Enabled X

NCD Thin Client Xware provides the ability to start X applications by activating hot links or icons on your intranet Web pages. See Appendix B, “Web-Enabled X,” in the online *NCD Thin Client Xware User’s Guide*.

- **NCD Thin Client Xware 5.1 Web Enabled X Connections:** If you create NCD Thin Client Xware 5.1 Web Enabled X Connections, associate **constart.exe** as the file name/type for the connection.
- **PC-Xware 4.x or PC-Xware 5.0 for Windows NT 3.51 or Windows 3.1x Web Enabled X Connections:** If you created Web Enabled X Connections with PC-Xware 4.x or PC-Xware 5.0 for Windows 3.1x, you’ll need to modify the file name/type associated with the **.xic** file name extension in your Web

browser. Change the file name/type association to **xicstart.exe** located in the **ncd\xware** installation subdirectory.

- **NCD Thin Client Xware 5.1 Web Enabled X Connections and MS Internet Explorer:** NCD Thin Client Xware 5.1's connections are kept in **.xcn** files. Microsoft Internet Explorer already knows that NCD Thin Client Xware 5.1 is associated with that file type. To use NCD Thin Client Xware 5.1 connections with Internet Explorer, you'll need to rename the connections from **.xcn** to **.wex**. Then, in Internet Explorer's **View → Options → File Types → New Type**, associate the **.wex** extension with NCD Thin Client Xware's **constart.exe**.

NCD Terminal Console

For NCD Network Computer users, you'll find the familiar NCD Console by running "**<path>xncd.exe console**" from **Start → Run**, where **path** is the NCD Thin Client Xware installation directory.

Performance

Windows NT 4.0, Terminal Server Edition

- You can increase performance when moving and repainting windows by not displaying the contents of a window when you move or resize it. This capability is configurable in Windows. We recommend you right-click on the Windows desktop, select **Properties → Plus!** and turn off Show window contents while dragging.
- If your XDM broadcast connections take a long time to display the list of XDM capable hosts, check the name resolution settings of your TCP/IP software. If DNS is used but is incorrectly configured, lengthy XDM broadcasts can result.

Citrix WinFrame

You can increase performance when moving and repainting windows by turning off **Control Panel → Desktop → Full Drag**.

Host - Specific Common Issues

Common Desktop Environment

If your **xdm** connection to a host running Common Desktop Environment (CDE) does not login correctly and if the NCD Thin Client Xware diagnostics log shows the following errors:

```
OPEN-ATTEMPT attempting to open font...
OPEN-UNMODIFIED...
```

then the **dtlogin** daemon can not locate the font(s) it needs to initialize the CDE environment (`dt-interface user-medium-r-normal-*-*-*-*-*-*..`).

To correct this problem configure a font server on the host to map the correct fonts for NCD Thin Client Xware use.

To setup a font server:

1. Edit the **fontserver.cfg** file located in **/usr/lib/X11** directory (on Solaris this directory is **/usr/openwin/lib/X11**).
2. Add the directory for CDE's standard fonts to the catalogue **/usr/dt/config/xfonts**.

For example the **fontserver.cfg** file might look like this:

```
# font server configuration file

clone-self = on
use-syslog = on

catalogue = /usr/lib/X11/fonts/F3bitmaps/,
            /usr/lib/X11/fonts/Type1/,
            /usr/dt/config/xfonts/,
            /usr/lib/X11/fonts/Speedo/,
            /usr/lib/X11/fonts/misc/,
            /usr/lib/X11/fonts/75dpi/,
            /usr/X11/fonts/100dpi/,
            /usr/openwin/lib/X11/fonts/Xr+/
```

```
# in decipoints
default-point-size = 120
default-resolutions = 75,75,100,100
```

Note Make sure that the paths given in the catalogue are valid and contain valid font files (or fonts.ali files), otherwise the font server will not start.

3. After making these changes to the **fontserver.cfg** file, start the font server (see man pages for details).
4. Finally, configure NCD Thin Client Xware to include the font server in its font search path.

For detailed information about configuring the NCD Thin Client Xware font path, see the online *NCD Thin Client Xware User's Guide*.

NCD Thin Client Xware and HP VUE, CDE, TriTeal TED Desktops

Windows NT 4.0, Terminal Server Edition - only

These desktop X environments should be run with NCD Thin Client Xware in single window mode (**NCD Thin Client Xware Configuration** → **General** → **X Applications** → **Run** in a single window). In single window mode, you can get to your Windows taskbar and application shortcuts by iconifying or moving the NCD Thin Client Xware screen. Because these environments use a remote window manager, set your local window manager to none.

If these applications are in *Run on the desktop* mode, you can only get to your Windows taskbar by pressing Ctrl+Esc.

NCD Thin Client Xware and AIX 3.2.5

If NCD Thin Client Xware connects to an AIX 3.2.5 site and a user logs in via **x_{dm}**, the screen may display characters you don't expect. This occurs because your PC keyboard is mapped as an IBM console by the IBM **x_{dm}** session. To map a PC keyboard, use one of these methods:

- **On networks running only PCs with NCD Thin Client Xware or NCD terminals:** Add this line to the beginning of the `/usr/lib/X11/xdm/Xsession` file:

```
XSTATION=1; export XSTATION
```

This line sets the `XSTATION` variable, causing the `xdm` script files to avoid remapping your keyboard.

- **On networks running IBM consoles and PCs:** Add a line similar to this to the `xdm.config` file:

```
DisplayManager.NCD-PCX.session: /usr/lib/X11/xdm/  
Xsession.ncd
```

where the `Xsession.ncd` script file is identical to the `/usr/lib/X11/xdm/Xsession` script file, except that it sets the `XSTATION` variable (as shown in the above example).

This sets display classes to detect whether the connecting machine is an IBM console or a PC running NCD Thin Client Xware, then directs the machine to use a script file that results in the correct keyboard mapping.

For detailed information about configuring `xdm`, see the *NCD Thin Client Xware User's Guide*.

Viewing the Online User's Guide

To view the online User's Guide or Installation and Configuration Guide:


- **From Windows NT 4.0, Terminal Server:** select **Start** → **Programs** → **NCD Xware** → **Online Documentation** → **Xware Online Documentation**. The Acrobat Reader (AcroRead) displays the online document.
- **From WinFrame 1.x:** select the **Xware Online Documentation** icon in the NCD Xware (common) program group. The Acrobat Reader (AcroRead) displays the online document.

Here are some suggestions for viewing online documents with Acrobat.

Finding information

- **Searching for words:** use the binoculars icon on the toolbar to search for any word in the document.

Jumping to Topics

- Online documents contain jumps that take you directly to the material they reference. Jumps occur in the index, the Table of Contents and wherever the document references page numbers or material on another page. The cursor changes to a pointing hand when over a jump, indicating that additional information is available. Click and the referenced material is immediately displayed.
- Use the double left arrow  in the toolbar to return from topic jumps.

Increasing the Size of the Page

To make the online document larger, select **View → Zoom To**.

Printing the Document

If you need to print specific pages or even an entire section of a manual, select **File → Print**.

For additional information about using the Acrobat Reader, see the Help menu and Help topics in the Acrobat Reader.

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