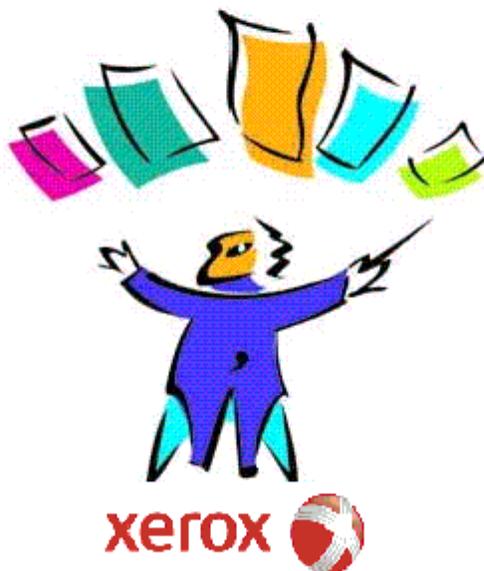


Xerox CentreWare™ for Tivoli



Xerox CentreWare™ for Tivoli NetView Users Guide

Version 1.1.8

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Introduction

This User guide describes the installation and features of Xerox CentreWare® for Tivoli NetView. As an enterprise network management application, Tivoli NetView provides the ability to view and centrally manage network resources. With the addition of the CentreWare® snap-in for Tivoli NetView, this application can additionally provide the status of Xerox devices on the network.

When successfully installed, you will be able to view all of the discovered Xerox network devices under one SmartSet in Tivoli NetView. CentreWare for Tivoli NetView provides full integration with the Event Browser, and the choice to integrate with Tivoli Enterprise Console (TEC).

In addition, CentreWare® for Tivoli NetView enables Tivoli NetView to:

- Provide the automatic identification of Xerox printers on your network and present them with recognizable icons.
- Provide special status and notifications to Tivoli NetView users about Xerox devices.
- Device status will be enhanced by a rich MIB data set.
- Display standard Tivoli NetView color coding for the Xerox Printer Agent icon.
- Automatically notify the user about Xerox device events and problems through the use of SNMP event traps.
- Launch CentreWare® Internet Services using a standard web browser available via web server in certain Xerox networked devices.

NOTE: this assumes all Xerox networked devices will include an Embedded Web Server.

How to use this Document

This document assumes that you have a working knowledge and familiarity with Tivoli NetView. Only procedures that result from the installation of the CentreWare® for Tivoli NetView snap-in are described.

You may print all or part of this document at any time from your Adobe Acrobat reader by clicking the **File** menu and then selecting **Print**. You may then select a single page, a range of pages, or the entire document for printing.

For initial installation

Read and follow this section:

[CentreWare® for Tivoli NetView Software Installation](#)

For day-to-day tasks

Read and follow these sections:

[Using CentreWare® for Tivoli NetView](#)

[Troubleshooting](#)

Key Benefits and Features

Feature	Benefits
Device Discovery	Provides the automatic identification of Xerox devices on your network and presents them with recognizable icons.
Color-Coded Device Status	Automatically changes the color in the device icon to reflect the device status in the IP map and Xerox printers SmartSet.
Access to the device embedded web server, CentreWare® Internet Services	If your device contains an embedded web server (CentreWare® Internet Services), you can easily access it by selecting Server Home Page under the NetView Tools menu WEB Device Mgmt menu Home Page selection.
Custom SmartSet for Xerox Devices	Managing the Xerox devices on your network is made much easier by displaying all the discovered Xerox devices in a single Xerox device SmartSet.
SNMP Trap Support	Provides option for registering with Xerox networked devices for SNMP Traps automatically, without having to configure each device individually.
Integration with Tivoli Enterprise Console (TEC)	By following the step-by-step instructions given in this document, you can forward printer events to TEC.
Integration with Event Browser	Automate event responses and view events in the Event Browser.
Access to Xerox CentreWareWeb ® Server	If you've configured access to a Xerox CentreWareWeb® server using the Tools->Xerox CWW Server->Server configuration , you can easily launch the server homepage by using the Tools->Xerox CWW Server->Device Launch .

System Requirements

This solution modifies existing Tivoli NetView files and adds a few small files to your hard disk. The total hardware and software requirements are as follows:

NT/2000/XP/2003 Hardware Requirements

- Pentium PC
- Minimum 64 Megabytes RAM
- Minimum 30 Megabytes Free Hard Disk Space

AIX/Solaris Hardware Requirements

- IBM PowerPC or equivalent/Sun Sparc
- 128 MB memory (256 MB recommended)
- Minimum 30 Megabytes Free Hard Disk Space

NT/2000/XP/2003 Software Requirements

- Tivoli NetView version 6.x or 7.x or greater
- Microsoft Windows NT Workstation or Server Version 4.0 SP6 / Windows 2000 SP2/Windows XP SP2/Windows 2003 Server
- NT Scheduler Service installed and running.
- Java Virtual Machine V1.2.2 or later

AIX/Solaris Software Requirements

- AIX version 4.3.3 Maintenance Level 4330-02
- Sun Solaris 7 or higher with Sun Microsystems recommended patches.
- Tivoli NetView version 6.x or 7.x or greater
- The Common Desktop Environment (CDE) X Windows and OSF/Motif
- Netscape Navigator web browser version 4.6 or later
- Java Virtual Machine V1.2.2 or later
- GCC libraries for your operating system, libgcc-3.2-solX-sparc-local.gz or later

**Before You Start
CentreWare® for
Tivoli NetView**

Connect your device to an active network with appropriate cabling. Ensure the device has a valid, unique IP address.

CentreWare® for Tivoli NetView Software Installation

Web Installation Windows

The latest version of CentreWare® for Tivoli NetView is available from the Xerox Website at: <http://www.xerox.com>

Perform the following steps to install CentreWare® for Tivoli NetView:

NT-XP-2000

- 1** After downloading the file to a temporary folder, double click on the icon to extract the files.
- 2** Double click on the file **CW4Tivolix.x.xwin.exe**.
- 3** The software will begin the installation process. After a few moments, the Install Shield Wizard will load.
- 4** Select **Next** again to begin. The necessary files in your Tivoli NetView environment will be modified and copied to the selected folder along with any additional files required.
- 5** The installation process will take some time to complete. Follow the instructions on your screen.
- 6** When the install is complete, start Tivoli NetView.

Web Installation UNIX

AIX/Solaris

- 1** After downloading the file to a temporary folder. In the terminal window go to the directory containing the install binary "CW4Tivolix.x.x.bin".
- 2** Execute the binary by using the following command
Solaris: **./CW4Tivolix.x.xSol.bin** and click enter.
AIX: **./CW4Tivolix.x.xAix.bin** and click enter.
- 3** The software will begin the installation process. After a few moments, the Install Wizard will load.
- 4** Then follow the installation screens until installation completion.
- 5** After the installation is complete, the machine must be rebooted.

Tivoli Enterprise Console (TEC) event forwarding configuration

The Tivoli Enterprise Console, or TEC, is a separate product for concentrating corporate wide events. It also provides a mechanism for filtering undesired events and categorizing events so that different network administrators will receive the most relevant event messages.

Customization is required of both the NetView process for forwarding the printer events and the Event Server rule base to properly display any new events.

After following the directions in the Tivoli documentation for integration of TME10 NetView and TME10 TEC, complete the following steps.

Netview customization

- 1** Locate the file **xrxsniffer.conf**
- 2** Open this file and locate the entries for **-c**, **-w**, and **-o**. Note the trap number for each item. Close the file.
- 3** Locate the file **xrx_events.cds**
- 4** Open this file in your text editor. For each CLASS replace the value for **\$SPECIFIC=** with the corresponding trap number noted above. (**-c** for Critical, **-w** for Warning and **-o** for Other) Save this file but do not close it yet.
- 5** Locate the file **tecad_nv6k.cds**
- 6** Copy the text from the file **xrx_events.cds** and **Paste** it into the file **tecad_nv6k.cds** just before the **IBM_Default_Trap** entry. Save and close both files.
- 7** Close and restart NetView.

CentreWare for Tivoli NetView Software Installation

Addition of Xerox Rule Base to TEC

- 1** Open the **TME** window and double click on the **EventServer** icon. The **Event Server Rule Bases** window will open.
- 2** Select **Create** then select **Rule Base. . .**
- 3** Enter a name for the new Rule Base. Enter the PATH to the file **xerox_event.baroc**. This should be located in a folder named **Xerox** in the folder containing your Tivoli files.
- 4** Select **Close and Save**.
- 5** Right click on the icon for the new Rule Base and select **Import**.
- 6** Click **Import Class Definition**.
- 7** Enter the PATH to the file **xerox_event.baroc**.
- 8** Select **Insert After**.
- 9** From the list, select **tecad_nv6k.baroc**.
- 10** Select **Import and Close**.
- 11** Right click on the icon for the new Rule Base and select **Compile**.
- 12** Right click on the icon for the new Rule Base and select **Load**.
- 13** Close this window.

Note: If a TEC database does not exist, create one following the instructions in your TEC documentation.

- 14** On the TME server (by opening the start menu start\programs\Tivoli) create and Administrator with Username, Label and groupname of NetView.

- 15** Edit Login to include:
`NetView@hostname_of_machine_running_NetView`
- 16** Create the event console under the NetView administrator.
- 17** Right click on the EventServer icon and select Shut down and then **Start-up**.

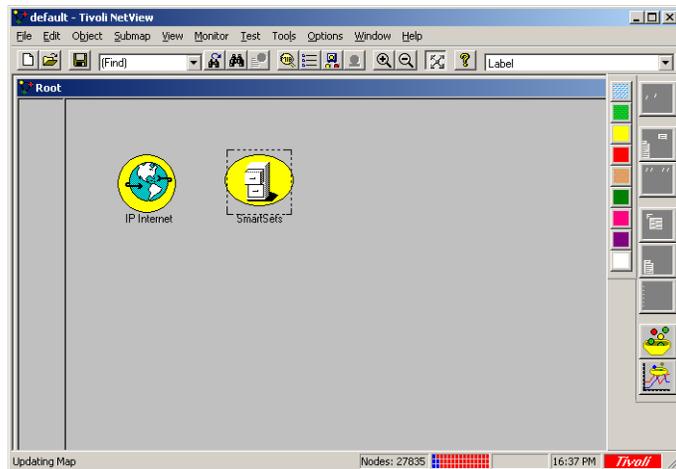
Using CentreWare® for Tivoli NetView

This section describes the features of Tivoli NetView made available by the installation of CentreWare® for Tivoli NetView. Only those features of NetView that are directly related to the CentreWare® functionality will be described. For additional information on Tivoli NetView, go to the Tivoli Home page at:

<http://www.tivoli.com>

The Tivoli NetView Interface

An example of the Tivoli NetView User Interface is shown in the figure below. Note that the standard features of the application are accessed via the Menu bar at the top of the display, and the Tool bar situated below it.



On this display, there is the IP Internet map and SmartSets.

Device Discovery

Tivoli NetView provides the discovery of Xerox devices. CentreWare® for Tivoli NetView additionally enables the identification of these device types as Xerox devices and the assignment of a unique Xerox icon to them.

Xerox Device Icons

CentreWare® for Tivoli NetView uses two icons to represent individual Xerox devices.

The icons for these devices are:



Xerox Printer - This icon represents those devices that are printers only. An example might be one of the Xerox N-Series printers.



Xerox Multifunctional Device - This icon represents devices that have more than just printing capability. The features of these devices may include copying, network scanning, and faxing. An example of this type of device would be the Xerox Document Centre products.

Xerox Printers SmartSet



After successful installation of CentreWare for Tivoli, the user will see all the discovered Xerox printers under one SmartSet. It will also display the current status of all the discovered Xerox printers. The name of this Smartset is **Xerox Printers**.

The printers will now be present in the Xerox SmartSet as well as the General Printer SmartSet. Printers that contain an embedded web server will also appear in the Web SmartSet.

CentreWare for Tivoli will automatically add Xerox printers to this view as they are attached to the network and discovered by Tivoli NetView.

Xerox Printer Agent



When double-clicked, a Xerox Printer icon or Xerox Multifunctional device icon will display another icon called the Xerox Printer Agent icon. Like the other icons in Tivoli NetView, this icon will change when the status of the device changes. The function of this icon is to monitor alarms from the Xerox device and report them to Tivoli NetView.

This icon is created when CentreWare® for Tivoli NetView is installed. It is the only icon whose color is controlled by the CentreWare® snap-in.

Device Status

The Xerox Printer Agent icon will be color-coded to represent the current status of the device in the NetView topology map.

The Agent icon in the IP map will not affect the status or coloring of the IP map. Therefore the IP map will maintain device status as if Xerox CentreWare® for Tivoli NetView was not installed.

The color of the icon is determined by the return code from the device. Under the control of Tivoli NetView, the color will also propagate to the top of the Xerox Printers SmartSet, providing top level indication of problems that exist at lower levels in the map structure. This propagation is controlled by Tivoli NetView, *not* Xerox CentreWare® for Tivoli NetView.

The relation between color-code and the device status is presented in the following table.

Xerox Printer Agent	Color
Critical	Red
Warning	Yellow
Other or no alert	Green

NOTE: The default propagation rule set used by TIVOLI NETVIEW will not propagate the most critical error to the actual printer icon in the Xerox Printers map.

Device Specific Alarms

To view alarms for a specific device in Windows:

Select the device and open it to see the Xerox Agent icon.
Select the **Xerox Agent icon**.
Select the pull down menu.

Tools->EventBrowser

To view alarms for a specific device in UNIX:

Select the **Xerox Device**
Select the pull down menu.

Monitor->Events->Current or Event History

Launch of CentreWare Internet Services

Many Xerox printers contain embedded web servers. Tivoli automatically detects whether a printer contains one and enables the selection of this server home page through the Home Page menu selection.

There are two web menu items under the menu bar

Tools->Web Device Mgmt

Select the **Tools->Web Device Mgmt->Home Page** to access Xerox CentreWare Internet Services.

Xerox CentreWare Internet Service provides a variety of features for configuring and monitoring your printer. More detail is contained in the CentreWare Internet Services User Guide.

To access www.xerox.com:

NT: **Tools->Web Device Mgmt->Vendor Page**

UNIX: **Tools->Web Device Mgmt->Management Page**

The Xerox web site provides information, upgrades, downloads and support information.

Launch of Xerox CentreWareWeb ® Server

CentreWare for Tivoli also provides access from each device to a CentreWare Web server located on your network. CentreWare web provides additional features and utilities to manage and configure your Xerox devices, print queues and reporting.

Configuration – To configure Tivoli Netview to access the CentreWare Web server.

Select the **Xerox Device**
Select the pull down menu

Tools->Xerox CWW Server->Server configuration

Configuration of the CentreWare Web server is required only once and all devices will provide a link to the centreWare web server.

To access the CentreWare web server when configuration is complete.

Select the **Xerox Device**
Select the pull down menu

Tools->Xerox CWW Server->Device Launch

Polling Interval

NetView contains an event browser that displays all NetView specific as well as remote object traps and events. However, the implementation of some Xerox SNMP agents does not generate traps. The printer status information must be requested from the printer using a polling mechanism. Then the desired trap is generated locally on behalf of the printer.

The polling interval is set at installation to 10 minutes. That is, every 10 minutes the printers on the network will be polled for status.

This function is accomplished through the operating systems scheduler.

To access the scheduler in windows:

Type **at** at the dos prompt.

You will see a line of the form:

```
nvsniffer -t 1 -  
c %NV_DRIVE%\usr\ov\conf\xrxsniffer.conf -  
r <polling interval> -s
```

You can change this polling interval to any value by removing the event in the **at** command and running the nvsniffer command with the new polling interval.

Note:- "at" command entry will be created for auto scheduling of "nvsniffer" for Netview version 7.1.3 and above.

To access the scheduler in UNIX:

At a command prompt use this command

```
at -l
```

You will see a list of files in the scheduler queue.

Note the job ID numbers.

For each job number run

```
at -l -v
```

Look for the job with the xrxsniffer entry

```
nvsniffer -t 1 -c /usr/ov/conf/xrxsniffer.conf -  
r <polling interval> -s -t 1 -T 45
```

You can edit the polling interval by removing this job and running the nvsniffer command with the new polling interval.

Status Event Modification

To enable or disable the printer status events for all Xerox printers, the `/usr/OV/conf/xrxsniffer.conf` configuration file can be edited. The second field controls the options to the `xrx_prnStatus.exe` program. Valid options are as follows:

-c event_number

Generate events for critical printer errors.

Uses the provided event number to generate a NetView enterprise specific event.

-w event_number

Generates events for warning printer errors.

Uses the provided event number to generate a NetView enterprise specific event.

-o event_number

Generates events for other printer errors.

Uses the provided event number to generate a NetView enterprise specific event.

-d

Turns on SNMP packet dump for debug purposes.

-l

Turns on logging `/usr/OV/log/xrxpslog.txt`

Separate options with spaces. If the `-c`, `-w` and `-o` options are omitted, color coded status will still be enabled for Xerox printers but without generating NetView events.

Menu Items for Xerox Devices

There are a series of Tivoli NetView menu items that are created when CentreWare® for Tivoli NetView is installed. These menu items reside on the Tools menu on the NetView Menu bar.

Web Browser Menu Item

Many Xerox devices contain embedded web servers. Tivoli NetView automatically detects whether a device contains one and launches CentreWare® Internet Services through the Server Home Page menu selection.

Internet Services provides a variety of features for configuring and monitoring your device.

Consult the manuals and CDs delivered with your device for details on Xerox CentreWare® Internet Services. The Web Browser menu item is used to launch CentreWare® Internet Services for the selected device. To use this feature perform the following steps:

- 1 Select a Xerox device.
- 2 Select **Tools->Web Device Mgmt->Home Page**
- 3 The default web browser for the workstation will be launched, and CentreWare® Internet Services for the device will be displayed.

*NOTE** If the Server Home Page is grey, complete the following steps*

- 1 Right click the **Xerox device**.
- 2 Select **Object Properties**.
- 3 In Attributes, select **General Attributes**.
- 4 Click on the **Edit Attributes** button.
- 5 Click on **isHTTPSupported**
The value should change to True.
- 6 Click **OK**.
- 7 Click **OK**.
- 8 Right click on Xerox device.
- 9 Select **Server Home Page**.

Xerox Trap Registration Menu Items

The Xerox Trap Registration and Xerox Trap UnRegistration menu item will allow the user to select and enable/disable the type of trap configuration desired for the managing workstation. Traps are used to provide an alert the instant an error at the device occurs, rather than waiting for the next status poll. They also provide more detailed troubleshooting information when a device is experiencing a problem.

There are two possible selections for Trap Registration. With **Single Selection**, the user selects a specific Xerox device. Only the device selected will be registered. Any alerts for that device will be seen in the managing workstation's All Alarms Browser.

With the **Register All Devices** the managing workstation is registered at all discovered Xerox networked devices to receive traps. As with Single Selection, any alerts for the devices are seen in the managing workstation's All Alarms Browser.

There are two possible selections for Trap UnRegistration. With **UnRegister Device**, the user selects a specific Xerox device. Only the device selected will be unregistered. Traps from the device are disabled, status will still be maintained by polling.

With the **Unregister All** devices the managing workstation is removed from all discovered Xerox networked devices trap send list. As with UnRegister Device, traps from the device are disabled, status will still be maintained by polling.

Single Trap Selection Menu

This trap configuration registers the selected device. Only one device can be selected at a time.

To use the Single Selection configuration, perform the following steps:

- 1** Select a Xerox device.
- 2** Select the **Tools -> Xerox Trap Registration -> Single Selection**.
- 3** The status of Trap Registration is shown in the pop-up message box.
- 4** The Xerox device will be configured to recognize the managing workstation.
- 5** The SNMP information for that device will be captured and displayed in the All Alarms Browser for the managing workstation.

Register All Devices Menu

In the Register All Devices, all discovered Xerox devices are registered.

To use Register All Devices, perform the following steps:

- 1** Select a **Xerox device**.
- 2** Select the **Tools** menu, **Xerox Trap Registration**, and **Register All Devices**.
- 3** The status of Trap Registration for all devices is shown in the pop-up message box.
- 4** The managing workstation will be registered at all discovered Xerox networked devices which are managed.
- 5** The SNMP information for that device will be captured and displayed in the All Alarms Browser for the managing workstation.

UnRegister Device Selection Menu

This trap configuration registers the selected device. Only one device can be selected at a time.

To use the Single Selection configuration, perform the following steps:

- 1** Select a Xerox device.
- 2** Select the **Tools -> Xerox Trap UnRegistration -> Unregister Device.**
- 3** The status of Trap Registration is shown in the pop-up message box.
- 4** The Xerox device will be configured to recognize the managing workstation.
- 5** The SNMP information for that device will be captured and displayed in the All Alarms Browser for the managing workstation.

UnRegister All Devices Menu

Using the **UnRegister All Device** tool will cause all discovered Xerox devices to be unregistered for traps. This will prevent the device from sending traps to the NetView server.

To use Unregister All Devices, perform the following steps:

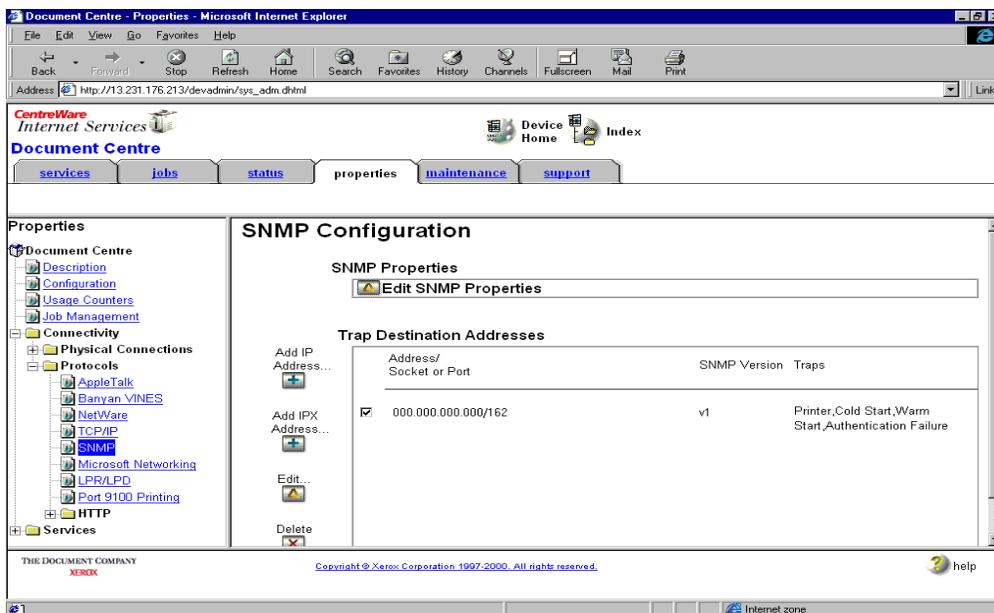
- 1** Select a **Xerox device.**
- 2** Select the **Tools** menu, **Xerox Trap UnRegistration**, and **UnRegister All Devices.**
- 3** The status of Trap Registration for all devices is shown in the pop-up message box.
- 4** The managing workstation will be removed from all discovered and managed Xerox networked devices.
- 5** Traps will no longer be sent from the print device. Status will be maintained by polling.

Confirming SNMP Trap Registration

To confirm SNMP Trap Registration on a specific Xerox device, perform the following steps:

- 1 Right click the Xerox device.
- 2 Select **Tools->Web Device Mgmt->Home Page**
- 3 The default web browser for the workstation will be launched, and CentreWare® Internet Services for the device will be displayed.
- 4 Select the **Properties** tab.
- 5 Select **Connectivity, Protocols** and **SNMP**.
- 6 The screen below is displayed.

NOTE: The procedure and screen may vary between Xerox devices. If the device supports traps, locate the SNMP configuration page for your device.

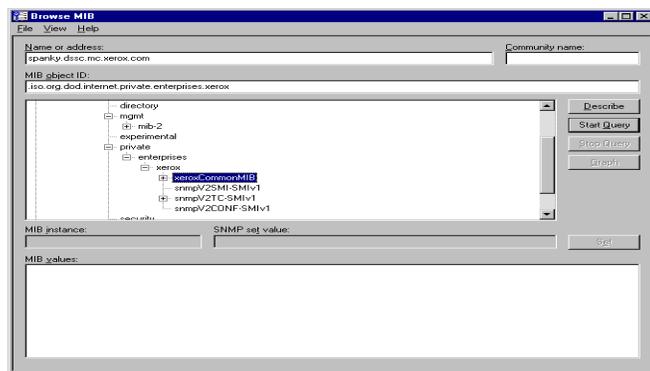


*NOTE***If the Server Home Page is not available, see Web Bowser Menu Item section.*

SNMP MIB Browser Menu Item

The Tools -> SNMP MIB Browser selection will display a MIB browser that allows the user to search for, select, view, and set values for MIB OIDs.

The MIB Browser is a standard feature of the Tivoli NetView application, and is not installed with CentreWare® for Tivoli NetView. However, when CentreWare® for Tivoli NetView is installed, the OIDs for Xerox networked devices are installed, and can be viewed with the SNMP MIB Browser.



Using this browser, the user can access any MIB OID in the configuration. The browser will then allow the user to view the contents of the OID for evaluation and troubleshooting.

MIB Loaded During Installation

In the following table is lists the MIB loaded during installation of Xerox CentreWare® for Tivoli NetView, accompanied by a brief description of the MIB.

NOTE: All Xerox devices support a subset of the included MIB modules. IETF MIBs are supported by all Xerox devices.

MIB Name	Description
Xerox.mib	The single integrated Xerox MIB module

Troubleshooting

If you have problems with Xerox CentreWare® for Tivoli NetView, consult the table below.

Symptoms	Possible Causes	Solution
<p>Installation gives a message box reading <i>"Tivoli NetView demand level is not set to All Levels. Please exit the setup, set the demand level to All Levels from the NETVIEW GUI and then proceed with setup process."</i> and then exits. NT-2000 ONLY</p>	<p>The Demand level of the NETVIEW application is not set to the appropriate value.</p>	<ol style="list-style-type: none"> 1. Before running the CentreWare install, open the NETVIEW GUI. 2. From the menu bar, click Map->Properties. It will open a new window named "Map Properties" 3. Click on the "Applications" tab, select IP Map from the List Box and press the button labeled "Configure for this map". 4. Highlight the field named On-Demand: 5. Select "All Levels". 6. Click the "Verify" button, and upon verification, press the "OK" button. 7. On the "Map Properties" click the "OK" button. It performs some configuration. 8. After the NETVIEW completes configuration, close the NETVIEW window. 9. Begin the installation again.
<p>A Xerox device is not discovered.</p>	<p>The SNMP agent is not working properly in the node.</p> <p>There is a problem with the network connectivity.</p> <p>The Network in which the Device exists is unmanaged.</p>	<p>Ping the Xerox device.</p> <p>Enable SNMP at the device.</p> <p>Check the filter files and ensure segment is enabled for discovery.</p> <p>Ensure topology database is clean with <code>ovtopofix -a</code>.</p> <p>Contact the Network Administrator.</p>
<p>A Xerox device is still not discovered.</p>	<p>The sysObjectId entry in the <code>oid_to_sym</code> , or <code>oid_to_type</code> is missing.</p>	<p>Make the sysObjectId entries in each file using the proper format.</p>
<p>Icon on the map is not the proper Xerox device icon.</p>	<p>The object's SysObjectId in the file <code>oid_to_sym</code> is not properly entered.</p>	<p>Make the sysObjectId entries in the <code>oid_to_sym</code> file in the proper format.</p>

Symptoms	Possible Causes	Solution
The Xerox SmartSet is not displaying the correct color NT-2000 ONLY	The status source for the SmartSet is not set to "propagation from children."	Set the SmartSet status source object property to "propagation from children"
The event adapter tecas_nv6k during TEC installation does not start by entering the command: ovstart tecad_nv6k	The environment variable BINDIR is not properly set.	Set BINDIR to the correct path as given in the script setup_env.cmd
After successful TEC configuration, events are not being displayed in the TEC console.	The Administrator has not been created with the proper login name of NetView (N and V are capital letters)	Edit the login to include: NetView@hostname_of_machine_running_NetView_Server

NOTE: Most of the errors generated by the CentreWare® for Tivoli NetView are logged in a log file. For more information, look into the log file ("install directory"\Xrx_Device_log.txt).

Appendix A – Xerox Installer / Un-Installer

The installer is an Install-Shield application that will automate the addition of the files and perform the required configuration.

The installer will copy bitmap images and registration files into the Tivoli NetView installation directory. It will also edit several files to enable the identification of Xerox devices in Tivoli NetView.

In the information below, the installation directory is given as C:\usr\OV. The installation directory drive is selectable and may be different for your installation.

Windows NT/2000/ XP/2003 Installer

The modifications performed by the installer are as follows. The installer will:

- 1** Edit the file c:\usr\OV\conf\oid_to_type.
- 2** Edit the file c:\usr\OV\conf\oid_to_sym.
- 3** Add new .exes and .dlls under c:\usr\OV\bin directory.
- 4** Add new file xrx_fields under c:\usr\OV\fields\C for Xerox device specific database fields.
- 5** Add new bitmaps for Xerox devices to the C:\usr\OV\bitmaps\C folder and register them.
- 6** Add the new files to the C:\usr\OV\symbols\C folder to add new Xerox printer device symbol class definitions.
- 7** Modify trapd.conf file under C:\usr\OV\conf\, to enable CentreWare® to log traps received from Xerox devices.
- 8** Create the domain Xerox Printers.
- 9** Copy the Xerox MIB files to C:\usr\OV\snmp_mibs\vendor\Xerox and load them.

AIX/Solaris Installer

The modifications performed by the installer are as follows. The installer will:

- 1** Edit the file `/etc/opt/OV/share/conf/oid_to_type`.
- 2** Edit the file `/etc/opt/OV/share/conf/oid_to_sym`.
- 3** Adds a new file `xrx_fields` under `/usr/OV/fields/C` for xerox printer specific database fields.
- 4** Add new bitmaps for Xerox devices to `/usr/OV/bitmaps/C` folder and registers them.
- 5** Add new file `xrxsym` to the `/usr/OV/symbols/C` to add Xerox printer device symbol class definitions.
- 6** Creates the SmartSet Xerox Printers.
- 7** Searches the `trapd.conf` file for three empty event slots between 1000 and 2000. The three traps are then registered using the `addtrap` application.
- 8** Edits the file `xrxsniffer.conf` to include the new trap value and saves it to the `/usr/OV/conf` folder.
- 9** Copy Xerox MIB files to `/usr/OV/snmp_mibs` folder. Loads the MIB in the bin dir.

Windows NT/2000/ XP/2003 Uninstaller

To run the un-installer, use **Add/Remove Programs** in the Windows Control Panel. The un-installer will remove all files copied by the Installer, undo any file changes, and run the custom executable **Xrx_Uninstall.exe**. This will remove the Xerox printer icon, subclass definition, and the alarm object corresponding to Xerox CentreWare® for Tivoli NetView.

It will additionally:

- 1** Remove the lines added to files during installation.
- 2** Delete all files copied.
- 3** Start services by executing ovstart.

AIX/Solaris Uninstaller

Run the custom uninstall executable. Ensure you are not in the directory when running or all folders cannot be deleted.

In a terminal window run the following command:

```
/opt/Xerox/_uninst/CW4TivoliNetView/CW4Tivoli  
x.x.xUninstaller.bin
```

This will remove the Xerox printer icon, subclass definition, and the alarm object corresponding to CentreWare® for Tivoli NetView.

It will additionally:

- 1** Remove the lines added to files during installation.
- 2** Delete all files copied.
- 3** Start services by executing ovstart.