

Intel NetportExpress™ XL Print Server Netport Manager Version 2.5 Release Notes

New features and important information about this release

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1 About Netport Manager

Netport Manager is the Windows* application that you use to configure the NetportExpress XL print server. You can use Netport Manager to configure all other models of Netport print servers, including the NetportExpress EL, Netport II and the original Netport print server. You can run Netport Manager with Windows 3.1, but Netport Manager currently does not run under OS/2*.

This release of Netport Manager includes:

- Support for Novell NetWare Directory Services (NDS). You can load Netport Manager on an NDS workstation to configure the XL for either NDS printing or bindery printing.
- Support for the LANDesk Alert Management System. You can be notified about and respond to print server events such as “printer offline” from the LANDesk system.
- “SnapIn” of the NetportExpress print server, so that you can “see” the NetportExpress XL from the LANDesk system.
- Support for DMI and MIF Setup.

2 Novell NetWare Directory Services (NDS) Support

The XL you install and configure for NDS print server printing or NDS remote printer printing can service queues in a NetWare directory tree.

NDS Security and Reset functionality

In the NDS environment, reset security for the XL relies on the Netport password. Netport Manager users are required to have Administrative privileges to configure the XL, but anyone can reset or

reflash the XL as well as reset the XL's values to factory defaults, unless a Netport password is defined. If a password is defined, then those users who know the password have access to the reset functionality even if they don't have Administrative rights.

Configuring the XL as an NDS print server

The XL authenticates itself to the directory tree and attaches to the specified queue(s). This requires a user login-connection on each of the file servers that the XL services queues on. The only limit to the number of XLs or Netport print servers on a network is the number of available user login-connections. An XL requires one login-connection to service three printers from one file server. Because it is servicing jobs from the NetWare queues, the XL itself does no spooling or queuing, as that is left to NetWare.

To set up the XL as a Novell NDS print server

- 1** From the Configure Menu, choose the Protocols option to display the Configure Protocols window.
- 2** In the Protocols list box, select Novell NDS Print Server.
- 3** In the Port list box, select the port that you want to configure as a Novell NDS print server.
- 4** Choose the Configure button to display the Configure Novell NDS Print Server window.
- 5** Define the Print Server Context, an (optional) Novell Print Server Password, and an (optional) Queue Scan Interval.
- 6** Choose the Printer Context for the printer that's connected to the XL port you're using.
- 7** Choose a context for the print queue. The context you choose determines which unassigned queues are included in the Queue/Context list box. All assigned queues are included in the list box, regardless of their queue context.
- 8** Create and assign the desired print queues.
- 9** Choose OK to save the configuration.
- 10** Choose Close. This resets the XL, so you can use the saved configuration.

Configuring the XL as an NDS remote printer

An XL configured as an NDS remote printer functions as one of the 255 printers that can be associated with a NetWare print server. When the XL is operating as a remote printer, the NetWare PSERVER software takes the print job out of the queue and sends it to the XL. Then the XL supplies the job to the printer through one of its connected ports.

To set up the XL as an NDS remote printer

- 1 From the Configure Menu, choose the Protocols option to display the Configure Protocols window.
- 2 In the Protocols list box, select Novell NDS Remote Printer.
- 3 In the Port list box, select the port that you want to configure as a Novell NDS remote printer.
- 4 Choose the Configure button to display the Configure Novell NDS Remote Printer window.
- 5 Define the Print Server Context and from the Print Server list box, select the name of the Novell PSERVER. This is the PSERVER from which the XL will be a remote printer.
- 6 Choose a Remote Printer Context for the printer that's connected to the XL port you're using.
- 7 Choose a context for the print queue. The context you choose determines which unassigned queues are included in the Queue/Context list box. All assigned queues are included in the list box, regardless of their queue context.
- 8 Create and assign the desired print queues.
- 9 Choose OK to save the configuration.
- 10 Choose Close. This resets the XL, so you can use the saved configuration.
- 11 Stop and restart the PSERVER.

3 LANDesk Management System SnapIn

Intel provides a "SnapIn" utility with your Netport Manager software that allows you to "see" the NetportExpress print server from the LANDesk console.

Note: First make sure the LANDesk Management System is installed on the same workstation as Netport Manager, before you use the Netport SnapIn utility.

To "snap in" the NetportExpress print server to the LANDesk system

Double-click on the "SnapIn" icon in the Netport program group. The SnapIn utility automatically updates the appropriate LANDesk software.

4 LANDesk Alert Management System (AMS) Support

The Alert Management System provides comprehensive alert management for LANDesk system network management. You can assign responses to print server events, such as out of paper or server down, that range from paging or messages to script and program execution.

When the Alert Management System receives an alert from the Netport print server, AMS performs the action you assigned to that alert, and keeps track of all the alerts in the LANDesk Event Handler Log.

- To make the LANDesk system aware of the Netport print server's alerts, use the SnapIn icon supplied with Netport Manager.
- To select which alerts you want the Netport print server to send to LANDesk software, use Netport Manager's menu item Advanced / LANDesk Alerts.
- To set up actions on alerts received from the Netport print server, such as sending a message when the printer is no longer working, use LANDesk Manager's menu item Manage / Events.

Configuring Alerts for LANDesk Alert Management System

To set up the Netport print server to send alerts to LANDesk Manager, choose Advanced / LANDesk Alerts from the menu.

Enable alerts: This checkbox enables or disables the Netport server's ability to send alerts. (Turning this off saves space in Netport FLASH memory.)

LANDesk server: Name of the LANDesk server associated with alerts for this Netport print server.

Kinds of alerts that you can send to LANDesk Manager

Connection alerts: For problems making a network connection with a server, such as Get Nearest Server failures or not enough login slots.

Configuration errors: For problems with the NetWare configuration of the server, such as PCONSOLE errors.

Printer offline: For problems with the printer itself, such as printer offline, out of paper, or toner low.

Changing the LANDesk Server for Alerts

The server name listed as "LANDesk Server" comes from one of these two sources:

- If the Netport print server is configured for alerts, the server name will be read from the Netport print server's FLASH memory.
- If the Netport print server has no configuration for alerts, the server name is read from the LANDESK.INI file on the current workstation. (The current workstation must be configured as a LANDesk workstation.)

To change the server name to a new LANDesk server, you must first remove the current configuration, then reconfigure.

1 Make sure the LANDESK.INI file has the right server name.
Make sure the current workstation is configured as a LANDesk workstation, and that the LANDESK.INI file on the current workstation contains the name of the server you want.

2 From Netport Manager, remove the current server (that is, remove the Alerts configuration).
Start Netport Manager and choose menu item Advanced / LANDesk Alerts.
Click Remove to remove AMS information from the Netport print server.
Click Close to close the Configure LANDesk Alerts window.

3 From Netport Manager, get a new server (that is, redo the Alerts configuration).
Choose menu item Advanced / LANDesk Alerts.
Check Enable, and select the alerts you want.
Click Save to save the new Alerts information to the Netport print server.

5 DMI and MIF Setup Support

Since DMI (Desktop Management Interface) is a new industry standard, systems manufactured before 1995 will not have DMI software installed. Soon nearly all computers will come with DMI software installed at the time of purchase. Run MIF Setup to see if the DMI is running on your system.

To use DMI, your system requires the following:

- DMI software agent, such as Intel's LANDesk Management Suite 2.0, that runs in the background on your system
- DMI-ready products that contain MIF files
- DMI-compatible management application, such as LANDesk Manager, or any other DMI-compatible network management package

What is MIF?

The Management Information Format (MIF) is an ASCII text file that describes the manageable attributes of a computer's hardware and software components.

Each MIF file contains the manageable characteristics of one product only. MIF files can contain product information as simple or as complex as needed for product manageability. Manufacturers must define and provide MIF files for their products.

When you install an XL into a system, the information in the XL's MIF file is added to the MIF database. The MIF database is a collection of MIF files located on a system or network. Once installed, the component interface communicates this information to the Service Layer, a system-resident program that manages DMI activities.

The XL's MIF file contains customer support information. MIF Setup allows easy installation of

MIF files to prepare your software applications or hardware components for use with the DMI Service Layer. If you don't run MIF Setup, the XL will not be DMI-ready.

If you plan to use DMI, whether or not you have the Service Layer currently installed, you need to run MIF Setup. MIF Setup handles all installations, with or without the Service Layer.

To run MIF Setup

- 1 From the Netport program group, double-click the MIF Setup icon.
- 2 Follow the instructions in the MIF Setup window.

6 Upgrading the Application Code for an XL

There are two choices:

- You can save the new Application Code on a different RBL server than the current one. This choice allows you to gradually introduce Netports with NDS support into your environment.
- You can save the new Application Code on the current RBL server. This choice requires you to update all Netport XL and EL print servers, both Ethernet and Token Ring, even if you use the new software on only one XL or EL.

To verify that your Netport has the correct RBL and Application Code, check the status from Netport Manager.

The software uses Flash memory, allowing Intel to provide you with enhanced functionality while preserving your hardware investment. See the product documentation and online Help for information about installing and configuring your XL or EL, and how to update the Flash memory and the Application Code on the RBL file server.

Novell NetWare: The Application Code is stored in the SYS:LOGIN directory of the RBL file server. After you install a new version of Netport Manager, it then copies the new Application Code to the SYS:LOGIN directory of the RBL file server(s) you specify as part of the XL configuration.

To upgrade the Application Code for a configured XL

- 1 Start Netport Manager and select the Netport you want to upgrade.
- 2 Choose Configure.
- 3 Choose Netport Hardware. Click Change RBL. The Remote Boot Load (RBL) Server field shows the current RBL file server. You can update the Application Code on this RBL server or select another.
- 4 Choose OK. Netport Manager copies the latest version of the Application Code to the RBL server. Other XLs that use the same RBL file server will be upgraded when you reset them.

To update the RBL Flash for a configured XL

- 1 Start Netport Manager and select the Netport print server you want to upgrade.
- 2 From the Utilities Menu, choose the Update RBL Flash option.
- 3 Select the new NFLASH.NET file that you want to use to update the Netport print server.

To update LAN Manager installations

This update is necessary for you to use a NetBIOS server as an RBL server. To do this, you'll have to stop and restart the NetBIOS Monitor.

- 1 From the Netport Manager Manage menu, choose NetBIOS Monitor. You see the Netport Print Monitor Shutdown window.
- 2 Select the Monitor Server you want to shut down. Click OK.
- 3 From the LAN Manager server, run the INSTALL.CMD file from Disk #2 of the Netport Manager installation disks. This updates the LMNPMON.EXE program.

Note: .CMD only runs in OS/2 environments.

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