



Transcend® Enterprise Manager and NetDirector Enterprise Coexistence/Integration

Application Notes

for use on Solaris®, HP-UX, and Windows NT® Workstations

If you have a mixed network environment comprised of both 3Com and Newbridge devices, then you will need to run both Transcend Enterprise Manager and NetDirector Enterprise to manage your network.

To establish coexistence between the two network management applications, read through this document. Coexistence and interoperability between the two applications is supported on Solaris, HP-UX, and Windows NT platforms only.



Be sure to read all relevant Release Notes, Installation Guides, and User Guides for both Transcend Enterprise Manager and NetDirector software

Overview

In continuing to deliver end-to-end solutions to enterprise customers, 3Com, Inc. and Newbridge Networks, Inc. have confirmed coexistence and interoperability between NetDirector Enterprise and Transcend Enterprise Manager.

Combining the power and ease-of-use of both products, this single enterprise management solution manages an entire enterprise product portfolio –allowing you to manage a heterogeneous network of Newbridge and 3Com enterprise LAN devices from a single workstation. Given that both NetDirector and Transcend run on top of HP OpenView, the management workstation has the ability to discover the entire network, represent the devices on a map, and launch the appropriate device managers.

NetDirector is integrated into the HP OpenView network management platform as background daemons and foreground applications. NetDirector runs on Solaris, HP-UX, and Windows NT.

Transcend applications for UNIX, Windows NT, and Windows platforms provide proactive management solutions compatible with Hewlett-Packard, IBM, and Sun management products. These solutions take full advantage of network performance and device status information provided through 3Com SmartAgent® software and RMON/RMON2 probes.

**Additional Transcend
and NetDirector
Documentation**

Transcend documentation is available on the 3Com Web site. The 3Com home page is found at HTTP address www.3com.com; go to the Document Center to access online technical publications. You can also access the Document Center directly by going to HTTP address infodeli.3com.com/index.htm.

NetDirector documentation is available from Newbridge Networks, Inc.

System Requirements

Platform	Requirements
HP-UX	<p>Hardware: HP 9000 Series 700 or 800 workstation Minimum memory: 128 MB + 200 MB swap space 2 Gigabyte hard disk space available Access to a local or remote CD-ROM drive 1280 x 1024 resolution 256-color monitor</p> <p>Software: HP-UX version 10.10, 10.20 HP OpenView version 4.11 Transcend Enterprise Manager version 4.2.1 NetDirector Enterprise 3.2 for UNIX</p>
Solaris	<p>Hardware: Sun Microsystems SPARCstation 5, 10, 20, or Ultra Minimum memory: 128 MB + 200 MB swap space 2 Gigabyte hard disk space available Access to local or remote CD-ROM drive 1152 x 900 resolution 256-color monitor</p> <p>Software: Solaris version 2.4, 2.5, 2.5.1 Solaris binary compatibility package required for all versions HP OpenView version 4.11 Transcend Enterprise Manager version 4.2.1 NetDirector Enterprise 3.2 for UNIX</p>
Windows NT	<p>Hardware: Intel® (or 100% compatible) 200Mhz Pentium or faster microprocessor 128 MB RAM 2 Gigabyte hard disk space available (formatted as an NTFS for maximum security) 120–140 MB of free paging file space SVGA (800x600) monitor with 64K colors CD-ROM Ethernet adapter</p> <p>Software: Windows NT version 4.0 Server HP OpenView Network Node Manager (NNM) version 5.01* Transcend Enterprise Manager version 4.2.1 NetDirector Enterprise 3.4 for Windows NT</p> <p>*Use NNM version 5.01 when running Transcend and NetDirector simultaneously. NetDirector ships with NNM version 5.02.</p>

Application Notes

Read these important application notes in this section before installing NetDirector and Transcend software.

This section describes notes and known problems about the combined environment.

Windows NT Only

- 1 TFTP server conflicts**— NetDirector and Transcend both provide their own TFTP server.

NetDirector's TFTP service is an NT service that is normally configured to start as soon as the system boots while Transcend's TFTP service is launched in the user's desktop after the NetDirector version has started. The Transcend TFTP service displays a message box indicating that there is another TFTP service running.

To set up your TFTP service, you will need to:

- Choose to use the NetDirector TFTP service or switch to the Transcend TFTP service
- Choose a TFTP root directory (the NetDirector or the Transcend TFTP root directory could be used for either TFTP service)
- Copy all necessary files to the TFTP root directory you have chosen to use.

Switching to the Transcend TFTP Service Since NetDirector's TFTP service is normally configured to start when the system boots, follow these steps to switch to the Transcend TFTP service.

- 1** Select Start/Settings/Control Panel.
- 2** Select the Services icon.
- 3** Select the Newbridge TFTP Service.
- 4** Click the Stop button.
- 5** Click Startup.
- 6** Select either Manual or Disabled.

Choosing the TFTP root Directory

Whether you decide to use the NetDirector TFTP service or the Transcend TFTP service, you need to also choose either the NetDirector TFTP root directory or the Transcend TFTP root directory.

To use the Transcend TFTP root directory

The NetDirector TFTP service and certain related applications use the Windows NT Registry to identify the TFTP service root directory.

Change the registry entry to identify the Transcend TFTP root directory. You need to do this even if you are using the Transcend TFTP service, because some Newbridge configuration applications also look at this registry entry.

To change the registry entry, use `regedit.exe`:

- 1 Select Start/Run.
- 2 Type `Regedit` in the open field. Select OK.
- 3 Navigate to:
HKEY_LOCAL_MACHINE/SOFTWARE/UB Networks/TFTP Server.
- 4 Double-click the `NDPath` variable and change the string (default value is `C:\NetDirector\tftpboot`) to the new directory location. (i.e. `C:\TranscendNT\upgrade`).
- 5 If you are using the NetDirector TFTP service, you need to stop and restart that service using the Control Panel in order for the TFTP service to recognize the changes in the registry.

To use the NetDirector TFTP root directory

If you're using the Transcend TFTP service with the NetDirector TFTP root directory, change the `win.ini` file to identify the new TFTP root directory.

To change the `win.ini` file use `sysedit.exe` (or `.com`):

- 1 Select Start/Run.
- 2 Type `sysedit` in the open field. Select OK.
- 3 Select the `win.ini` file.
- 4 Locate the `[3COM.NM]` section.
- 5 Edit the `TFTPROOT=` line to specify the NetDirector TFTP root directory.
- 6 Save and Exit from `sysedit`.
- 7 Reboot your system in order for the TFTP service to recognize the changes in the `win.ini` file.

Copy Files to the Selected TFTP Service root Directory

If you select the NetDirector TFTP root directory follow these steps.

- Copy Transcend's TFTP root directory files to the NetDirector TFTP root directory. Repeat this procedure whenever you add new agent software into Transcend.

If you select the Transcend TFTP root directory follow these steps.

- Copy NetDirector's TFTP root directory files to the Transcend TFTP root directory. Repeat this procedure whenever you add Newbridge device operational software to NetDirector using the Setup program.