Sun StorEdge™ N8400 Filer Release Notes

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Part No. 806-6888-10
February 2001, Revision A

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Sun StorEdge N8400 Release Notes

This document contains important information about the Sun StorEdge N8400 Filer that was not available at the time the product documentation was published.

Review this document so that you are aware of issues or requirements that can impact the installation and operation of the Sun StorEdge N8400 Filer. This document supplements the information contained in the *Sun StorEdge N8400 Filer Installation, Configuration, and Service Guide* and the *Sun StorEdge N8400 and N8600 Filer Administrator's Guide.* This document is organized as follows:

Reference Documentation

Document TItle	Part Number
Sun StorEdge N8400 Filer Installation, Configuration, and Service Guide	806-6885
Sun StorEdge N8400 and N8600 Filer Administrator's Guide	806-6905

Accessing Sun Documentation Online

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1. **Access Sun StorEdge N8400 Filer product documentation on your browser.**

   `http://www.sun.com`

2. **Select Products & Solutions.**
3. **Under Hardware, select Documentation.**
4. **Under Product Documentation, select Network Storage Solutions.**
5. **Under Product Documentation, select Network-Attached Storage (NAS).**

Starting Up the System

Note – The order in which the machines are powered on is very important.

1. **Power on the Sun StorEdge T3 Disk Trays and wait for them to fully boot.**

   Wait eight minutes. If possible, verify that the flashing LEDs on the rear panel of the disk trays go steady to indicate they are ready.

2. **Power on the Sun Enterprise 420R Server.**

   When the server has booted, the system is ready. You will then be prompted to answer the configuration questions. Refer to the *Sun StorEdge N8400 Filer Installation, Configuration, and Service Guide*.

Sun StorEdge T3 Disk Tray Repair Note

Upon removing a disk drive from a powered-on disk tray, you will have 30 minutes to install a new drive, or the disk tray will automatically power-off.

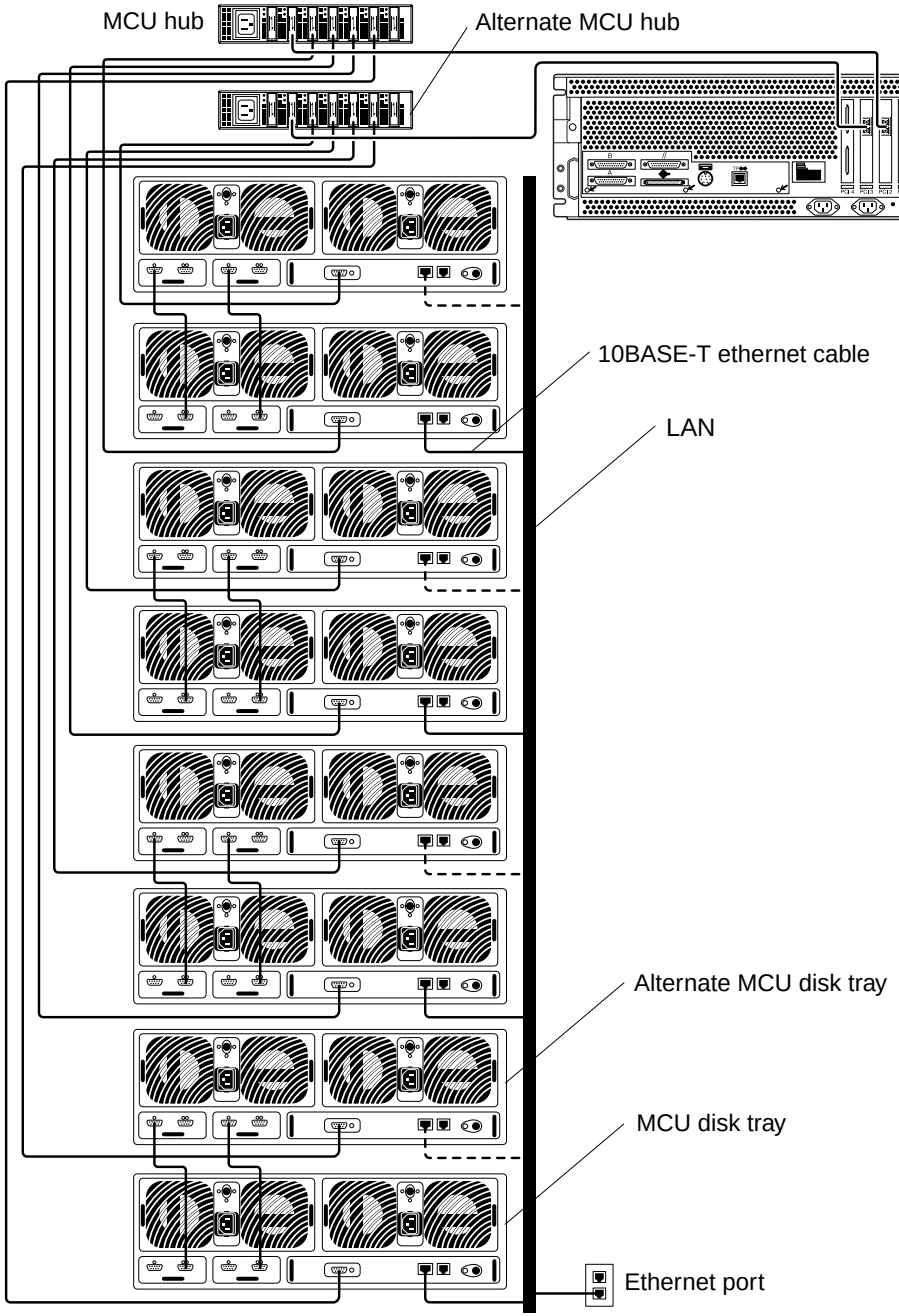


FIGURE 1 Maximum Configuration for the Sun StorEdge N8400 Filer

System Configuration Notes

Configuring LAN Connectivity for the Sun StorEdge T3 Disk Trays

The Sun StorEdge T3 Disk Trays (hereafter referred to as “disk tray”) can be connected to a local area network (LAN) as shown in FIGURE 1. To set up the connectivity for a LAN, perform the following steps.

1. **Connect a terminal (monitor and keyboard) to the Console Port (see** FIGURE 2**) on the back of a Master Controller Unit (MCU) disk tray.**

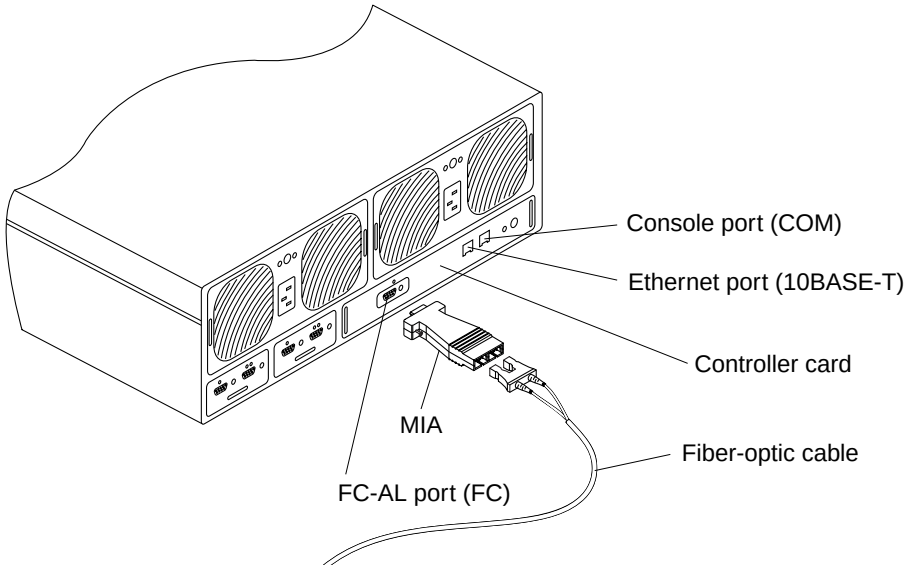


FIGURE 2 Disk Tray Back Panel Details

Note – Disk trays are configured in partner groups consisting of a Master Controller Unit (MCU) disk tray and a Alternate MCU disk tray. The MCU is the bottom unit of the partner group as shown in FIGURE 3.

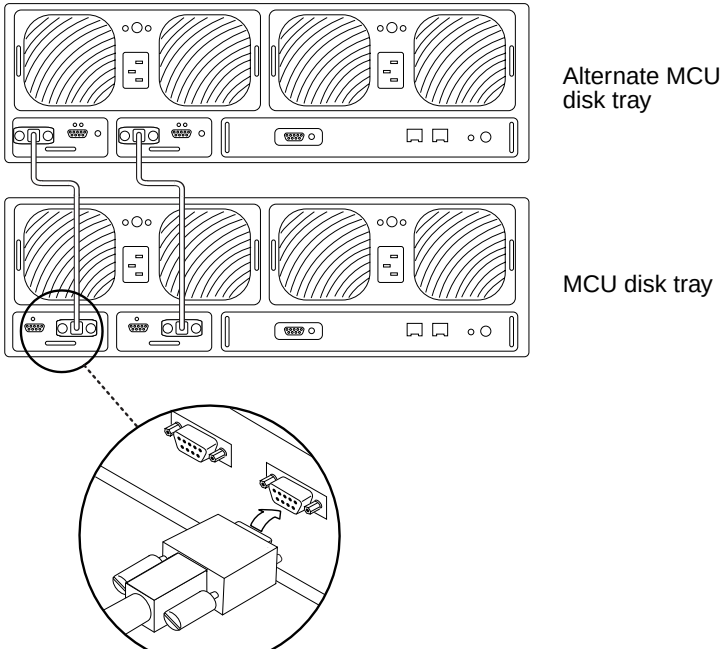


FIGURE 3 Disk Tray Partner Group with MCU Disk Tray Located at the Bottom

If you use this connection, you can proceed to Step 2 on page 12. As an alternative you can connect to the MCU disk tray using either of the following methods:

Tip Server

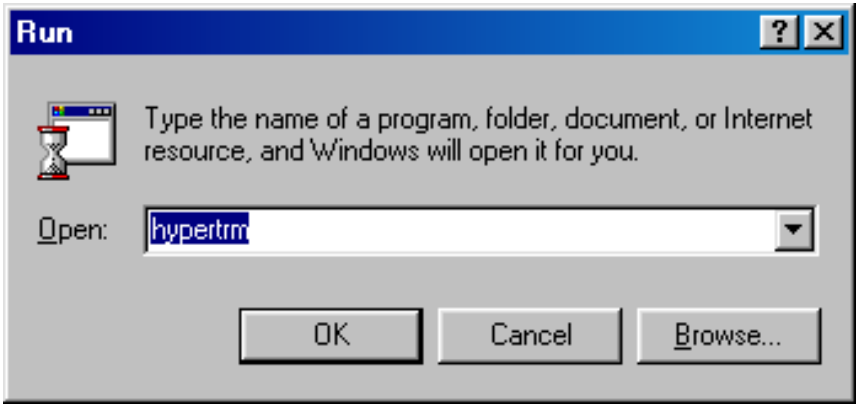
Connect to the disk tray Console Port with your tip server. From a separate workstation, open a telnet session to the tip server and select the corresponding port number that represents the disk tray. Proceed to Step 2 on page 12.

Laptop Computer

Connect a standard telephone line with an RJ-3 connector to the disk tray Console Port. Attach the other end to the appropriate adapter and connect that to the serial port of your laptop PC. Set up a hyperterm connection by performing the following steps.

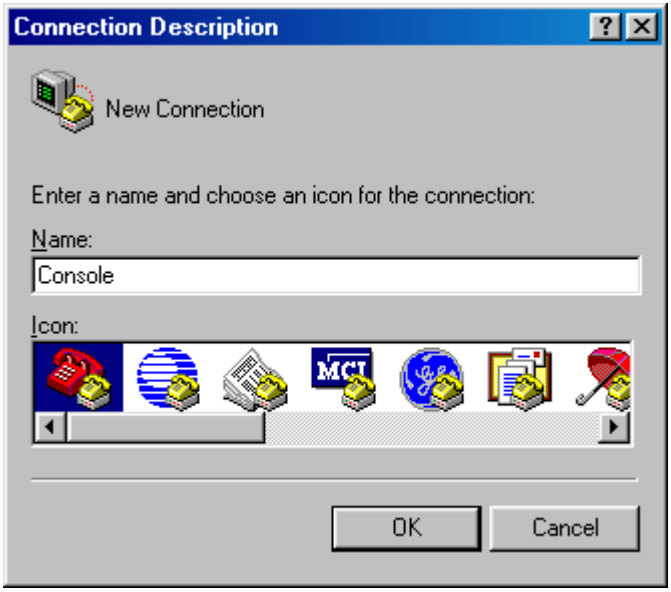
a. Choose: Start → Run.

The Run dialog box is displayed.



b. Type `hypertm`**, and click OK.**

The Connection Description dialog box is displayed.



c. Enter a connection name, choose a connection icon, and click OK.

The Connect To dialog box is displayed.

d. Choose the Com port that will be used to connect to the filer, and then click on OK.

The COM1 (or COM2) Properties dialog box is displayed.

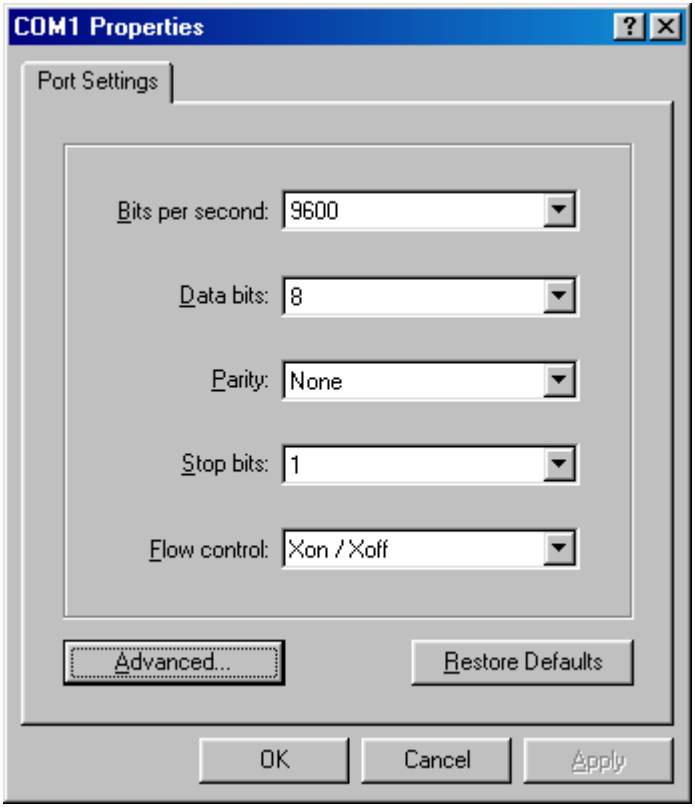


FIGURE 4 Microsoft Windows™ COM1 Properties Dialog Box

e. Choose the exact parameters shown in FIGURE 4**, and then click OK.**

A new window is displayed.

f. Press Enter to bring up the disk tray command-line interface (CLI), or the login dialogue box to access the disk tray CLI.

If the login dialogue box appears, enter the username and password.

2. **Set up the IP Address using the** `set ip` **command.**

   This enables the basic ethernet connectivity to the disk trays. For example:

```
# t300name:/:<n> set ip 129.150.47.86
```

Note – <*n*> = the system-generated command count for each individual session.

3. **Set up the gateway address using the** `set gatway` **command.**

   This enables you to access a disk tray outside of the subnet. For example:

```
# t300name:/:<n> set gateway 129.150.47.1
```

4. **Set the netmask using the** `set netmask` **command.**

   The netmask specifies to network mask used to implement IP subnetting. For example:

```
# t300name:/:<n> set netmask 255.255.255.0
```

   This establishes connectivity for the disk trays.

5. **Reboot the disk tray by typing the following:**

```
# t300name:/:<n> sync
# t300name:/:<n> reset
Reset the system, are you sure? [N]: Y
```

6. **Repeat steps 1 through 5 for every disk tray partner group (by connecting to the MCU disk tray).**

   This completes the LAN configuration.

Configuring the Disk Trays for Monitoring

1. **Set up the LAN as described in "Configuring LAN Connectivity for the Sun StorEdge T3 Disk Trays" on page 7.**
2. **If necessary, access the disk tray's command-line interface (CLI).**
3. **Establish the disk tray host name using the** `set hostname` **command.**

```
# t300name:/:<n> set hostname hostname
```

Note – <*n*> = the system-generated command count for each individual session.

4. **Disable the disk tray local/syslog and switch to SNMP by using the** `set logto` **command.**

```
# t300name:/:<n> set logto *
```

5. **To enable an ftp connection to the disk tray, set the root password using the** `passwd` **command.**

```
# t300name:/:<n> passwd
# t300name:/:<n> [old] password
# t300name:/:<n> [new] password
# t300name:/:<n> [new] password
```

6. **Use a text editor on the server to create a** `syslog.conf` **file in the** `/tmp` **directory that contains the following entry:**

   *.info *@hostname*

   where hostname specifies the name of the server.

Note – This allows Info, Notice, Warning, and Error messages to be passed from the disk tray to the server.

7. **Use a text editor on the server to create a** `hosts` **file in the** `/tmp` **directory as follows:**

```
# t300name:/:<n>  IPaddress hostname
```

where IPaddress and hostname specify the IP address and the name of the server.

8. **Start an ftp session from the server to the disk tray IP Address.**

9. **Place the** `syslog.conf` **and** `hosts` **files (created in Step 6 and Step 7 directly above) in the** `/etc` **directory of the disk tray.**

See the example below.

```
# ftp 192.xxx.xxx.xxx
Name (192.xxx.xxx.xxx:root):
331 Password required for root
Password:
230 User root logged in
ftp> cd /etc
250 CWD command successful
ftp> lcd /tmp
local directory now /tmp
ftp> put syslog.conf
200 PORT command successful
150 ASCII data connection for syslog.conf (129.138.210.77,34511)
226 Transfer complete
local: syslog.conf remote: syslog.conf
20 bytes sent in 0.00021 seconds (94.81 Kbytes/s)
ftp> put hosts
200 PORT command successful
150 ASCII data connection for hosts (129.138.210.77,34513)
226 Transfer complete
local: hosts remote: hosts
23 bytes sent in 0.00045 seconds (49.47 Kbytes/s)
ftp> quit
```

10. **Reboot the disk tray by typing the following:**

```
# t300:/etc:<n> sync
# t300:/etc:<n> reset
Reset the system, are you sure? [N]: Y
```

11. **Repeat steps 3 through 10 for every disk tray partner group (by connecting to the MCU disk tray).**

12. **Reboot the server or restart the SNMP daemon.**

    To restart the SNMP daemon, type the following:

```
# /etc/rc2.d/K07snmpdx stop
# /etc/rc2.d/K07snmpdx start
```

    This completes setting up the disk trays for monitoring.

Errata

Sun StorEdge Component Manager

Sun StorEdge Component Manager is no longer shipped with this product. Please disregard all references to Component Manager in all manuals.

Delete the entire section titled “Graphical User Interface (GUI)” under the heading ”Configuration and Monitoring Options” in *Sun StorEdge N8400 Filer Installation, Configuration, and Service Guide*.

`netstat` Command

In chapter 4 of the *Sun StorEdge N8400 and N8600 Filer Administrator’s Guide*, under the `netstat` command

The `-r` option should read:

> Shows the routing tables. Normally, only interface, host, network, and default routes are shown. But when this option is combined with the **`-a`** option, all routes will be printed, including the cache.