Chapter 2 Installation and Configuration

Overview

This chapter explains how to install and configure AutoLoader Software. Also included is information pertaining to proper hardware installation, including SCSI bus termination and requirements for assigning SCSI addresses.

Contents

Installing the Hardware

Please refer to the autoloader manufacturer's documentation for complete hardware installation instructions.

When installing the autoloader, be sure that the SCSI bus is properly terminated and that the autoloader, drive, and host adapter each have a unique SCSI address, as detailed below.

Terminating the SCSI Bus

The SCSI bus must be terminated at both ends for proper backup device operation. Since the SCSI host adapter is shipped with terminating resistors already installed, it is only necessary to terminate the SCSI bus at the backup device. Note that if there are multiple devices daisy-chained on the same SCSI bus, the termination must be on the last device on the bus.

Unless the device is internally terminated, terminate the SCSI bus by installing the external termination block on the back of the autoloader. Note that Palindrome autoloaders are not internally terminated, and require installation of the termination block supplied with the autoloader.

For more information, see the autoloader manufacturer's documentation and the *Installation Guide*.

Assigning Unique SCSI Addresses

The drive and the autoloader must each have a unique SCSI address, which is typically set

using a numbered switch or "thumb wheel" on the back of the device (review the autoloader manufacturer's documentation for specific information on setting the SCSI address on your unit).

If you are using an ADIC DAT 1200 or Palindrome autoloader (such as the Palindrome FAST 2000C Turbo AutoLoader), the drive's SCSI address must be set at 0, 1, 2, or 3. Also, be sure that the drive and autoloader are set to SCSI addresses other than the one used by the host adapter (which is typically 7).

> **NOTE:** Please review Appendix A in this guide for information and any special requirements specific to your autoloader.

AutoLoaders with Multiple Devices

If the autoloader has more than one backup device, the drives' SCSI addresses must be set to the numbers immediately following the autoloader's SCSI address. For example, if the autoloader's SCSI address is set to 2, the first drive must be set to 3, the second drive must be set to 4, etc.

Note that multiple-drive autoloaders require the Multi-Drive version of AutoLoader Software.

See also Appendix A for additional information that may be specific to your autoloader.

Installing AutoLoader Software

Requirements

Before installing AutoLoader Software, be sure one of the following versions of software has been installed:

- Storage Manager version 4.0

- Backup Director version 4.0

> **NOTE:** A separate copy of AutoLoader Software is required for each software installation.

Prior to Installing the Software

If Storage Manager or Backup Director is currently installed, unload PALALDRV.NLM and PALSDRV.NLM at the server console.

To unload the NLMs, at the server console type:

UNLOAD PALMEDIA

UNLOAD PALALDRV

UNLOAD PALSDRV

Installing the Software

If you purchased AutoLoader Software with Backup Director or Storage Manager Software, you can install AutoLoader Software during the installation of Backup Director or Storage Manager software.

If AutoLoader Software was purchased after the Backup Director or Storage Manager software was already installed, perform the following procedures:

1.   Insert the AutoLoader Software diskette into a floppy drive in the workstation.

2.   Open Configuration Manager in Storage Manager or Backup Director.

3.   Open the Install menu and select *AutoLoader Software*.

4.   The following prompt appears:

        Please enter the AutoLoader Software serial number:

        This number is on a label that is on the outside of the AutoLoader Software box. Type the serial number and choose **OK**.

5.   Choose the disk drive containing the diskette. Appropriate files will be copied to the SYS:\SYSTEM directory on the installation server.

Loading PALMEDIA

Prior to loading PALMEDIA, be sure that no cleaning cartridges are in the autoloader. If PALMEDIA is loaded, and the autoloader door is closed, all media in the autoloader will automatically be scanned for label and bar code information.

Cleaning cartridges found during the scanning process will be automatically inserted into a drive and a cleaning operation performed (possibly multiple times). **This may damage the backup device heads**.

Before inserting any cleaning cartridges into the autoloader, see sections "*Configuring Slots*" and "*Configuring a Cleaning Cartridge Slot*" in this chapter.

        >   At the server console, type:

                LOAD PALMEDIA

                Note that PALMEDIA automatically loads the autoloader device driver PALALDRV.NLM.

        >   The AutoLoader Software installation is complete.

Configuring the Autoloader

This section provides instructions for configuring devices and slots within the autoloader. Perform the steps in this section if the autoloader contains multiple drives or if a slot is to be configured for a cleaning cartridge (Which is recommended).

> **NOTE:** If a device in an autoloader was configured prior to installing AutoLoader Software, highlight the device in Device Manager and select *Remove Device* (to remove the device from the device tree) and *Add Device* (to add it back to the tree). The autoloader devices can then be re-configured.

Assigning Logical Names to Devices

For AutoLoader Software to use multiple devices or random access devices, unique logical names must be assigned to each device. Unique default names are automatically entered into the **Name** fields as the devices are added to the device tree. However, you may assign your own logical names.

To assign your own logical name to each backup device:

1. Open the Operations menu in Device Manager and select *Scan for Devices*.

2. If a device is not shown, check that the device is powered on, its SCSI cable is properly connected, the SCSI bus is properly terminated, and the proper device driver is loaded. Then *Scan for Devices* again.

3. When the device is displayed, highlight the device.

4. Open the Operations menu and select *Edit Device*.

5. Enter the logical name into the **Name** field and choose **OK**.

Once assigned, the logical name is stored in the System Control Database. The device can now be used for operations.

Configuring for a Cleaning Cartridge

If you plan to store a cleaning cartridge in the autoloader (tape autoloaders only), either a slot must be configured for each cleaning cartridge or each cleaning cartridge must have a bar code label affixed to it.

To configure a cleaning cartridge slot:

1. In Device Manager, highlight the autoloader device.

2. Open the Operations menu and select *Edit Device*.

3. In the Cleaning field, enter a slot number to be reserved for a cleaning cartridge. Palindrome recommends using the same number as displayed in the **Last** slot field (as shown below).

Once a slot has been configured for a cleaning cartridge, AutoLoader Software will not use

that slot for data tape storage.

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