Preface

This guide provides system administrators, IT professionals, and those responsible for the installation of network attached storage (NAS) devices, with the information necessary to install, configure, and operate the Dell PowerVault 735N NAS appliance. Chapters include the following information:

- Chapter 1 — "Introduction" provides an overview of the system features, as well as the information necessary to perform the initial configuration of the system.

- Chapter 2 — "Dell PowerVault 735 NAS Manager" provides a high-level introduction to the NAS Manager and how to find help.

- Chapter 3 — "Using Dell OpenManage Array Manager Software" provides a comprehensive solution to storage management in an integrated graphical view.

- Chapter 4 — "System Management" provides directions for installing and configuring a Dell OpenManage Remote Assistant Card 2 (DRAC 2) and information about Dell OpenManage Server Assistant.

- Chapter 5 — "System Recovery, Backup, and Restore" provides information on recovering from system failure, and how to back up and restore the system state.

- Chapter 6 — "ActiveArchive" provides information on the creation and preservation of snapshots of the Dell PowerVault 735N NAS appliance system data volumes using Dell ActiveArchive.

- Chapter 7 — "Advanced Features" provides information on network adapter teaming and services for UNIX, Macintosh, and Novell NetWare.

- Chapter 8 — "Setting Up a Second RAID Controller" describes how to set up an optional second redundant array of independent disks (RAID) controller.

- Chapter 9 — "Troubleshooting" lists potential issues with probable causes and possible solutions.

Warranty and Return Policy Information

Dell Computer Corporation ("Dell") manufactures its hardware products from parts and components that are new or equivalent to new in accordance with industry-standard practices. For information about the Dell warranty for your system, see your *System Information* document.

Safety, Regulatory, and Warranty Information

For safety, regulatory, and warranty information for your system, see the *System Information* document included with your system.

Other Documents You May Need

In addition to this *System Administrator's Guide*, the following documentation is included with your system:

- The *Dell PowerVault 735N Systems User's Guide*, which describes system features, technical specifications, and device drivers.

- The *Dell PowerVault 735N Systems Installation and Troubleshooting Guide* provides instructions for installing system hardware and includes troubleshooting and diagnostic procedures for testing your system.

- Supporting system documentation on the *Dell PowerVault 735N NAS Appliance Resource* CD, that includes information about all the option cards and software installed.

- The *Dell System Information* document, which provides basic information about your system.

- The *Dell OpenManage Array Manager User's Guide* provides instructions for using the Dell OpenManage Array Manager common interface for configuring and managing local and remote storage.

- The *Dell OpenManage Remote Assistant Card Version 2.3 (DRAC 2) User's Guide* provides instructions for using the DRAC 2 to manage and use a server through a modem or network connection, even when the server itself is down.

- The *Dell OpenManage Server Agent Messages Reference Guide* describes the event messages logged by the Dell OpenManage Server Agent 4.0 or later.

- The *Dell PowerVault 735N Systems Service Manual*, which contains detailed information on servicing your system. This information is available only at **http://support.dell.com**.

You may also have one or more of the following documents:

- Documentation that is included with options you purchase separately from the system. This documentation includes information that you need to configure and install these options in your Dell system.

- Technical information files—sometimes called "readme" files—that might be installed on the hard-disk drive to provide last-minute updates about technical changes to the system or advanced technical reference material intended for experienced users or technicians.

- Documentation updates that are sometimes included with the system to describe changes to the system or software. Always read these updates before consulting any other documentation. These updates often contain information that supersedes the information in the other documents.

Notational Conventions

The following subsections describe notational conventions used in this document.

Notes, Notices, Cautions, and Warnings

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, notices, cautions, and warnings, and they are used as follows:

NOTE: A NOTE indicates important information that helps you make better use of your system.

NOTICE: A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates the potential for bodily harm and tells you how to avoid the problem.

Some warnings may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the warning is mandated by regulatory authority.

Typographical Conventions

The following list defines (where appropriate) and illustrates typographical conventions used as visual cues for specific elements of text throughout this document:

- *Keycaps*, the labeling that appears on the keys on a keyboard, are enclosed in angle brackets.

   Example: <Enter>

- *Key combinations* are series of keys to be pressed simultaneously (unless otherwise indicated) to perform a single function.

- Example: <Ctrl><Alt><Enter>

- *Commands* presented in lowercase bold are for reference purposes only and are not intended to be typed when referenced.

   Example: "Use the **format** command to..."

   In contrast, commands presented in the Courier New font are part of an instruction and intended to be typed.

   Example: "Type `format a:` to format the diskette in drive A."

- *Filenames* and *directory names* are presented in lowercase bold.

   Examples: **autoexec.bat** and **c:\windows**

- *Syntax lines* consist of a command and all its possible parameters. Commands are displayed in lowercase bold; variable parameters (those for which you substitute a value) are displayed in lowercase italics; constant parameters are displayed in lowercase bold. The brackets indicate items that are optional.

  Example: **del** [*drive:*] [*path*] *filename* [**/p**]

- *Command lines* consist of a command and may include one or more of the command's possible parameters. Command lines are presented in the Courier New font.

  Example: `del c:\myfile.doc`

- *Screen text* is text that appears on the screen of your monitor or display. It can be a system message, for example, or it can be text that you are instructed to type as part of a command (referred to as a *command line*). Screen text is presented in the Courier New font.

  Example: The following message appears on your screen:

  `No boot device available`

  Example: "Type `md c:\programs` and press <Enter>."

- *Variables* are placeholders for which you substitute a value. They are presented in italics.

  Example: DIMM*x* (where *x* represents the DIMM socket designation).