

Preface

The *Netra ct Server Service Manual* contains procedures for the removal and replacement of the field-replaceable units (FRUs) in a Netra™ ct server.

The intended reader of this manual is a service provider or experienced system administrator who has experience installing hardware—systems and components—and has used the Solaris™ operating environment. The reader should be comfortable with LAN fundamentals and with networking in general.

Before performing the procedures described in this book, you should have completed the installation and setup of the Netra ct server as described in the *Netra ct Server Installation Guide*.

Safety and Compliance

All Netra ct servers are shipped with the *Netra ct Server Safety and Compliance Manual*, which specifies the environmental and electrical safety requirements for the product and contains compliance certification for various countries.

How This Book Is Organized

Part I “Preparing for Service”

Chapter 1 describes the procedures you need to perform before installing, removing, or replacing field-replaceable units (FRUs) in a Netra ct server.

Chapter 2 gives the hardware and software procedures for powering the Netra ct server on and off.

Chapter 3 provides instructions for handling the cPCI cards and assemblies correctly.

Part II “Troubleshooting the System”

Chapter 4 provides troubleshooting procedures for the Netra ct server.

Part III “Replacing Hot-Swappable FRUs”

Chapter 5 describes the hot-swap software commands.

Chapter 6 gives instructions for removing and replacing hot-swappable cards.

Chapter 7 contains instructions for removing and replacing hard disk drives and removable media.

Chapter 8 gives instructions for removing and replacing hot-swappable subassemblies.

Part IV “Replacing Cold-Swappable FRUs”

Chapter 9 provides instructions for removing and replacing the Netra ct 800 server and Netra ct 400 server.

Chapter 10 gives instructions for removing and replacing cold-swappable cards.

Chapter 11 gives instructions for removing and replacing cold-replaceable subassemblies.

Part V “Illustrated Parts Breakdown”

Chapter 12 gives the illustrated parts breakdown for the Netra ct server.

Part VI “Appendixes, Glossary, and Index”

Appendix A lists the connector pinouts for the cards in the Netra ct server.

Appendix B provides instructions for connecting a terminal console to the server.

Appendix C gives the error messages for the Netra ct server.

Appendix D gives the system specifications for the Netra ct server.

Appendix E tells how to upgrade the memory on the CPU card installed in the Netra ct server.

Using UNIX Commands

This document contains only limited information on basic UNIX® commands and procedures such as shutting down the system, booting the system, and configuring devices.

See one or more of the following for this information:

- *Solaris Handbook for Sun Peripherals* (shipped in AnswerBook2™ form, available in printed form as an at-cost option)
- AnswerBook online documentation for the Solaris software environment
- Other software documentation that you received with your system

Typographic Conventions

Typeface or Symbol	Meaning	Examples
AaBbCc123	The names of commands, files, and directories; on-screen computer output	Edit your <code>.login</code> file. Use <code>ls -a</code> to list all files. % You have mail.
AaBbCc123	What you type, when contrasted with on-screen computer output	% su Password:
<i>AaBbCc123</i>	Book titles, new words or terms, words to be emphasized	Read Chapter 6 in the <i>User's Guide</i> . These are called <i>class</i> options. You <i>must</i> be superuser to do this.
	Command-line variable; replace with a real name or value	To delete a file, type <code>rm filename</code> .

Shell Prompts

Shell	Prompt
C shell	<i>machine_name%</i>
C shell superuser	<i>machine_name#</i>
Bourne shell and Korn shell	\$
Bourne shell and Korn shell superuser	#

Related Documentation

In addition to this manual, the Netra ct server is accompanied by the following manuals:

Title	Part Number
<i>Netra ct Server Start Here</i>	806-5161
<i>Netra ct Server Product Notes</i>	806-3299
<i>Netra ct Server Safety and Compliance Manual</i>	806-3295
<i>Netra ct Server Product Overview</i>	806-3298
<i>Netra ct Server Installation Guide</i>	806-3294
<i>Sun Remote System Control (RSC) User's Guide for Netra ct Server Alarm Card</i>	806-3301

Depending on the options you might have purchased for your machine, you might have also received manuals for network interface cards.

As mentioned above, as a Netra ct server purchaser, you receive a suite of online documentation for the Solaris operating environment.

Accessing Sun Documentation Online

Documentation and product information for the Netra product line is available at:

<http://www.sun.com/products-n-solutions/hw/networking>

The docs.sun.comsm web site enables you to access Sun technical documentation for the Solaris operating environment on the Web. You can browse the docs.sun.com archive or search for a specific book title or subject at:

<http://docs.sun.com>

Ordering Sun Documentation

Fatbrain.com, an Internet professional bookstore, stocks select product documentation from Sun Microsystems, Inc.

For a list of documents and how to order them, visit the Sun Documentation Center on Fatbrain.com at:

<http://www.fatbrain.com/documentation/sun>

Sun Welcomes Your Comments

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