Solaris™ 8 on Sun™ Hardware Documentation Guide

Sun Microsystems, Inc.
901 San Antonio Road
Palo Alto, CA 94303-4900
U.S.A. 650-960-1300

Part No. 806-2194-10
February 2000, Revision A

Send comments about this document to: docfeedback@sun.com

Copyright 2000 Sun Microsystems, Inc., 901 San Antonio Road, Palo Alto, California 94303-4900 U.S.A. All rights reserved.

This product or document is protected by copyright and distributed under licenses restricting its use, copying, distribution, and decompilation. No part of this product or document may be reproduced in any form by any means without prior written authorization of Sun and its licensors, if any. Third-party software, including font technology, is copyrighted and licensed from Sun suppliers.

Parts of the product may be derived from Berkeley BSD systems, licensed from the University of California. UNIX is a registered trademark in the U.S. and other countries, exclusively licensed through X/Open Company, Ltd. For Netscape Communicator™, the following notice applies: Copyright 1995 Netscape Communications Corporation. All rights reserved.

Sun, Sun Microsystems, the Sun logo, SunStore, AnswerBook2, docs.sun.com, Power Management, SunVTS, TurboGXplus, NFS, Enterprise, OpenGL, FastEthernet, SunFastEthernet, Ultra, OpenBoot, Voyager, SunFDDI, and Solaris are trademarks, registered trademarks, or service marks of Sun Microsystems, Inc. in the U.S. and other countries. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. in the U.S. and other countries. Products bearing SPARC trademarks are based upon an architecture developed by Sun Microsystems, Inc.

The OPEN LOOK and Sun™ Graphical User Interface was developed by Sun Microsystems, Inc. for its users and licensees. Sun acknowledges the pioneering efforts of Xerox in researching and developing the concept of visual or graphical user interfaces for the computer industry. Sun holds a non-exclusive license from Xerox to the Xerox Graphical User Interface, which license also covers Sun's licensees who implement OPEN LOOK GUIs and otherwise comply with Sun's written license agreements.

RESTRICTED RIGHTS: Use, duplication, or disclosure by the U.S. Government is subject to restrictions of FAR 52.227-14(g)(2)(6/87) and FAR 52.227-19(6/87), or DFAR 252.227-7015(b)(6/95) and DFAR 227.7202-3(a).

DOCUMENTATION IS PROVIDED "AS IS" AND ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT SUCH DISCLAIMERS ARE HELD TO BE LEGALLY INVALID.

Copyright 2000 Sun Microsystems, Inc., 901 San Antonio Road, Palo Alto, Californie 94303 Etats-Unis. Tous droits réservés.

Ce produit ou document est protégé par un copyright et distribué avec des licences qui en restreignent l'utilisation, la copie, la distribution, et la décompilation. Aucune partie de ce produit ou document ne peut être reproduite sous aucune forme, par quelque moyen que ce soit, sans l'autorisation préalable et écrite de Sun et de ses bailleurs de licence, s'il y en a. Le logiciel détenu par des tiers, et qui comprend la technologie relative aux polices de caractères, est protégé par un copyright et licencié par des fournisseurs de Sun.

Des parties de ce produit pourront être dérivées des systèmes Berkeley BSD licenciés par l'Université de Californie. UNIX est une marque déposée aux Etats-Unis et dans d'autres pays et licenciée exclusivement par X/Open Company, Ltd. La notice suivante est applicable à Netscape Communicator™ : Copyright 1995 Netscape Communications Corporation. All rights reserved.

Sun, Sun Microsystems, le logo Sun, SunStore, AnswerBook2, docs.sun.com, Power Management, SunVTS, TurboGXplus, NFS, Enterprise, OpenGL, FastEthernet, SunFastEthernet, Ultra, OpenBoot, Voyager, SunFDDI, et Solaris sont des marques de fabrique ou des marques déposées, ou marques de service, de Sun Microsystems, Inc. aux Etats-Unis et dans d'autres pays. Toutes les marques SPARC sont utilisées sous licence et sont des marques de fabrique ou des marques déposées de SPARC International, Inc. aux Etats-Unis et dans d'autres pays. Les produits portant les marques SPARC sont basés sur une architecture développée par Sun Microsystems, Inc.

L'interface d'utilisation graphique OPEN LOOK et Sun™ a été développée par Sun Microsystems, Inc. pour ses utilisateurs et licenciés. Sun reconnaît les efforts de pionniers de Xerox pour la recherche et le développement du concept des interfaces d'utilisation visuelle ou graphique pour l'industrie de l'informatique. Sun détient une licence non exclusive de Xerox sur l'interface d'utilisation graphique Xerox, cette licence couvrant également les licenciés de Sun qui mettent en place l'interface d'utilisation graphique OPEN LOOK et qui en outre se conforment aux licences écrites de Sun.

CETTE PUBLICATION EST FOURNIE "EN L'ETAT" ET AUCUNE GARANTIE, EXPRESSE OU IMPLICITE, N'EST ACCORDEE, Y COMPRIS DES GARANTIES CONCERNANT LA VALEUR MARCHANDE, L'APTITUDE DE LA PUBLICATION A REPONDRE A UNE UTILISATION PARTICULIERE, OU LE FAIT QU'ELLE NE SOIT PAS CONTREFAISANTE DE PRODUIT DE TIERS. CE DENI DE GARANTIE NE S'APPLIQUERAIT PAS, DANS LA MESURE OU IL SERAIT TENU JURIDIQUEMENT NUL ET NON AVENU.

Please
Recycle

Contents

Contents of Solaris 8 on Sun Hardware Documentation Sets 1
General Manuals 1
Platform Note Manuals 4
Manuals Organized by Primary Audience 6
Manuals for End Users 6
Manuals for Administrators 7
Manuals for Developers 7
Additional Information Sources 8
Ordering Sun Documentation 8
Accessing Sun Documentation Online 8

CHAPTER 1

Solaris 8 on Sun Hardware Documentation Guide

This documentation guide describes the manuals included in the AnswerBook™ online documentation sets provided on the Supplement CD for the Solaris™ 8 release. This guide is a supplement to the descriptions of manuals in the *About Solaris 8 Documentation* manual contained in the *Solaris 8 System Administrator Collection*.

The software for the *Solaris 8 on Sun Hardware Collection* is provided on the Supplement CD included in the media kit that contains other Solaris 8 software. For information about installing these AnswerBook sets, refer to the *Sun Hardware Platform Guide* in the media kit that accompanies the Supplement CD.

Contents of Solaris 8 on Sun Hardware Documentation Sets

This section provides short descriptions of each manual in the *Solaris 8 on Sun Hardware Collection* provided on the Supplement CD for the Solaris 8 release.

General Manuals

The following manuals, contained in the *Solaris 8 on Sun Hardware Collection*, may be of interest to users of any Sun system.

Solaris 8 Sun Hardware Platform Guide

This book contains information about the hardware supported by the Solaris 8 operating environment. It also explains how to install and start using the software contained on the Solaris 8 Supplement CD.

Solaris on Sun Hardware Reference Manual Supplement

Read this to find a compilation of manual pages (man pages) provided in packages on the Supplement CD. This includes man pages that cover SunVTS™ software.

Solaris Handbook for Sun Peripherals

Read this if you are installing Sun drives that are used with this release of the Solaris operating environment. This manual covers issues such as configuring SCSI addresses for each drive on your system.

Solaris Handbook for Sun Frame Buffers

Read this for information on using features of the TurboGXplus™, SX, PGX (m64), and Creator Graphics Accelerator frame buffers. This manual also explains how to configure multiple monitors on a system.

SunVTS 4.0 User's Guide

Read this for general instructions on using the SunVTS diagnostic software.

SunVTS 4.0 Test Reference Manual

Read this for detailed information about each test that is provided with the SunVTS diagnostic software.

SunVTS Quick Reference Card

Read this as a reminder of the commands used to start the SunVTS software and the options available through the graphical user interface.

NFS Server Performance and Tuning Guide for Sun Hardware

Read this if you are the system administrator of Sun hardware that is used as an NFS™ server.

PCI: SBus Comparison

Read this if you are a developer familiar with the SBus and you want information about PCI bus differences.

Sun Enterprise 6x00, 5x00, 4x00, and 3x00 Systems Dynamic Reconfiguration User's Guide

Read this book for information about using Dynamic Reconfiguration software features on these Sun Enterprise™ servers.

Note – The *Using Power Management* manual that was in this AnswerBook set in some past Solaris releases is now located in the *Solaris 8 User Collection*.

Sun Enterprise 10000 Dynamic Reconfiguration Reference Manual

Read this book for information about the maintenance commands and the device and network interfaces for Dynamic Reconfiguration (DR).

Sun Enterprise 10000 Dynamic Reconfiguration User's Guide

Read this for information about the Dynamic Reconfiguration (DR) feature, which enables the Sun Enterprise 10000 server administrator to logically attach and detach system boards while the server is running. The system administrator should have a working knowledge of UNIX systems, particularly those based on the Solaris operating environment. The book introduces the reader to the concepts of DR, describes how to configure the system to use DR, and explains how to use DR.

Sun Enterprise Server Alternate Pathing Reference Manual

Read this for information about the maintenance commands and the device and network interfaces for Alternate Pathing (AP).

Sun Enterprise Server Alternate Pathing User's Guide

Read this for information about how to configure and use the Alternate Pathing (AP) software. AP supports high availability of I/O controllers-the hardware components that reside on system boards and enable the Sun Enterprise server to communicate with I/O devices such as disks and networks.

Sun Remote System Control (RSC) Installation Guide

Read this manual for instructions on how to install and configure Sun Remote System Control software.

Sun Remote System Control (RSC) User's Guide

Read this manual for information on how to configure and use Sun Remote System Control software.

Platform Note Manuals

The following manuals, titled *Platform Notes*, apply to specific Sun hardware systems and devices. Examine this list to determine which manuals provide supplemental information relevant to the hardware you use.

Platform Notes: SunATM Driver Software

This book describes how to install and configure a SunATM software, which is used which is used by the SunATM PCI and SBus adapters.

Platform Notes: Sun GigabitEthernet Device Driver

This book describes how to install and configure a Sun GigabitEthernet PCI or SBus device driver.

Platform Notes: The Sun Quad FastEthernet Device Driver

This book describes how to configure the `qfe` driver and driver parameters for the Sun Quad FastEthernet™ PCI adapter and the Sun Quad FastEthernet SBus adapter.

Platform Notes: The hme FastEthernet Device Driver

Read this to configure the `hme` device driver for use with hardware such as the Ultra™ series workstations, the Sun Enterprise servers, the SunSwift™ adapters, and SunFastEthernet™ adapters.

Platform Notes: Sun Enterprise 250 Servers

Read this for information about software configuration of this system.

Platform Notes: Ultra 450 Workstation and Ultra Enterprise 450 Server

Read this for information about software configuration of this system and its disk drives. It includes procedures for hot-plug replacement of disk drives.

Platform Notes: SPARCstation 10SX and SPARCstation 20 System Configuration Guide

Read this if you are a developer and you want to take advantage of the graphics memory features of these systems.

Platform Notes: SPARCstation Voyager Software Guide

Read this for information about Solaris software features provided specifically for use with this nomadic computer. Also refer to this if you are a system administrator supporting users with SPARCstation Voyager™ systems.

Platform Notes: Using luxadm Software

Read this to use the Sun Enterprise Network Array and the SPARCstorage™ Array `luxadm` administrative program provided in this Solaris release. (Users of the SPARCstorage Array should refer to this document if they are familiar with using the `ssaadm` command.)

Platform Notes: Sun Enterprise 6x00/ 5x00/4x00/3x00 Systems

Read this for information specific to these Sun Enterprise servers, such as board "hot-plugging" procedures and new OpenBoot™ commands that can be used with the firmware in those machines.

Platform Notes: SunFDDI Adapters

This book provides information and instructions for configuring the driver software used by the SunFDDI™ adapter.

Platform Notes: SunHSI/S Device Driver

This book provides information and instructions for configuring the SunHSI SBus driver software.

Platform Notes: SunHSI/P Device Driver

This book provides information and instructions for configuring the SunHSI PCI driver software.

Manuals Organized by Primary Audience

Solaris manuals are intended for three primary categories of readers:

- End users
- Administrators
- Developers

Each of the manuals in this documentation set is listed under its primary audience.

Manuals for End Users

- *Solaris 8 on Sun Hardware Platform Guide*
- *Solaris Handbook for Sun Peripherals*
- *Solaris Handbook for Sun Frame Buffers*

- *Platform Notes: SPARCstation Voyager Software Guide*

Manuals for Administrators

- *Solaris Reference Manual Supplement*
- *SunVTS 4.0 User's Guide*
- *SunVTS 4.0 Test Reference Manual*
- *SunVTS Quick Reference Card*
- *NFS Server Performance and Tuning Guide for Sun Hardware*
- *Sun Enterprise 6x00, 5x00, 4x00, and 3x00 Systems Dynamic Reconfiguration User's Guide*
- *Sun Enterprise Server Alternate Pathing Reference Manual*
- *Sun Enterprise Server Alternate Pathing User's Guide*
- *Sun Remote System Control (RSC) Installation Guide*
- *Sun Remote System Control (RSC) User's Guide*
- *Platform Notes: SunATM Driver Software*
- *Platform Notes: Sun GigabitEthernet Device Driver*
- *Platform Notes: The Quad FastEthernet Device Driver*
- *Platform Notes: The hme FastEthernet Device Driver*
- *Platform Notes: Sun Enterprise 250 Server*
- *Platform Notes: Ultra 450 Workstation and Ultra Enterprise 450 Server*
- *Platform Notes: Using luxadm Software*
- *Platform Notes: Sun Enterprise 6x00/5x00/4x00/ 3x00 Systems*
- *Platform Notes: SunFDDI Adapters*
- *Platform Notes: SunHSI/S Device Driver*
- *Platform Notes: SunHSI/P Device Driver*

Manuals for Developers

- *PCI: SBus Comparison*
- *Platform Notes: SPARCstation 10SX and SPARCstation 20 System Configuration Guide*

Additional Information Sources

For information about installing the Solaris operating environment on Sun hardware, see the *Solaris 8 Sun Hardware Platform Guide*, the *Solaris 8 (SPARC Platform Edition) Installation Guide*, and other documentation provided with your Solaris media. Some of these documents are provided as PostScript™ files or in AnswerBook documentation sets, as well as in printed form.

Be sure to check these documents to determine if there are special instructions for installing or using your Sun hardware with this Solaris release.

Note – There are additional documents in the docs directory on the Solaris 8 supplement CD as well as the docs directories of some product-specific directories. See the *Solaris 8 Release Notes Supplement for Sun Hardware* for more information.

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 Fatrain.com at:

`http://www1.fabrain.com/documentation/sun`

Accessing Sun Documentation Online

The `docs.sun.com`SM web site enables you to access Sun technical documentation 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`

Sun Welcomes Your Comments

We are interested in improving our documentation and welcome your comments and suggestions. You can email your comments to us at:

`docfeedback@sun.com`

Please include the part number (806-2194-10) of your document in the subject line of your email.