



Trusted Solaris 8 HW 12/02 Roadmap

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Trusted Solaris 8 HW 12/02 Roadmap

This roadmap can help you get started with the Trusted Solaris™ operating environment. The roadmap provides the following assistance:

- “Trusted Solaris 8 HW 12/02 Materials” on page 5 – A list of materials that are shipped with the product
- “Documentation Overview” on page 6 – An overview of the documentation, including online help, online books, printed books, and man pages
- “Installing the Trusted Solaris Operating Environment” on page 9 – Information that is useful before you install Trusted Solaris software and documentation

Trusted Solaris 8 HW 12/02 Materials

The Trusted Solaris 8 HW 12/02 product includes the following materials:

- **Two Trusted Solaris 8 HW 12/02 Software CDs**

The set of CDs that you receive depends on the platform.

- Two SPARC® Architecture CDs, C locale only
- Two x86 CDs, C locale only

One Solaris Device Configuration Assistant Diskette (x86 only) – Can assist in loading the Trusted Solaris operating environment onto the x86 platform

- **One Trusted Solaris 8 HW 12/02 Documentation CD**

This CD contains the AnswerBook2™ server software and the following collections:

- Trusted Solaris 8 HW 12/02 AnswerBook Collection
- Trusted Solaris 8 HW 12/02 Reference Manual Collection
- Solaris 8 HW 12/02 on Sun Hardware Collection

- **One Solaris 8 2/02 Documentation CD**

This CD includes software documentation for the Solaris operating environment and the Common Desktop Environment (CDE). This documentation supplements the Trusted Solaris documentation. Only the documentation that is localized for the C locale is available for this product. Solaris documentation for other locales can be purchased separately.

Note – If you are displaying the online documentation from a Trusted Solaris server, you must install the Trusted Solaris version of the AnswerBook2 server software. The software is provided on the Trusted Solaris 8 HW 12/02 Documentation CD.

If you are displaying the documentation from a Solaris server, then you must use the AnswerBook2 server software from the Solaris 8 2/02 Documentation CD.

- **Four printed books**

- *Trusted Solaris Installation and Configuration* – Describes the planning and prerequisite knowledge that is necessary for installing and configuring the Trusted Solaris 8 HW 12/02 operating environment.
- *Trusted Solaris 8 HW 12/02 Release Notes* – Provides late-breaking information about the Trusted Solaris 8 HW 12/02 operating environment.
- *The Trusted Solaris 8 HW 12/02 Roadmap* – This document.
- *Trusted Solaris 8 HW 12/02 Transition Guide* – Describes the differences among the Trusted Solaris releases. Also describes the differences between Trusted Solaris releases and the Solaris releases that the Trusted Solaris releases are based on.

Documentation Overview

The Trusted Solaris 8 HW 12/02 operating environment is based on the Solaris 8 2/02 software release and the Solaris 8 HW 12/02 hardware release. Thus, you need access to the complete Solaris 8 2/02 document set in addition to the Trusted Solaris 8 HW 12/02 document set. The Trusted Solaris document set focuses on the those aspects of the environment that are different from the Solaris environment.

The docs.sun.comSM Web site enables you to access Sun technical documentation online. You can browse the docs.sun.com archive or search for a specific book title or subject. The URL is <http://docs.sun.com>. Print versions can be downloaded from this site.

Trusted Solaris 8 HW 12/02 Document Set

The Trusted Solaris 8 HW 12/02 Documentation CD contains instructions on how to install the online versions of the documentation on a Trusted Solaris server at your site. The Trusted Solaris document set consists of the following books:

- *Trusted Solaris 8 HW 12/02 Release Notes* describes late-breaking news about Trusted Solaris 8 HW 12/02 software. The release notes list known problems and their workarounds. (Primary audience: administrators; secondary audience: developers, end users)
- *Trusted Solaris Installation and Configuration* describes how to install the Trusted Solaris operating environment at networked and non-networked sites. (Primary audience: administrators; secondary audience: developers)
- *Trusted Solaris User's Guide* describes the basic features of the Trusted Solaris environment from the end user's point of view. The guide explains basic concepts and provides a glossary of terms. (Primary audience: end users, administrators; secondary audience: developers)
- *Trusted Solaris Administration Overview* explains the concepts of administration in the Trusted Solaris operating environment. This book provides an overview of administrative tools and commands. (Primary audience: administrators; secondary audience: developers)
- *Trusted Solaris Administrator's Procedures* provides detailed information for performing administrative tasks. (Primary audience: administrators; secondary audience: developers)
- *Trusted Solaris Audit Administration* provides detailed information about the auditing system. (Primary audience: administrators; secondary audience: developers)
- *Trusted Solaris Label Administration* provides information on specifying label components in the label encodings file. The label encodings file enforces the various rules that describe well-formed labels for a system. (Primary audience: administrators)
- *Trusted Solaris Developer's Guide* describes how to develop applications for the Trusted Solaris environment. (Primary audience: developers; secondary audience: administrators)
- *Compartmented Mode Workstation Labeling: Encodings Format* describes the syntax of the label encodings file. This book is a third-party document, written by the MITRE Corporation specifically for the U.S. government. The book complements *Trusted Solaris Label Administration*. (Primary audience: administrators; secondary audience: developers)
- *Trusted Solaris 8 HW 12/02 Transition Guide* provides an overview of the differences between earlier versions of the Trusted Solaris, Solaris 8 HW 12/02, and Trusted Solaris 8 HW 12/02 operating environments. The guide also covers the differences between Solaris 8 2/02 software, the Solaris Management Console 2.0 tool, CDE 1.4.8 software, and their modification in Trusted Solaris 8 HW 12/02 software. (Primary audience: administrators, end users; secondary audience: developers)

- *Trusted Solaris 8 HW 12/02 Reference Manual* provides all Trusted Solaris man pages in seven volumes. (Primary audience: all)
- *Trusted Solaris 8 HW 12/02 Roadmap* – This document.

Online Documentation and Man Pages

Online help is provided in the Trusted Solaris operating environment. The Front Panel help icon provides help when you use CDE. The Solaris Management Console help system provides help when you use the administration graphical user interface. This online help describes the Trusted Solaris modifications of CDE and the Solaris Management Console.

An extensive library of man pages for the Trusted Solaris operating environment is available in the *Trusted Solaris 8 HW 12/02 Reference Manual*. You can read man pages at the command line by using the `man` command.

Note – If a man page is in both the Solaris and the Trusted Solaris reference manuals, refer to the man page in the *Trusted Solaris 8 HW 12/02 Reference Manual*. The Trusted Solaris man page includes information that is unique to the Trusted Solaris operating environment.

Accessing Trusted Solaris Man Pages

The man pages for the Trusted Solaris environment reside in three different directories. For the `man` command to find all the Trusted Solaris man pages, your man page path needs to include the following three directories:

- `/usr/man`
- `/usr/openwin/man`
- `/usr/dt/man`

If your site uses other directories for man pages, those directories must also be included in the man page path.

For C shell users, the `MANPATH` variable can be set individually by users in their shell initialization files. The variable can also be set globally by administrators in site-wide shell initialization files. To set the `MANPATH` variable, enter the following:

```
% setenv MANPATH="/usr/dt/man:/usr/openwin/man:/usr/man:$MANPATH"
```

To check a system's current `MANPATH` setting, enter:

```
% echo $MANPATH
/usr/dt/man:/usr/openwin/man:/usr/man:/opt/sun/man:/opt/doctools/man
```

This command displays the three paths that are previously mentioned, and displays any other paths to man pages at your site.

Installing the Trusted Solaris Operating Environment

Installing and configuring the Trusted Solaris environment involves more than loading executable files, entering your site's data, and setting configuration variables. The Trusted Solaris environment also requires considerable background knowledge for making decisions that enforce your site's security policies. Trusted Solaris software provides a unique environment that is based on the following concepts:

- Superuser has been weakened. No user can log in as `root` or `su` to `root`.
- In addition to UNIX[®] permissions, access to data is controlled by special security tags that are called *labels*. Labels are assigned to users and objects, such as data files and directories.
- The ability to override security policy can be assigned to specific users and to particular applications.
- Some users are limited to those applications that are necessary for performing their jobs. Other users are authorized to do more.
- Capabilities formerly assigned to superuser are available to separate, discrete "roles." Roles are assigned to a limited number of users.

If you are unfamiliar with the Trusted Solaris operating environment, you might do the following:

- **Read** – The *Trusted Solaris User's Guide* and the *Trusted Solaris Administration Overview* offer an introduction to the operating environment. You should also be familiar with the rest of the document set, which is described in "Trusted Solaris 8 HW 12/02 Document Set" on page 7.
- **Take a course** – The "Trusted Solaris for System Administrators" course is available from Sun Educational Services. Click the Support & Training link at the Sun Web site, <http://www.sun.com>. Your Sun account representative can help you schedule the class.
- **Prepare for installation** – *Trusted Solaris Installation and Configuration* provides information so that you can devise an installation strategy. Other useful information for the installation process is contained in the Solaris 8 2/02 Installation Collection.

The *Solaris 8 HW 12/02 Sun Hardware Platform Guide* contains important information in the following chapters:

- Chapter 2, "Supported Sun Hardware"
- Chapter 5, "Updating the Flash PROM on the Ultra 1, Ultra 2, Ultra 450, and Sun Enterprise 450 Systems"
- Chapter 6, "Updating the Flash PROM on the Sun Enterprise 3x00, 4x00, 5x00, and 6x00 Systems"

Ultra™ 1, 2, 450, and Sun Enterprise™ 450, 3x00, 4x00, 5x00, and 6x00 systems need a Flash PROM upgrade to enable 64-bit operations.

Although similarities exist between installing the Trusted Solaris 8 HW 12/02 and the Solaris 8 HW 12/02 operating environments, there are some differences. The differences include the following:

- You cannot upgrade from a Solaris environment to a Trusted Solaris environment.
You can upgrade from a Trusted Solaris 8 version of the Trusted Solaris environment to the current Trusted Solaris release.
- The disk space requirements differ between the two products.
- Solaris Web Start installation is not supported in the Trusted Solaris environment.
- **Configure the system according to site security policy** – The additional procedures that are required to configure the system are provided in *Trusted Solaris Installation and Configuration* with pointers to other relevant documentation.