



# Solaris™ Security Toolkit 4.1.1 Release Notes

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# Contents

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**Preface** v

**Solaris Security Toolkit 4.1.1 Release Notes** 1

Changes in Solaris Security Toolkit 4.1.1 Software 1

Required Operating Systems 2

Support for SMS 1.5 Software 2

Solaris Security Toolkit Documentation 2

Solaris Security Toolkit Known Limitations 3

General Notes and Issues 3

    SMS Software and the Solaris Security Toolkit 3

    Solaris Security Toolkit and CTRL-C 3

    fix-modes Display Warnings 4

    Solaris Security Toolkit Questionnaire 4

Bugs in Solaris Security Toolkit Software 4

    undo Reports logadm.conf Changed (Bug ID 5067303) 4

Errata in Solaris Security Toolkit Documentation 5

    banner.msg Mention Missing from Reference Manual (Bug ID 6177578) 5

    Deprecated env var (Bug ID 6177598) 5



# Preface

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This document contains release notes for the Solaris™ Security Toolkit 4.1.1 software, which goes with the Service Management System (SMS) 1.5 software, including the secure by default feature.

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## Before You Read This Document

You should be a Sun Certified System Administrator for Solaris™ or Sun Certified Network Administrator for Solaris™ Operating System. You should also have an understanding of standard network protocols and topologies.

Because this document is designed to be useful to people with varying degrees of experience or knowledge of security, your experience and knowledge determine how you use this document.

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## Using UNIX Commands

This document might not contain information about basic UNIX commands and procedures such as shutting down the system, booting the system, and configuring devices. Refer to the following for this information:

- Software documentation that you received with your system
- Solaris Operating System documentation, which is at:

<http://docs.sun.com>

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# 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	#

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# Typographic Conventions

Typeface*	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. <code>% You have mail.</code>
<b>AaBbCc123</b>	What you type, when contrasted with on-screen computer output	<code>% <b>su</b></code> Password:
<i>AaBbCc123</i>	Book titles, new words or terms, words to be emphasized. Replace command-line variables with real names or values.	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. To delete a file, type <code>rm filename</code> .

\* The settings on your browser might differ from these settings.

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## Related Documentation

The Solaris Security Toolkit documents listed as online are available at:

[http://www.sun.com/products-n-solutions/hardware/docs/Software/enterprise\\_computing/systems\\_management/sst/index.html](http://www.sun.com/products-n-solutions/hardware/docs/Software/enterprise_computing/systems_management/sst/index.html)

The System Management Services 1.5 documents listed as online are available at:

[http://www.sun.com/products-n-solutions/hardware/docs/Servers/High-End\\_Servers/Sun\\_Fire\\_e25K-e20K/SW\\_FW\\_Documentation/SMS/index.html](http://www.sun.com/products-n-solutions/hardware/docs/Servers/High-End_Servers/Sun_Fire_e25K-e20K/SW_FW_Documentation/SMS/index.html)

Application	Title	Part Number	Format	Location
Administration	<i>Solaris Security Toolkit 4.1 Administration Guide</i>	817-7424-10	PDF HTML	Online
Reference	<i>Solaris Security Toolkit 4.1 Reference Manual</i>	817-7750-10	PDF HTML	Online
Man pages	<i>Solaris Security Toolkit 4.1 Man Page Guide</i>	819-0111-10	PDF	Online
Security administration for SMS 1.5	<i>System Management Services (SMS) 1.5 Administrator Guide, Chapter 2</i>	817-7295-10	PDF HTML	Online
Late-breaking news, bugs, and available workarounds	<i>System Management Services (SMS) 1.5 Release Notes</i>	817-7297-10	PDF HTML	Online

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# Documentation, Support, and Training

Sun Function	URL	Description
Documentation	<a href="http://www.sun.com/documentation/">http://www.sun.com/documentation/</a>	Download PDF and HTML documents, and order printed documents
Support	<a href="http://www.sun.com/support/">http://www.sun.com/support/</a>	Obtain technical support and download patches
Training	<a href="http://www.sun.com/training/">http://www.sun.com/training/</a>	Learn about Sun courses

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*Solaris Security Toolkit 4.1.1 Release Notes*, part number 819-1635-10



# Solaris Security Toolkit 4.1.1 Release Notes

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These release notes for the Solaris Security Toolkit 4.1.1 software contain the following topics:

- [“Changes in Solaris Security Toolkit 4.1.1 Software” on page 1](#)
- [“Support for SMS 1.5 Software” on page 2](#)
- [“Required Operating Systems” on page 2](#)
- [“Solaris Security Toolkit Documentation” on page 2](#)
- [“Solaris Security Toolkit Known Limitations” on page 3](#)
- [“General Notes and Issues” on page 3](#)
- [“Bugs in Solaris Security Toolkit Software” on page 4](#)
- [“Errata in Solaris Security Toolkit Documentation” on page 5](#)

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## Changes in Solaris Security Toolkit 4.1.1 Software

This section summarizes the pertinent changes made to the Solaris Security Toolkit 4.1 software for the Solaris Security Toolkit 4.1.1 software release.

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**Note** – The Solaris Security Toolkit 4.1.1 software release is *not* a bug fix release from the Solaris Security Toolkit 4.1 software release.

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- SMS 1.5 support is added.
- SMS 1.5 users are required to execute undo and rehardening in a specific order to make sure failover works for SMS versions less than 1.5. To function, SMS versions less than 1.5 require certain services to be enabled: `login`, `shell`, and

exec. Refer to Chapter 2 of the *System Management Services (SMS) 1.5 Administrator Guide* or the *System Management Services (SMS) 1.5 Release Notes* for more detail.

- Secure Shell (ssh) and insecure services do *not* need to be configured for failover to work.
- Setting the static Address Resolution Protocol (ARP) on the SC is no longer required.
- Domain exclusion must be done manually. Refer to the *System Management Services (SMS) 1.5 Administrator Guide* for instructions.

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## Required Operating Systems

Solaris Security Toolkit 4.1.1 software works only with Solaris 8 or 9 Operating Systems. This Solaris Security Toolkit 4.1.1 release does *not* support *nor* does it work with the Solaris 10 Operating System.

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## Support for SMS 1.5 Software

The Solaris Security Toolkit 4.1.1 software supports the System Management Services (SMS) 1.5 software, including the secure by default feature. To use these features, you need to use Solaris Security Toolkit 4.1.1 software on the system controller (SC). You can find detailed information about securing Sun Fire high-end systems in the *System Management Services (SMS) 1.5 Administrator Guide*, Chapter 2.

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## Solaris Security Toolkit Documentation

For generic information that applies to all Solaris Security Toolkit software, refer to the Solaris Security Toolkit 4.1 documentation at:

[http://www.sun.com/products-n-solutions/hardware/docs/Software/enterprise\\_computing/systems\\_management/sst/index.html](http://www.sun.com/products-n-solutions/hardware/docs/Software/enterprise_computing/systems_management/sst/index.html)

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# Solaris Security Toolkit Known Limitations

This section contains known limitations for the Solaris Security Toolkit 4.1 and 4.1.1 software:

- While the Solaris Security Toolkit 4.1.1 software maintains its functionality for disabling system accounts (see the finish script `disable-system-accounts.fin`), it no longer modifies the system to record login attempts to those disabled accounts.

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## General Notes and Issues

This section contains general notes and issues that involve the Solaris Security Toolkit 4.1 and 4.1.1 software.

## SMS Software and the Solaris Security Toolkit

Supported SMS upgrade and downgrade are referenced in the SMS high-end system product documentation. When performing SMS upgrade/downgrade operations on System Controllers hardened by the Solaris Security Toolkit, run in audit mode after the upgrade/downgrade is complete. Running in audit mode verifies that the System Controller is in the proper configuration. If any vulnerabilities are identified, rerun hardening.

## Solaris Security Toolkit and CTRL-C

Performing a CTRL-C during Solaris Security Toolkit hardening and undo operations could result in an inconsistent system state. Hardening operations should be allowed to complete and then a subsequent undo operation performed instead of interrupting the hardening operation. Do *not* use CTRL-C for error handling or to interrupt a Toolkit run. Wait until the operation has finished and then re-perform hardening or undo operations.

## fix-modes Display Warnings

When executing `fix-modes` during package installation, `secure-modes` warnings are displayed. These warnings are the result of a file formatting problem in Solaris software and can be ignored safely.

## Solaris Security Toolkit Questionnaire

To better understand the needs and requirements of the Solaris Security Toolkit users, a questionnaire has been placed in the `Documentation` directory (`<JASS_HOME directory>/Documentation/QUESTIONNAIRE`). The purpose of this survey is to better focus on customer needs in future development efforts. Your participation would be greatly appreciated.

Submit completed surveys to: `sst-questionnaire@sun.com`

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## Bugs in Solaris Security Toolkit Software

This section summarizes the most important bugs and RFEs in the Solaris Security Toolkit 4.1 and 4.1.1 software.

### undo Reports `logadm.conf` Changed (Bug ID 5067303)

If, after hardening the system with the `update-cron-log-size.fin` and `enable-process-accounting.fin` scripts, the system is rebooted and an undo of the hardening run performed, the undo reports that `/etc/logadm.conf` has changed and prompts with the usual Backup, Force, or Keep options.

Since the user has not performed any manual editing of `/etc/logadm.conf` the undo should apply cleanly and not require user action.

*Workaround:* In this instance, choose the Force option.

If the `/etc/logadm.conf` has been edited, use the Backup or Keep options.

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# Errata in Solaris Security Toolkit Documentation

This section contains descriptions of errata in the Solaris Security Toolkit 4.1 documentation.

## `banner.msg` Mention Missing from Reference Manual (Bug ID 6177578)

The `/etc/ftpd/banner.msg` file is missing from the file list of the `set-banner-ftpd.fin` section in Chapter 4 of the *Solaris Security Toolkit 4.1 Reference Manual*.

*Workaround:* None. This is a documentation bug only. This file is present in the software.

## Deprecated `env var` (Bug ID 6177598)

The environment variable `JASS_SHELL_DISABLE` is no longer used and has been removed from the Solaris Security Toolkit 4.1.1 software. The environment variable `JASS_SHELL_DISABLE` is mentioned in the *Solaris Security Toolkit 4.1 Reference Manual* and should be ignored.

*Workaround:* Do not attempt to use this variable. It no longer works.

