



Sun Ray™ Server Software 3 Release Notes

for the Solaris™ Operating System

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Sun Ray Server Software 3 Release Notes

Sun Ray Server Software 3 is an incremental release of Sun Ray Server Software. It is designed to run on Solaris 8 and 9 and Trusted Solaris (TSOL) 8 7/03, as well as on the three flavors of Linux listed in the next section. Changes, improvements, and problems are described in the following sections.

Note – This is a living document that is subject to updates as new information becomes available. For the latest version, please see docs.sun.com.

What's New

Sun Ray Server Software 3 is the first release to offer support for platforms other than Solaris. SRSS 3 supports three Linux platforms:

- Sun Java Desktop System 2 for x86
- Red Hat Enterprise Linux Advanced Server 3 for x86, at the SP3 (Service Pack 3) level or later
- SuSE Linux Enterprise Server 8 Service Pack 3 for x86

Note – All x86 architectures are 32-bit only.

In addition to the new platform support, this release includes the following new features:

- Support for low-bandwidth Sun Ray deployment
- PS/SC Muscle Smart Card API
Available on Solaris

- Support for applications written to the `libusb` API
Available only on Solaris
 - Support for USB mass storage devices available in Solaris
-

Removed or Deprecated Features

The following features and operations have been either deprecated or removed from SRSS 3:

Controlled Browser

The Netscape 4.75 controlled browser is no longer supported.

Quick Install

The quick install option, `utinstall -q`, has been deprecated.

Session Suspension

The ability to suspend a session with either `utsession` or the Admin GUI is deprecated in SRSS 3 and will not be available in future releases.

`utglpolicy`

The `utglpolicy` command has been removed.

`utxset`

The `utxset` command has been removed.

Known Issues

Failover Groups

Do not configure machines running Solaris in the same failover group with machines running any Linux variant.

Trusted Solaris (TSOL)

Possible TSOL Security Risk

If a smart card is removed immediately after login, there is a brief time interval during which the owner of the card (or someone else) can reinsert the card and get back into the same session without being challenged by a screen lock.

This problem is annotated in detail in bugs 5026455 (for TSOL) and 5061744 (for Sun Ray). Although it has been corrected for regular Solaris implementations, TSOL site administrators should install patch 117581-03 from <http://www.sunsolve.sun.com> to fully eliminate the problem for TSOL.

TSOL 8 7/03

- Audio

When an audio application is played on the DTU, the audio comes from the server.

- JRE 1.4.2 or Above Required

TSOL 8 7/03 requires JRE 1.4.2 or above. A copy of JRE 1.4.2 is shipped in the Supplemental directory of the SRSS 3 Beta CD.

▼ To Install JRE from the Supplemental Directory

1. Assume the root role and install the JRE into the /usr directory so that Java is installed at `/usr/j2re1.4.2_03` or the equivalent.

2. Assume the admin role and set allowed privileges for the following files and directories:

```
# setfpriv -s -a all /usr/j2rel.4.2_03/bin/*
```

3. Edit /etc/init.d/tsol_dev_policy so that the string /usr/j2rel.4.2_03 precedes /usr/java as follows:

```
javalibdirs='find /usr/j2rel.4.2_03 /usr/java ...
```

Other Known Issues

Session Suspension

When a session is suspended, through the CLI or through the Admin GUI, the DTU from which it was accessed displays a “session suspended” pop-up window; however, a suspended session can continue to accept both keyboard and mouse input from the same DTU for a few seconds. The delay was deliberately designed to make sure the DTU had sufficient time to display the pop-up before the session was actually suspended.

NSCM Language Display in fr_CA Locale

For NSCM (Non-Smart Card Mobility) sessions in the French Canada locale (fr_CA), Sun Ray “greeter” screens continue to display in English, not in French, although provincial regulations require French language displays.

This bug has not been corrected as of the 3 Beta release but is expected to be fixed before the first public release.

The workaround is to remove -M from the policy statement and run `utrestart`.

Note – When the locale is set to the France locale (fr_FR), the same screens do appear in French, as expected.

Sun MC Agent Dies

SunMC agent keeps dying on Sun Ray servers. This bug only occurs on systems running IPMP or using multi-homed interfaces, for example, those that define both interface hme1 and hme1:1.

The workaround for Beta is to run the Sun Ray software without using the SunMC module to monitor the software.

- **Run `/opt/SUNWut/sbin/utsunmc -u` on the Sun Ray server that is also using IPMP or multi-homed interfaces:**

```
# /opt/SUNWut/sbin/utsunmc -u <server_name>
```

Documentation

Sun Ray Server Software documentation has been revised, expanded, and improved for the SRSS 3 release.

Separate Documentation Sets for Solaris and Linux

Although similar in many respects, the SRSS 3 implementations on Solaris and on Linux differ enough to justify separate documentation; therefore, the SRSS 3 CD contains complete documentation sets for both types of operating environment, labeled accordingly.

Easy to Find What You Want

The PDF files for the manuals are extensively indexed and cross-referenced to provide multiple entry points when you actually need to look at the documentation. Hypertext links are provided for:

- Items in the PDF navigation bar
- Table of Contents entries
- List of Figures entries
- List of Tables entries
- Index entries
- Pertinent cross-references

In addition, you can use the native Adobe Acrobat search facility to find any text string.

Documentation Errata

This section lists known errors in the documentation for Sun Ray Server Software 3. It also lists differences between earlier versions of the manuals sent for translation and the final English language versions represented by the PDF files on the SRSS 3 CD and available at `docs.sun.com`.

Installation and Configuration Guides

Tar File Naming Convention

In previous versions of SRSS, the file used to preserve existing files used a different file extension. The correct filename used by the `utpreserve` script is:

```
/var/tmp/SUNWut.upgrade/preserve_version.tar.gz
```

where *version* is the currently installed version of Sun Ray Server Software.

Revised Procedures

To Rebuild the Primary Server Administration Data Store

This procedure has been significantly revised since initial copy was sent to L10N for translation.

To Replace a Primary Server

This procedure has been removed from the installation guides.

Administration Guides

Resetting and Restarting Sun Ray Services

In early versions, including those submitted for translation, the text surrounding Figure 3-5 incorrectly refers to the Reset and Restart buttons that were used in SRSS 2.0. The correct terminology for SRSS 3 is Warm Restart for what was previously

called Reset (to restart Sun Ray services and preserve all sessions) and Cold Restart for what was formerly called Restart (to terminate all sessions and restart Sun Ray services).

New Front Matter

Tables of Figures and of Tables have been added to the English language versions.

Device Links

A paragraph describing mass storage device links has been added to Chapter 4 of the English language versions.

USB Services

The English language version contains new material in the CLI on *Enabling and Disabling USB Devices*. The equivalent section in the Admin GUI chapter is called *Managing USB Services*.

Timeout Definition

In the versions submitted for translation, timeout is defined only in terms of disconnected card sessions in CAM (Controlled Access Mode). The timeout value specifies how long any session (not just a card session) remains resident on a Sun Ray server before being terminated.

Solaris Version

Screen Locking

Sections on Solaris Screen Locking and Creating a System-Wide Default for Screen Locking are obsolete and have been removed from the final English language version.

Connecting to Existing Sessions

The subsection on Connecting to Existing Sessions is obsolete and has been removed from the final English language version.

man Pages

New man Pages

The following man pages were added to the product after final documents were sent to L10 for translation:

- utpreserve

Note – The utpreserve man page is available only from the SRSS 3 CD.

Solaris Version

Items Mistakenly Included in Solaris Version

In the version of the *Sun Ray Server Software 3 Reference Manual for the Solaris Operating System* sent for translation, the following man pages were mistakenly included:

- utglpolicy
- utload
- utxset

The utusbadm man page was omitted from the version submitted to L10N for translation.

