



# Sun Ray™ Server Software 3.1.1 Release Notes

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for the Linux Operating System

Sun Microsystems, Inc.  
[www.sun.com](http://www.sun.com)

Part No. 819-6688-10  
October 2006, Revision A

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# Sun Ray Server Software 3.1.1 for Linux Release Notes

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Sun Ray Server Software 3.1.1 (SRSS 3.1.1) delivers expanded platform support, optimizations, and enhancements to the Sun Ray Server Software product, which is now included, along with the Sun Ray Connector, in Sun Ray Software 4.

These release notes contain the most up-to-date information available as of the moment they are printed. As bugs are resolved (or new ones discovered), however, revised versions of this document will be posted to `docs.sun.com`.

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## What's New

### Support for Linux 2.6 Kernel

Earlier versions of Sun Ray Server Software for Linux supported the 2.4 kernel. Version 3.1.1 for Linux supports the 2.6 kernel. See "Supported Platforms" on page 2.

### Support for Mass Storage Devices

Mass storage functionality, formerly supported only on Solaris platforms, is now available for Linux.

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# Supported Platforms

This version of Sun Ray Server Software runs on the following versions of the Linux operating system:

- SuSE Linux Enterprise Server (SLES) 9 with Service Pack 3 (32-bit and 64-bit)
  - All packages are required and must be installed.
  - During installation, select Full Installation.
  - Be sure to install tftp and apache 1.3.29
- Red Hat Enterprise Linux Advanced Server (RHEL AS) 4 Update 3 (32-bit and 64-bit)
  - All packages are required and must be installed.

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**Note** – Sun Ray DTU firmware delivered in the SRSS 3.1.1 release has the following version identification string:

3.1\_120879-05\_2006.09.20.12.31

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# Known Problems and Workarounds

## Keyboard Issues

### Alt and Meta Keys

Alt and Meta keys are swapped when XKB is enabled.

### XKB Features in a Second DTU

XKB-related features do not function properly when a user logs in to a second DTU with the same user ID.

### XKB on RHEL

In RHEL, the following message is displayed after enabling XKB feature; however, the feature works as expected.

```
Error activating XKB configuration.  
Probably internal X server problem.
```

## Numeric Keypad Mapping

In pre-1.5 releases of JRE, numeric keypad mapping does not work properly in Java-based Sun Ray tools such as `utsettings`, `utmhconfig`, and the registration GUI.

The workaround is to create a GUI-JRE link in `/etc/opt/SUNWut` to point to an appropriate JRE release and set the environment variable `_AWT_USE_TYPE4_PATCH` to false. For instance:

```
# ln -s <path_to_jre_1.5> guijre  
# setenv _AWT_USE_TYPE4_PATCH false
```

## Screen Issues

### No Screen Lock for Second Linux Session

A user who creates two Linux sessions cannot create a screen lock for the second session. When SRSS needs to lock the screen, it uses `xlock` for the second session. When the user tries to lock the screen from the menu, nothing happens. The workaround is to start a `screensaver` daemon for the second session manually, to enable screen locking and stop SRSS from using `xlock`.

```
# /usr/X11R6/bin/xscreensaver -nosplash &
```

## Mass Storage Issues



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**Caution** – Failure to run `utdiskadm -r` before unplugging mass storage devices will cause loss of data. Make sure your users run `utdiskadm -r` before they unplug any mass storage device.

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```
% /opt/SUNWut/bin/utdiskadm -r device_name
```

## Upgrade Issues

### Restart of Sun Ray Services Required on RHEL

On RHEL, after upgrade and reboot of the Sun Ray Server, Sun Ray Services must be restarted.

```
# /opt/SUNWut/sbin/utrestart -c
```



## adduser Error Message Can Be Ignored

During SRSS 3.0 to SRSS 3.1.1 upgrade, the following adduser error message may be displayed on the secondary server if an admin user entry already exists in the primary Sun Ray Data Store or if it is unavailable at the time of upgrade.

```
Adding user admin... Failed to add user(s) to the list
```

This error message can safely be ignored.

If the admin user entry already exists, then upon reboot, the secondary server pulls data from the primary server. If the primary server is down during upgrade, then data is pushed to the secondary server when the primary server comes back online.

## L10N Issues

### Localized Filename Display

In multibyte locales, removable media do not show localized filenames correctly.

### Multibyte Font Display Problem

In multibyte locales using pre-1.5 releases of JRE, Java-based Sun Ray tools such as `utsettings`, `utmhconfig`, and the Registration GUI do not work properly. Proper multibyte font display requires JRE 1.5.

The workaround is to create a `guijre` symbolic link in `/etc/opt/SUNWut` to point to an appropriate JRE release, for instance:

```
# ln -s </path_to_jre_1.5> guijre
```

The Registration GUI, `utsettings`, and `utmhconfig`, can then be launched with the specified JRE.

### utselect and utwall

In the Simplified Chinese, Traditional Chinese, and Korean locales, `utselect` and `utwall` do not work properly in Linux distributions.

A workaround for this issue is to remove the `utselect` and `utwall` catalog files from the appropriate locale sub-directory. This brings up `utselect` and `utwall` in English.

For the Simplified Chinese locale:

```
# rm /opt/SUNWut/lib/locale/zh_CN/LC_MESSAGES/utselect.mo
# rm /opt/SUNWut/lib/locale/zh_CN/LC_MESSAGES/utwall.mo

# rm /opt/SUNWut/lib/locale/zh_CN.utf8/LC_MESSAGES/utselect.mo
# rm /opt/SUNWut/lib/locale/zh_CN.utf8/LC_MESSAGES/utwall.mo
```

For the Traditional Chinese locale:

```
# rm /opt/SUNWut/lib/locale/zh_TW/LC_MESSAGES/utselect.mo
# rm /opt/SUNWut/lib/locale/zh_TW/LC_MESSAGES/utwall.mo
```

For the Korean locale:

```
# rm /opt/SUNWut/lib/locale/ko_KR.utf8/LC_MESSAGES/utselect.mo
# rm /opt/SUNWut/lib/locale/ko_KR.utf8/LC_MESSAGES/utwall.mo
```