



Sun Ray™ Connector for Windows OS, Version 1.0 Release Notes

Sun Microsystems, Inc.
www.sun.com

Part No. 819-4667-11
May 2006, Revision A

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Adobe PostScript

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Sun Ray Connector for Windows OS Release Notes

The Sun Ray™ Connector for Windows OS is a Sun-supported, Microsoft-certified terminal services client based on the Microsoft Remote Desktop Protocol (RDP) Version 5.2. It is described in the *Sun Ray Connector for Windows OS Installation and Administration Guide*. For convenience, the Sun Ray Connector for Windows OS is often called the Sun Ray Connector.

Recommended Patches

Please ensure that the latest recommended patch clusters are installed on the Sun Ray server.

SRSS 3.1 Patch Dependency and Availability

This release depends on the -03 revision of the Sun Ray Server Software 3.1 patch, which enables the Sun Ray Connector to work correctly on all supported platforms. It is located in the Patches section of the Sun Ray Server Software 3.1 release image in the Sun Ray Software 4 release. Please ensure that this patch (or later) is installed on your system.

TABLE 1 SRSS 3.1 Patch Numbers for Sun Ray Connector

Operating System/Platform	Patch Number
Solaris SPARC	120879-03
Solaris x86	120880-03
Linux	120881-03

Additional Recommended Patches

The following patches fix an Xsun memory leak issue that affects Sun Ray performance:

TABLE 2 Patches for Xsun Memory Leaks

Operating System/Platform	Patch Number
Solaris 9	112785-49 or later
Solaris 10 SPARC	119059-13
Solaris 10 X86	119060-12

Trusted Solaris™

The following patch enables shortcut keys on the local desktop manager to work correctly:

TABLE 3 Patches for Trusted Solaris

Operating System/Platform	Patch Number
Trusted Solaris 2/04	121545-03

Japanese Keyboard Patch

The following patches enable correct behavior for Japanese language keyboards:

TABLE 4 Keyboard Patches for JA Locale

Operating System/Platform	Patch Number
Solaris 8 SPARC	111075-05
Solaris 9 SPARC	113764-04

OpenSSL Libraries

The Sun Ray Connector depends on the OpenSSL libraries, which must be installed in order for the Sun Ray Connector to work properly. For your convenience, the versions required for Solaris 8 and Solaris 9 platforms, and the `libgcc` packages upon which the OpenSSL libraries depend, are included in the Supplemental section of the release image. On all other supported platforms, the required versions are installed by default.

Known Issues

The latest known bugs and other issues are listed here, along with appropriate workarounds when they are available.

Note on Authentication Behavior

If the `-r scard` and `-u/-p` options are used together on the command line for `uttsc`, then the `username/password` options take precedence over smart card authentication, and the user is presented with the username login rather than a PIN prompt window.

Bug ID 6345509

The cut and paste menu options do not work correctly in transfers from `OpenOffice` from a Sun Ray session to a Windows application.

The issues have been identified as related to StarOffice, and appropriate bugs have been logged.

The workaround is to use `Ctrl-C` and `Ctrl-V` instead of menu options to perform these operations.

Bug ID 6358380

Serial port redirection does not work properly when more than one serial port is redirected.

Bug ID 6359564

If all the following conditions are present, the user is presented with a black screen upon hotdesking:

- CDE as the desktop manager on Solaris
- Sun Ray Connector in full screen mode (i.e., using the `-m` option)
- Screen lock enabled

The workaround is type the user's password blindly to unlock the screen, even though the screen lock is not presented. This causes the session to display correctly.

Bug ID 6360175

Some screensavers that are part of Windows 2000 contain a lot of animation. Sun Ray Windows Connector sessions running Windows 2000 screensavers can overload the Sun Ray server CPU (the Sun Ray Connector and the X server show high CPU usage). This problem appears on Solaris 8 only.

The way to solve this problem is to not use these screensavers in user sessions. Please consult the Windows documentation for information on how to disable screensavers for Terminal Services sessions.

Bug ID 6361417

In certain scenarios, redirecting serial ports to a Windows Terminal Server can consume up to 99% of the Sun Ray server's CPU.

Bug ID 6363133

Once a copy and paste operation has been performed, subsequent copy and paste operations from the same `dtterm` window to a Windows application always show the data from the first such operation.

Bug ID 6369558

`uttswrap` does not save the credentials between desktop sessions (that is, the “save password in keyring” option does not work). This bug in the Java Desktop System is fixed in Solaris 10 Update 2. Users who do not want to upgrade to Update 2 need to install patch 122212-02 for SPARC or 122213-02 for Intel when it is released. It is being tested at the moment.

Bug ID 6382123

Windows and Red Hat lock screens behave differently with the `-m` option of `utts` because of underlying issues with the Red Hat `xscreensaver` application. These issues sometimes make it possible, if an editor is open on the Windows session, to see the password in the clear upon hotdesking.

The workaround options are:

- Do not use full screen mode on Red Hat.
- Use the `-O` option to prevent disconnect/reconnect on hotdesking.
- Disable `xscreensaver` for the server.

Note – Disabling `xscreensaver` is insecure and may not be the best option.

Bug ID 6383162

Removing a USB disk from a Sun Ray DTU while a Windows application is still accessing it leaves a stale mount point on the Sun Ray server.

Bug ID 6387107

Repeated hotdesking while a Windows Terminal session is active can cause the Sun Ray keyboard to hang on some Linux implementations.

Bug ID 6394230

If the mouse pointer is moved over the Sun Ray Connector window while a user is typing into a window on the Unix/Linux desktop, the keystrokes go to the Connector window, regardless of the Unix/Linux desktop focus behavior settings. (That is, all keystrokes register in the Sun Ray Connector window even if the input focus behavior is set to move to a new window only when the mouse is clicked in that window).

This does not happen if the connector is launched with the `-K` option.

Bug 6397952

Sun Ray PageUp/PageDown keys should autorepeat under the RDP client as the equivalent keys on a PC keyboard do.

Bug ID 6404368

Sun Type 6 Japanese keyboards are not detected by default. To correct this condition, invoke `uttsc` or `uttscwrap` with the command line option `-k "sun(type6jp)"`. For example:

```
% uttsc -k "sun(type6jp)"
```

Bug ID 6408886

MS-IME is not enabled when you invoke `uttsc` or `uttscwrap` without any command line options on Japanese locales.

Invoke `uttsc` or `uttscwrap` with the option `-l ja:IME`. For example:

```
% uttscwrap -l ja:IME
```

Bug ID 6421144

If a redirected file contains a square bracket(`[]`) in the file name, then the user cannot perform operations such as `delete/rename/copy/move` on the file.

Bug ID 6422308

Cut/Copy and paste operations between Windows and Sun Ray applications do not work on Trusted Solaris platforms.

Bug ID 6425188

When users print via the Sun Ray Connector in a Trusted Solaris environment, user access lists for printers are not honored. This issue can be mitigated if printers are configured for a particular label, after which only users at that label have access to the printer.

Trusted Solaris Limitations

Because of user permission restrictions, `utts` cannot launch a new audio stream on the Trusted Solaris platform. Instead, it continues to use the default session audio stream. Thus, only one audio application can play on a Trusted Solaris server at any given time.

The following features are not supported on Trusted Solaris platforms at this time for security reasons:

- Disk and serial port redirection
- Specifying an X display to launch the Sun Ray Connector

Windows Limitations

The following features are not supported on Windows 2000:

- Audio
- Drive mapping
- Serial port redirection
- Smart card redirection

Documentation

The most up-to-date versions of documentation for this product are available on `docs.sun.com`.

L10N Documentation Errata

The following issues were discovered too late to be included in the draft documentation submitted for translation; however, they have been incorporated into the English language documentation in the release image.

Trusted Solaris Configuration

Please perform this additional step before invoking the Sun Ray Connector on Trusted Solaris platforms:

- **Assume primaryadmin role, then add the following privileges to `uttsc`:**

```
[/etc/security/exec_attr]
...
Sun Ray Connector:tsol:cmd:::/opt/SUNWuttsc/bin/uttsc:uid=
0;privs=4,5,6,10,12,32,33
...
```

Description of Sun Ray Connector Compression

The Sun Ray Connector uses Microsoft Point-to-Point Compression (MPPC) to compress data between the Sun Ray Server, which runs the Sun Ray Connector, and the Windows Terminal Server. The translated versions suggest, less precisely, that data is compressed between the Sun Ray DTU and the Windows Terminal Server.

Description of `uttscwrap`

The translated drafts imply that `uttscwrap` enables credential caching for all types of authentication. In fact, it enables credential caching for password-based authentication but not for smart card-based authentication. For smart card authentication, please use the Sun Ray Connector directly (`/opt/SUNWuttsc/bin/uttsc`).

