



Sun Ray™ Connector for Windows OS, Version 1.1 Release Notes

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Adobe PostScript

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Sun Ray Connector for Windows OS Version 1.1 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.

What's New

Version 1.1 of the Sun Ray Connector for Windows OS implements the Session Directory feature, which makes it possible for users to reconnect to their previously disconnected Windows sessions. Both IP address-based and token-based reconnection are supported; however, token-based redirection requires the use of a hardware-based load balancer for the Windows Terminal Servers.

Note – Version 1.1 of the Sun Ray Connector specifically supports Linux distributions based on the 2.6 kernel. Distributions based on the Linux 2.4 kernel are not supported. Operating Systems and versions supported are specified in TABLE 1, on page 7 of the *Sun Ray Connector for Windows OS 1.1 Installation and Administration Guide*.

Recommended Patches

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

Xsun Memory Leaks

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

TABLE 1 Patches for Xsun Memory Leaks

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

Trusted Solaris™

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

TABLE 2 Patches for Trusted Solaris

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

Japanese Keyboard Patch

The following patches enable correct behavior for Japanese language keyboards:

TABLE 3 Keyboard Patches for JA Locale

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

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.

Authentication Behavior

Username and password options take precedence over smart card authentication on the `uttsc` command line. Thus, if the `-r scard`, `-u`, and `-p` options are used together on the `uttsc` command line, then the username and password options take precedence over smart card authentication.

Audio on Trusted Solaris

`uttsc` tries to create an audio device while launching the Windows session. In a Trusted Solaris environment, the following message is displayed when the device cannot be created successfully due to lack of privileges.

```
chown /tmp/SUNWut/dev/utaudio: Not owner
```

In this event, the Sun Ray Connector uses the default audio device and proceeds.

Bug ID 6350227

Printing does not work from Windows session for some printers if generic PostScript is selected as printer model. However, if a specific model of printer is selected, printing works as expected.

Bug ID 6350936

`uttsc` consumes excessive (around 50%) CPU when audio and video are played from Windows applications.

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 6372917

Because of a bug in StarOffice, the cut and paste menu options do not work correctly in transfers from StarOffice applications.

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

Bug ID 6382038

Cut and paste doesn't work from Sun Ray session `dtpad` to Windows applications.

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 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 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 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.

Bug ID 6456219

If `xscreensaver` is used and a user hotdesks to another DTU while a Sun Ray Connector session is running, the Unix (Linux or Solaris) session does not always lock, and the Windows session may come up with the keyboard frozen and no mouse pointer available.

The workaround is to log in to the Sun Ray server and kill the Windows Connector process. The Windows session will be intact the next time the user logs in to the Windows Terminal server with the Sun Ray Connector.

Bug ID 6464510

`uttsc` may crash on Trusted Solaris 8 2/04 if a user hotdesks to a different DTU and copies or pastes between the Windows session and the UNIX desktop.

This problem has been corrected on all other supported Solaris platforms (required patches are listed under “Installation Requirements” on page 7 of the *Sun Ray Connector for Windows OS, Version 1.1 Installation and Administration Guide*). A solution for Trusted Solaris 8 2/04 will be provided soon.

Bug ID 6472260

Printer configuration is not stored or restored when both the `-u` and `-p` options are used on the command line during login to a Windows 2000 server.

Bug ID 6477166

Certain Microsoft Office documents cause `uttsc` to exit unexpectedly.

Windows Limitations

The following features are not supported on Windows 2000:

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

Documentation

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