Sun Ray™ Connector for Windows OS, Version 2.0 Release Notes

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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

In addition to the functionality found in earlier versions, Version 2.0 of the Sun Ray Connector for Windows OS adds support for:

1. Use of the Sun Ray Connector on the Solaris 10 Update 3 platform
2. Use of Solaris Trusted Extensions on the Solaris 10 Update 3 platform
3. Connection to Microsoft Windows Vista

What's Changed

uttsc -D

The `-D` option is deprecated, ignored, and not considered an error. It will be removed and considered an error in the next release. The window attributes are now disabled by default and can be enabled with the new `-E` option.

Korean Keyboard

To use the Sun Korean keyboard with the Sun Ray Connector, launch SRWC with the `-k "sun(kr)"` option. For example:

```
% /opt/SUNWuttsc/bin/uttsc -k "sun(kr)"
```

Printing Support

Printer driver specifications are now required for all printers except PostScript printers. For further information, see "Setting Up Print Queues" on page 23 and "Making Sun Ray Printers Available to Windows" on page 25 of the *Sun Ray Connector for Windows OS, Version 2.0 Installation and Administration Guide*.

PC/SC-lite Support

Sun Ray Server Software supports the industry-standard PC/SC-lite API to enable access to smart cards and smart card readers connected to Sun Ray DTUs.

PC/SC-lite 1.0 is available on the Sun Download Center. For installation instructions and further details, see the *PC/SC-lite 1.0 Release Notes*.

Patch Requirements

The following patches, which may not yet be part of the recommended patch cluster, are required for Solaris implementations. Please verify that they are installed.

TABLE 1 Required Patches for Sun Ray Connector 2.0

Description	Patch Number
Solaris SPARC	125279-03, 120094-14
Solaris x86	125280-03, 120095-14

Trusted Extensions Support

Audio Device Allocation

The Sun Ray Connector creates a new audio device for each instance of the Connector.

If the default audio device is not allocated (with the Trusted Extensions device allocation GUI) before the Sun Ray Connector is invoked, audio will not work from the Sun Ray Connector session.

Lockscreen Obscured by Connector Window

Hotdesking on a Solaris Trusted Extensions platform using Trusted JDS can sometimes cause the lockscreen to be obscured by a full-screen Windows Connector Session.

To prevent this condition from occurring, add the following line to the `/usr/openwin/server/etc/TrustedExtensionsPolicy` file:

```
 "property _SCREENSAVER_STATUS"
```

Known Issues

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

Known Bugs

Bug ID 6350936

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

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 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 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 6497242

Audio does not play clearly when an audio file is played in Windows Vista session on Linux.

Bug ID 6498445

SRWC is unable to show redirected files larger than 2 GB in size.

Bug ID 6537578

When using key sequences such as `Ctrl-Alt-Backspace-Backspace`, `Ctrl-Moon`, and `Shift+Props` on a Sun Ray DTU with SRWC, the meta (`Ctrl` or `Shift`) key sometimes stays pressed in the Windows session, causing unexpected keyboard behavior.

The workaround is to press and release the meta key (`Ctrl` or `Shift`) once in the Windows session.

Bug ID 6544282

If the SRSS Multihead feature and Xinerama are enabled, then when an SRWC session is launched in full-screen mode, it is not displayed on the secondary head(s).

Bug ID 6566313

When SRWC is invoked with the -K option in non-fullscreen and `Alt-Tab` is used to switch from SRWC window to any other window, then moving the mouse back into the SRWC session and double-clicking on an application or folder on the Windows desktop does not open the application or folder but displays the properties page.

The workaround is to press and release any key on the keyboard when the mouse is in the Windows session.

Bug ID 6569123

Cutting or copying and pasting large amounts of data from Sun Ray to Windows fails in SLES9.

Cutting or copying and pasting large amounts of data may also fail between SRWC and desktop applications on all supported Solaris and Linux desktops. The largest amount of data that can be copied is 65435 bytes.

The workaround is to cut or copy and paste the data in smaller chunks.

Bug ID 6573456

In a Trusted Solaris environment, if copy/paste operations are permitted between applications running at different labels, then the administrator must ensure that the appropriate privileges are set in accordance with Trusted Solaris requirements. If the privileges are not set correctly, the SRWC application may crash unexpectedly when such an operation is attempted between SRWC and any other application, such as `gedit`, running at a different label.

Please refer the Solaris Trusted Extensions documentation on `docs.sun.com` to determine what privileges are required to enable this action.

Bug ID 6576612

Killing `xscreensaver` can prevent SRWC from displaying.

If the `xscreensaver` daemon dies ungracefully on Linux desktops or JDS on Solaris, then the SRWC window may not display when SRWC is started.

The workaround for this problem is to re-start the `xscreensaver` daemon from the `xscreensaver` Preferences window as follows:

1. Launch->Preferences->Desktop Preferences->Display->Screensaver on JDS on Solaris.
2. Lock the screen and unlock it again.
3. Restart SRWC.

Bug ID 6579953

On Red Hat Linux, after a hotdesking event (i.e. removing and re-inserting a smart card), `xscreensaver` may not come up, and the mouse may hang.

Starting `uttsc` in non-full-screen mode then pulling and re-inserting the card into the same DTU can occasionally make the mouse pointer disappear and the screen lock not to appear. This problem appears only on Linux, and it usually happens if the SRWC window covers the center of the desktop, where the mouse pointer is placed when the card is inserted.

To recover from this condition, kill and restart the `xscreensaver` process.

Other Issues

Smart Card Authentication for Windows Terminal Server

To use smart cards to authenticate users to the Windows Terminal Server, install the Base Smart Card Cryptographic Service Provider Package update from:
`http://support.microsoft.com/kb/909520/en-us`

This update improves screen unlocking behavior in the Sun Ray environment.

PCFS-formatted Media Access

File Copying on Solaris (Bug ID 6546531)

Copying a large file from Windows onto `PCFS`-formatted removable media can take a longer time than expected and appear to hang, although, given sufficient time, the operation will complete. This is a known issue with `PCFS`.

File Copying on Linux

Copying a large file from Windows onto `PCFS`-formatted removable media does not work, due to known Linux limitations. The workaround for this condition is to use other file systems than `PCFS`, such as `UFS`, `ext3`, or `etc`.

Documentation

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