

Sun Ray™ Connector for Windows OS, Version 2.1 Release Notes

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Sun Ray Connector for Windows OS 2.1 Release Notes

The Sun RayTM Connector for Windows Operating Systems 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 Operating Systems 2.1 Installation and Administration Guide*. For convenience, the Sun Ray Connector for Windows Operating Systems is often called the Sun Ray Connector.

What's New

Multimedia Enhancements

This release provides enhanced multimedia playback capabilities that extend the Sun Ray architecture to accept H.264 (MPEG-4) and VC-1 (WMV9) streams and transmit them directly to Sun Ray 2/2FS/270 DTUs for decoding. In this case, neither the Sun Ray Server CPU nor Windows Server CPU is used for decoding. This is the optimal solution for conservation of server resource and network bandwidth.

For other types of video streams, this release leverages the standard (XVideo) interface on both Sun Ray 1 and Sun Ray 2 DTUS for general purpose player optimization, sending YUV streams directly to the DTU. This enables improved playback of video formats other than H.264 and VC-1 by reducing the bandwidth required to deliver the decoded video to the Sun Ray DTU. For example, RealPlayer supports the XVideo extension to utilize the accelerated YUV path.

This enhancement is supported only for clips played using Windows Media Player 10 and 11 on Windows XP and Windows 2003 platforms. Details are described in the Sun Ray Connector for Window OS Version 2.1 Installation and Administration Guide.

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 2.1 on Solaris 10

Platform	Patch Number
Solaris SPARC	120094-20
Solaris x86	120095-20

Additional Required Patches for Sun Ray Connector 2.1 on Solaris Trusted TABLE 2 Extensions

Platform	Patch Number
Solaris SPARC with Solaris Trusted Extensions	126363-06
Solaris x86 with Solaris Trusted Extensions	126364-06

Known Issues

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

Known Bugs

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.

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

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

% uttscwrap -1 ja:IME

Bug ID 6497242

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

Bug ID 6569123

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

The largest amount of data that can be copied at once 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, the SRWC application may crash unexpectedly when copy/paste is attempted between SRWC and any other application, such as gedit, when one application is running in a global zone and the other is in a labeled zone.

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 restart the xscreensaver daemon from the xscreensaver Preferences window:

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

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.

This is no longer and issue with SRSS 4.1/SRWC2.1, where Remote Hotdesk Authentication (RHA) is enabled by default.

Bug ID 6610273

The Minimize button is not working on RHEL5 builds in full-screen Windows connector.

Bug ID 6633672

Unable to launch Windows Connector session from RHEL5.

The RPM compat-libstdc++-33-3.2.3-61.i386.rpm needs to be installed before uttsc can be launched from RHEL5.

Bug ID 6634751

When launching a full-screen SRWC session (uttsc -m) in a multihead setup on 32-bit RHEL5, you may not be able to access the session after moving the cursor back and forth between displays.

The workaround is to use ALT+TAB to return the focus to SRWC.

Bug ID 6693925

The uttsc -C option works only with 8-bit mode.

Bug ID 6742851

Japanese keyboards using Xkb do not work correctly out of the box with SRWC 2.1.

The workaround is to disable Xkb (using utxconfig) on the desktop before launching SRWC, after which all keys should work as expected.

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.

Multimedia Issues

Multimedia Enhancements

Multimedia enhancements currently lack the following functionality:

- Low bandwidth
- Xinerama
- Multiple Streams at the same time

Bug ID 6695339

Frame-by-frame video playback in Windows Media Player is not supported in this release.

Bug ID 6699191 and 6751847

In Windows Media Player, video playback using the Playlist option may not work correctly and is not supported.

Disable Windows Media Player Repeat Mode before playing media clips:

- 1. Open Windows Media Player.
- 2. Disable Repeat mode.
- 3. Close and restart Windows Media Player.
- 4. Play the clips.

Audio and video hang in Windows Media Player, if the Next/Previous frame controls in Show Enhancements Options are used.

Bug ID 6637773

When video is played in Windows Media Player, Right Click does not work over the video rendering area.

Bug ID 6699771

Sometimes VC-1 (WMV9) video does not play on the first attempt in Windows Media Player. Relaunching the clip resolves the issue.

Bug ID 6708878

The Stop button causes the video player to display the last frame of content instead of going black.

The workaround is to double-click on the filename under Now Playing list.

Bug ID 6722936

The volume controller in the task bar cannot be used when multimedia enhancements are in use, for instance, when video clips in a supported format are played.

Use the Windows Media Player volume controls or the volume keys on the Sun keyboard instead.

Bug ID 6739180

Multimedia enhancements are not supported in Windows Session Directory environment. Installation of the Multimedia Redirection Component (MMR) is not recommended in this environment.

In this setting, SRWC needs to be used with the -M off option. With the -M off option, audio/video playback is the same as with previous releases of SRWC.

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Audio continues to play when multimedia enhancements are in use, for instance, when video clips in a supported format are played, even when audio mapping is disabled.

If you need to force disabling of audio mapping, use SRWC with the -M off option. With the -M off option, audio/video playback is the same as with previous releases of SRWC.

Bug ID 6747848

In this release, video playback using XVideo does not support scaling down.

Bug ID 6750393

If Sun Ray session is hotdesked from a Sun Ray 2 to a Sun Ray 1 DTU while a VC-1 (WMV9) video clip is being played, then audio stops working.

The workaround is to relaunch Windows Media Player.

Bug ID 6754617

Sometimes uttsc-bin can consume a large percentage of Sun Ray Server CPU while playing video through the accelerated YUV path. The percentage drops to normal when the playback is completed.

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.

Time Zone Issues

uttsc only considers time zones listed in

/usr/share/lib/zoneinfo/tab/zone_sun.tab (for Solaris) and /usr/share/zoneinfo/zone.tab (for Linux), as valid zones, which can be converted into the equivalent time zones in the Windows session. If the time zone is set to a value other than those defined in these files, then the time zone value in the Windows session can be unexpected.

Documentation

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