

SunVTS 7.0 Patch Set 8

Release Notes



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Product Notes

These release notes describe late-breaking information or changes to the SunVTS 7.0 Patch Set 8 (PS8) release.

Open Issues

Memory LT May Cause System Panic

Due to a bug in the Solaris kernel, some of the tests that use the `physmem` driver interfaces in Solaris may not function properly. When testing in SunVTS 7.0 patch set 8 and patch set 9, the memory profiles may cause a system panic.

[CR 6965691]

Workaround: Do not run Memory Test in stress level 5 and stress level 6.

Bootable CD Image Does Not Run on Systems with Memory Equal to or Larger than 500 Gigabytes

The SunVTS 7.0 Patch Set 8 (PS8) Bootable CD may not run on large memory systems, 500 Gigabytes or larger)

[CR6943442]

Workaround: None

Mode Sequencer Sometimes Starts in the Wrong Mode

If the mode sequencer is stopped in the middle of a testing session, you need to reset the session before starting the session again. Restarting the session without a reset can lead to nondeterministic behavior. The reasons a session might be stopped are:

- User initiates a manual stop.
- Test failures cause the session to stop.

[CR 6904175]

Workaround:

1. **Reset the session.**
2. **Restart the tests.**

The mode sequencer should run the tests in the correct order.

netlbttest Never Passes on igb Ports Running Internal Loopback Test - Packet Missed

There is a known issue with Solaris `igb` driver. Internal Loopback is not working on any Intel 82576 Gigabit Ethernet Controller (Kawela) card with the `igb` driver and the Solaris 10 OS. Because of this driver issue, `netlbttest` and `iobustest.netlbttest` will fail for the internal loopback on any system that has a Kawela card and the Solaris 10 OS. There is no issue if these tests are run on OpenSolaris or use the external loopback mode.

[CR 6916491 and 6897986]

Workaround: Connect an external loopback connector so that these tests can run in external loopback mode and not in the internal loopback mode.

OpenSolaris and Audio Probe Error

In OpenSolaris, when the Audio device probe is asserted, an Audio device will not register, or will not be tested by SunVTS.

[CR 6910364]

SunVTS might generate the following error message:

```
Audio probe error: Unknown audio device (name=SUNW, audio1575#, config=Uli M1575 AC'97)
```

Workaround: No workaround for OpenSolaris. This error does not occur with the Solaris 10 OS.

Note – This issue has been resolved in SunVTS 7.0 Patch Set 9.

Java GUI Does not Allow User to Scroll Windows for AutoMode Sequencer, Disk Logical Test, and Network Logical Test

This problem is seen when SunVTS graphical user interface is invoked and the unit under test is running JDK1.5. The screen does not open as maximized and some options are cut.

You might not be able to scroll the GUI windows down to click buttons like OK and Cancel in the Auto Mode Sequencer, Disk Logical Test and Network Logical Test windows. [CR 6879712]

Workaround: Use JDK1.6 or resize the window to have full view. Enlarge the GUI display size in Solaris.

There is no workaround for the ILOM GUI. The ILOM GUI can not be enlarged because the maximum screen resolution is 1024x768. Use the TTY or CLI for these features and tests.

1. Using Solaris, change the GUI display for the display that you are using.

The example below shows a Sun Ray terminal named `sr1-mstp-xx:xx.0`.

```
# xhost +  
# setenv DISPLAY sr1-mstp-xx:xx.0  
# /usr/sunvts/bin/startsunvts -g
```

Note – This issue has been resolved in SunVTS 7.0 Patch Set 9.

Java Multicaster Messages Displayed

Some `java.awt` messages scroll down on the terminal when running the Java GUI in Mode Sequencer.

[CR 6883164]

A message similar to the following is displayed:

```
at java.awt.AWTEventMulticaster.mouseEntered(AWTEventMulticaster.java:241
```

Workaround: None. You can ignore these messages.

Note – This issue has been resolved in SunVTS 7.0 Patch Set 9.

Removable LT (Disk test) Sometimes Hangs

Disktest under `Removable_Disk LT` sometime hangs and the test does not pass. This issue is intermittent.

[CR 6917627]

Workaround: If the test hangs, stop the testing manually. You can also de-select `Removable_Disk LT` so that no further testing will be performed.

Note – This issue has been resolved in SunVTS 7.0 Patch Set 9.

Support for Premount Feature in Disk Test and Removable Disk Test

The premount feature in Disk test and Removable Disk test allows you to premount partitions that have filesystems. Then, Disk test can run filesystem subtests on those partitions.

The premount feature might be discontinued with Sun VTS 7.0 Patch Set 9 and subsequent compatible releases. Removing the premount feature makes `disktest` safer and less intrusive.

Support for Browser User Interface

The browser user (BUI) interface has been discontinued for Patch Set 8 (PS8) and subsequent compatible releases. You can continue to use the graphical user interface, command line interface, or TTY interface.

Documentation, Feedback and Support

For the latest versions of all of Oracle's SunVTS documents, go to:

<http://docs.sun.com/app/docs/prod/test.validate>

These web sites provide additional resources:

- Documentation <http://docs.sun.com/>
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