

SunVTS 7.0 Patch Set 9 Software

Release Notes



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Release Notes

These release notes describe new features and issues related to Oracle's SunVTS 7.0, Patch Set 9 software. SunVTS 7.0 Patch Set 9 is integrated into Oracle's Solaris 10 09/10 software (S10U9).

Open Issues

This section describes known open issues.

Memory LT May Cause System Panic

Due to a bug in the Solaris kernel, some of the tests that use the `phymem` 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.

SunVTS Network Loopback Tests Fail on `qlge` Interfaces

The SunVTS network loopback tests fail on `qlge` interfaces with the following message:

```
VTSID 8008 Network.netlbttest.FATAL does not support loopback Sun
qlge2(/pci@400/pci@1/pci@0/pci@6/ethernet@0): "The device driver
interface." Recommended_Action(s): <Check device driver SW
version.> <Try again, if the problem persists, call your authorized
service provider.>
```

[CR 6926521]

Workaround: None.

VTS GUI Crashes

The SunVTS graphical user interface (GUI) might crash and the screen disappears. The following information is displayed. [CR 6959516]

```
An unexpected error has been detected by HotSpot Virtual Machine:
SIGSEGV (0xb) at pc=0xff268924, pid=9473, tid=272
Java VM: Java HotSpot(TM) Server VM (1.5.0_14-b03 mixed mode)
Problematic frame:
C [libc.so.1+0x68924] strstr+0x20
An error report file with more information is saved as hs_err_pid9473.log
If you would like to submit a bug report, please visit:
http://java.sun.com/webapps/bugreport/crash.jsp
```

Workaround: Relaunch the GUI.

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

Patch Set 9 Changes

The following changes were made with SunVTS 7.0 Patch Set 9.

- Added a new Report option in the Log Files Menu. See the user guide for more information.
- SunVTS harness modified to handle memory resource crunch gracefully
- `startsunvts` script enhanced to have more default testing options.
- A new message type, "ALERT", has been added for messages that are not caused by hardware faults.
- Plumbed network ports are not tested by default in SunVTS 7.0 Patch Set 9. You must update the SunVTS configuration file to enable plumbed network port testing. For more information see: "To Enable Live-Network Port Testing" in the *SunVTS 7.0 User's Guide for Patch Set 8 and Subsequent Compatible Releases*, 821-1360.

Documentation Changes

This is a summary of some changes to the *SunVTS 7.0 User Guide for Patch Set 8 and Subsequent Compatible Releases*, 821-1360. This is not a complete list of all changes.

- Re-organized many chapters of the user guide to reduce repetition and improve clarity. Moved some general test overviews and descriptions from the user interface chapters to Chapter 1 and Chapter 2.
- Some Live-Network Port Testing information was added to the user guide.
- Corrected and added information to Chapter 3, SunVTS 7.0 Packages and Running Instructions. Updated all of the start commands.
- Test Nodes section updated to better define the small and large memory configurations.
- AutoMode Sequencer information updated for clarity and accuracy.
- Updated the Unsafe option configuration file information.
- Corrected the directory and name for the verbose messages log.
- Updated the following descriptions or examples in Chapter 6:
 - `set_global_options`
 - `get_device_options`
 - `set_device_options`
 - `quit`
 - Reviewing Log Files

- Updated these sections in Chapter 7:
 - Disk Test and Removable Disk Test
 - Graphics Test, Interconnect Test
 - Swap Space Requirements
 - Network Test
 - `vtsreportgenerate` information deleted from Appendix C. Please read the man pages for the latest updates.
 - `vtsprobe` utility information moved to Appendix C.
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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/>
- Support <http://www.sun.com/support/>
- Training <http://www.sun.com/training/>