SunVTS™ 7.0 Patch Set 1 Release Notes

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SunVTS 7.0 Patch Set 1 Software Release Notes

The SunVTS™ 7.0 Patch Set 1 software is designed for the Solaris™ 10 5/08 or later operating system (OS) and is compatible with the Solaris 10 or later OS.

Topics include:

- "SunVTS Support for the Solaris OS on x86-Based Systems" on page 2
- "Software Notes" on page 4
- "Feedback and Support" on page 7

Note – All tests released in SunVTS 7.0 are documented in the *SunVTS 7.0 Software User's Guide*.

For the latest version of this document (820-5045) and other SunVTS documentation, go to: `http://docs.sun.com/app/docs/prod/test.validate`

This release includes the EOL announcement of `atmtest`.

SunVTS Support for the Solaris OS on x86-Based Systems

Note – In this document these x86 related terms mean the following:
“x86” refers to the larger family of 64-bit and 32-bit x86 compatible products,
“x64” points out specific 64-bit information about AMD64 or EM64T systems.

SunVTS is supported and tested on the following Sun x86 platforms:

- Sun Fire V20z system
- Sun Fire V40z system
- Sun Fire B100 system
- Sun Fire B200 system
- Sun Fire x4100 system
- Sun Fire x4100 M2 system
- Sun Fire x4200 system
- Sun Fire x4200 M2 system
- Sun Fire x4500 system
- Sun Fire x4540 system
- Sun Fire x4600 system
- Sun Fire x4600 M2 system
- Sun Blade x8400 system
- Netra CP3020 system
- Sun Blade x6220 (A92) system
- Sun Blade x6240 system
- Sun Blade x6420 system
- Sun Blade x6440 system
- Sun Blade x8450 system

Note – If you run SunVTS on unsupported platforms, a warning message will be displayed stating that the platform is not supported. Nevertheless, testing would be allowed to move forward.

You must install the x86 version of the SunVTS packages to perform SunVTS on x86 platforms. The software packages use the same names as in the SPARC® environment. The SunVTS packages delivered separately for both x86 and SPARC Solaris platforms are as follows:

- `SUNWvts` – Contains the SunVTS core framework that includes the kernel and user interface.
- `SUNWvtsmn` – Contains the SunVTS online manual pages
- `SUNWvtsr` – Contains the SunVTS framework configuration files in the root partition (superuser).
- `SUNWvtss` – Contains SunVTS server and browser user interface (BUI).
- `SUNWvtsts` – Contains the SunVTS test binaries.

The SunVTS components available for x86 Solaris platforms are as follows.

Infrastructure:

- `sunvts`
- `vtsk`
- `vts_cmd`
- `vtstty`
- `vtsui`
- `vtsprobe`

Software Notes

Install and Uninstall Using the Same Program

Use `pkgadd` for installation and `pkgrm` to uninstall.

Open Issues

CR 6674267: `IOPORTS` test should be disabled by default for x86/x64 platforms

Solaris 10 5/08 SunVTS 7.0 `IOPORT` test is not applicable to x86 platforms because the `tty` serial ports are used on the SP/serial port internally. The current default SunVTS 7.0 menu turns on `IOPORT` test by default.

Workaround: None.

CR 6678555: `l2sramtest` and `systest` cannot get a system pass after 19 hours of testing

The `l2sramtest` and `systest` tests do not produce a system pass after 19 hours of testing.

Workaround: None.

CR 6677883: SunVTS 7.0ps1: `vtsprobe` displays garbage value for `netlbtest`

`vtsprobe` displays an unreadable value for the Ethernet Loopback Test (`netlbtest`).

Workaround: None.

CR 6689260: SunVTS 7.0ps1 Bootable DVD – system hangs when tests are run in System Exerciser [SL-3 and SL-4]

From the SunVTS 7.0ps1 bootable DVD, the system hangs when tests are run in the System Exerciser test mode. This hang occurs when selecting Network tests in SL-3 and SL-4.

Workaround: Do not select Network Test in SL-3 and SL-4.

CR 6692649: SunVTS 7.0: `vtsprobe` does not probe on "unknown" hostname

SunVTS 7.0 `vtsprobe` does not probe when selecting "unknown" for a hostname.

Workaround: None.

CR 6693026: `./startsunvts[4]: /var/sunvts/logs/sunvts.startup`: cannot create on a new `reos` system

`./startsunvts[4]: /var/sunvts/logs/sunvts.startup` cannot be created on a new `reos` system, that is, on initial rebuilding of the Sun operating system.

Workaround: Do the following:

On SPARC platforms:

```
# cd /usr/sunvts/bin/sparcv9
# ./vtsk &
# cd ..
# ./vtstty
```

On x86 platforms:

```
# cd /usr/sunvts/bin/64
# ./vtsk &
# cd ..
# ./vtstty
```

CR 6693205: P1 driver/e1000g running SunVTS 7.0 on Solaris 10 5/08 causes unix:cmi_mca_panic on x86 platforms

This occurs on 4 port e1000g boards only on Sun Fire x4500 and Sun Fire x4600 systems. Under heavy network loopback stress testing, using SunVTS 7.0 and SunVTS 7.0ps1 on these systems with Solaris 10 5/08 may cause "Unrecoverable Machine-Check Exception" unix:cmi_mca_panic.

Workaround: None.

CR 6694922: Bootable SunVTS 7.0 fails to configure the igb interfaces for the nettest

Bootable SunVTS 7.0 fails to configure igb interfaces for the Network Hardware Test (nettest).

Workaround: None.

CR 6698394: bmcenvironment should not fail when sensor thresholds are not applicable

As base management controller (BMC) sensor thresholds are undefined, a warning occurs when a certain limit is exceeded. A Warning message such as that shown below is displayed:

```
05/05/08 17:31:05 ctech59a SunVTS7.0ps1: VTSID 2035
Environment.bmcenvironment.WARNING bmc: Warning: "32" sensors report a
warning condition 05/05/08 17:31:06 ctech59a SunVTS7.0ps1: VTSID 7012
vtsk.INFO : *Failed test* Environment. BMC(bmcenvironment) passes: 0
errors: 1
```

This Warning message does not indicate a failure but that the test is reporting a warning reflecting that sensor thresholds are not defined.

Workaround: None.

CR 6699736: `fputest` fails to run on Sun LX50 (x86 32-bit machine)

Occurs only on 32-bit pre-SSE2 systems. The tests will not be loaded by the dynamic loader.

Fixed in next release.

CR 6699739: `systest` fails to run on Sun LX50 (x86 32-bit machine)

Occurs only on 32-bit pre-SSE2 systems. The tests will not be loaded by the dynamic loader.

Fixed in next release.

Feedback and Support

You can request Sun support and provide feedback to Sun at the following email address:

`ndps-feedback@sun.com`