



SunVTS™ 6.4 Patch Set 3 Release Notes

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SunVTS 6.4 Patch Set 3 Release Notes

The SunVTS™ 6.4 Patch Set 3 (PS3) software is designed for the Solaris™ 10 08/07 Operating System (OS) and is compatible with the Solaris 10 3/05 or later OS.

Topics include:

- [“SunVTS Support for the Solaris OS on x86-Based Systems” on page 2](#)
- [“Open Issues” on page 4](#)
- [“Feedback and Support” on page 5](#)

Note – All new features, tests, and test enhancements that are released in SunVTS 6.4 are documented in the *SunVTS 6.4 Test Reference* manuals, and *SunVTS 6.4 User’s Guide*. These documents are included on Solaris on the Sun Hardware collection on the Solaris Documentation DVD, in the extra value (EV) directory. These documents are also available at: <http://docs.sun.com>

For the latest version of this document (820-4702-10), go to:
<http://www.sun.com/documentation>

SunVTS 6.4 Patch Set 3 supports Sun Dual 10GbE XFP PCIe ExpressModule and Sun Quad GbE UTP x8 PCIe ExpressModule driver version 1.100.

SunVTS 6.4 Patch Set 3 supports AtlasQGC (nxge). You can find the latest updates for the nxge driver software at this web site:

<http://www.sun.com/download>

Select Networking.

For AtlasQGC, you can find the latest Sun x8 Express Quad Gigabit Ethernet UTP Low Profile adapter documentation at this web site:

http://www.sun.com/products-n-solutions/hardware/docs/Network_Connectivity

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.

Starting with the Solaris 10 OS, the SunVTS infrastructure and core diagnostics are available for x86 platforms. Starting with Solaris 10 3/05 HW1, SunVTS diagnostics for x86 platforms are supported in the AMD 64-bit environment for the SunVTS kernel (`vtstk`). All diagnostics are ported to 64-bit.

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

- Sun Fire V20z
- Sun Fire V40z
- Sun Fire B100
- Sun Fire B200
- Sun Fire x4100
- Sun Fire x4100 M2
- Sun Fire x4200
- Sun Fire x4200 M2
- Sun Fire x4500
- Sun Fire x4600
- Sun Fire x4600 M2
- Sun Fire x6220
- Sun Blade x8400
- Sun Blade 6000 Chassis
- Sun Blade 6048 Chassis
- Sun Blade x6220 Server Module
- Netra CP3020

Note – If you perform SunVTS on an unsupported platform, a warning message appears and SunVTS stops.

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).
- `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`

SunVTS tests:

- BMC Environment Test (`bmcenvironment`)
- CD DVD Test (`cddvdtest`)
- CPU Test (`cputest`)
- Cryptographics Test (`cryptotest`)
- Disk and Diskette Drives Test (`disktest`)
- Data Translation Look-aside Buffer (`dtlbttest`)
- Emulex HBA Test (`emlxttest`)
- Floating Point Unit Test (`fputest`)
- InfiniBand Host Channel Adapter (`ibhcatest`)
- Level 1 Data Cache Test (`l1dcachetest`)
- Level 2 SRAM Test (`l2sramtest`)
- Ethernet Loopback Test (`netlbttest`)
- Network Hardware Test (`nettest`)
- Physical Memory Test (`pmemtest`)
- Qlogic Host Bus Adapter Test (`qlcttest`)
- RAM test (`ramtest`)
- Serial Port Test (`serialtest`)
- System Test (`sytest`)
- Tape Drive Test (`tapetest`)
- Universal Serial Board Test (`usbtest`)
- Virtual Memory Test (`vmentest`)

Displaying SunVTS Package and Version Information

Use the following command to display SunVTS package information:

```
# pkginfo -l SUNWvts SUNWvtsr SUNWvtsts SUNWvtsmn
```

You can also use either of the following commands to display additional SunVTS package information:

- # pkginfo | grep vts
- # showrev -p | grep vts

Use either of the following commands to display SunVTS version information:

- # sunvts -v
- # cat /opt/SUNWvts/bin/.version

Open Issues

For more information on issues listed in this section, contact Support Services.

Upgrading from SunVTS 6.4 Patch Set 2

Upgrading from SunVTS 6.4 patch set 1 and SunVTS 6.4 patch set 2 packages (installed with `pkgadd`) to SunVTS 6.4 patch set 3 using patch 137324-01 (SPARC platform) or 137325-01 (x86 platform) may result in an error message similar to the following during `patchadd`:

```
Version of package SUNWvts from directory SUNWvts in patch 137324-01 differs from the package installed on the system.
```

Completely remove the SunVTS packages and reinstall the SunVTS 6.4 patch set 3 packages (rather than using patches). If the SunVTS 6.4 patch set 1 and SunVTS 6.4 patch set 2 binaries were installed through `patchadd`, this problem does not occur.

Possible Installation Issue: Install and Uninstall Using the Same Program

Use the same tool or utility for installation and removal of the SunVTS software. If you use `pkgadd` for installation, use `pkgrm` to uninstall; if you use Web Start for installation, use the Product Registry to uninstall.

Possible Runtime Issues for Both x86 and SPARC Platforms

The `cryptotest` should not be run on the Crypto Accelerator 6000 card along with other `crypto` devices in parallel. Limitation is only with Crypto Accelerator 6000.

Workaround: Run `cryptotest` on Crypto Accelerator 6000 when `cryptotest` is not running on any other devices.

CR 6667368: `pfbttest` fails with errors when stopped during test cycle.

CR 6668897: `pfbttest` core dumps with SIGSEGV.

CR 6671606: SunVTS 6.4ps2 Bootable CD — BMC-Logical-Group Functional test bug with A4F, AF+SR, AF+Bar

Feedback and Support

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

ndps-feedback@sun.com

