Oracle VTS 7.0 Patch Set 16 Software

Release Notes

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These sections describe new features and issues related to Oracle VTS 7.0, Patch Set 16 software:

Late-Breaking Information

End of Feature (EOF) Planned for Future Releases of Oracle VTS

Starting VTS7.0ps17 release, `audiotest` will be EOL-ed and will not be shipped with VTS packages.

Patch Set 16 Changes

The following changes were made to the harness and CPU diagnostics:

- Cryptotest has been enhanced with SPARC Stream Processing Unit (SPU) validation algorithms. It adds additional coverage to AES, SHA, MD, CRC, Kasumi and Camellia sub-blocks in SPU.

- FPUtest has been updated with the workaround for the Studio compiler problem (bug: 15901750 - incorrect branch address generation with Studio SS12 compilers). Due to this compiler bug, fputest use to report false HW problem of miscompare errors with cbbcopytest.
- Some more SPARC instruction validation has been added as part of iutest and fputest.
- Usage flag added to command line utility 'vts_cmd' to print the commands that are available for communicating with VTS and its basic use.
- Support added in VTS infrastructure to view the sunvts.event log from the GUI and VTSTTY.

The following changes were made to the input/output diagnostics:

- Disk LT tuned based on Best Practices document.
- Specialized SunVTS SSD profiles created which could maximize Reads or Writes.
- Networktest enhanced to improve probing logic on M4, IO size, testing ports in parallel to reduce test time.
- Networktest messages hardened.
- IO Interconnect LT forked off from Interconnect LT.
- Network LT modified so that networktest can test the ports in parallel in System Exerciser mode.

Documentation Changes

- A new log file to log VTS events is added into tty and GUI. The default path to this log file is /var/sunvts/logs/sunvts.
- New configuration parameter has been added to Harness configuration file.
- Interconnect test has been renamed as Io_Interconnect test.

Note – This is a summary of some changes to the *Oracle VTS 7.0 User Guide for Patch Set 8 and Subsequent Compatible Releases*. This is not a complete list of all changes.

Known Issues

This section describes the known issues.

`bmcenvironment` Test Fails

The BMC test may fail on Oracle Solaris 10 Update 9 release, or on earlier versions of Oracle Solaris OS.

Workaround:

Update to Oracle Solaris 10 Update 10 release, or above versions of Oracle Solaris OS.

Incorrect Packet Drop Count in `networktest` (Bug 16441406)

The message displayed by networktest shows an incorrect value for the number of packets dropped. For example, if 10 packets are dropped, the message shows one less than the actual number of packets dropped.

Workaround:

None.

With VTS 7.0 PS16 BootCD: `networktest` fails in SL-4

While running Oracle VTS through the PS16 boot CD, the networktest fails in SL-4 with the following error message.

```
VTSID 8015 Network.networktest.FATAL Network : "Port net3 is
plumbed up, not supported by networktest."
VTSID 6427 vtsk.ERROR : Network.networktest.0 [net1](pid=7407)
exited with exit code: 1
```

Workaround:

Before running Oracle VTS through the boot image, run the following command:

```
netadm enable -p ncp DefaultFixed
```

Documentation, Feedback and Support

For the latest versions of all of Oracle VTS documents, go to:

http://www.oracle.com/pls/topic/lookup?ctx=OracleVTS7.0

These web sites provide additional resources:

- Documentation
  http://www.oracle.com/technetwork/indexes/documentation/index.html
- Support https://support.oracle.com
- Training https://education.oracle.com