**Oracle VTS 7.0 Patch Set 18 Software**

Release Notes

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# Oracle VTS 7.0 Patch Set 18 Software Release Notes

These sections describe new features and issues related to Oracle VTS 7.0, Patch Set 18 software:

- "Late-Breaking Information" on page 1
- "Known Issues" on page 2
- "Documentation, Feedback and Support" on page 3

# Late-Breaking Information

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

Starting VTS7.0ps19 release, x86 32-bit `vtsk` and `cpupmtest` will be EOL'd and will not be shipped with VTS packages.

## Patch Set 18 Changes

The following enhancements were done to the harness, processor, power, and power management diagnostics:

- cimp library ported to x86, so that x86 tests can use the features of CIMP.
- Task number is added to vtsk's log message when a test exits abnormally.
- vtsk modified to log the system information of the host server at the start.

- Periodic test status summary report is added in vtsk for every test execution
- dtlbtest/apat(x86) subtest modified to use all supported page sizes.

The following enhancements were done to the memory diagnostics (ramtest):

- Changes in the stride value in order to get the maximum coverage.
- Split the march functions assembly to target single operations.
- Size for march operations as the 4* l3$ for a single loop.
- New command line option has been added; "marchfun = split".

The following enhancements were done to the input/ouput diagnostics (diskmediatest):

- ATI subtest enhanced to start testing from inner disk and read data back from the entire test area in a zone.
- A New option is added to ATI subtest to perform multiple reads.
- SSD testing made more stressful.
- A new feature "arwnc" is added, similiar to the "arwnb" feature, except without data comparison.

## Documentation Changes

- Two new diskmediatest features, SSD Wear Leveling and Axiom Disk LT Profile have been documented.
- A new chapter 'VTS on Logical Domains' has been added. This chapter explains the limitations of running Oracle VTS on logical domains (LDOMs) and Logical Device Representations.

**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.

## SSD Wear Information is not Enabled on Taylorsville SSDs (Bug 18517349)

The SSD Wear Leveling feature is not currently enabled for INTEL's Taylorsville SSD. The product IDs of these devices start with "ITVSC" and the Vendor IDs start with "BTTV". Currently, SSD Wear leveling is enabled for INTEL's Lyndonville and SANDISK SSDs.

**Workaround:**

None.

## TrouSerS ERROR: Socket send connection error: Broken pipe during sunvts (Bug 18089983)

On S11.2, `cryptotest` fails on TPM (1.2) driver by displaying the following error:

```
TrouSerS ERROR: Socket send connection error: Broken pipe during
sunvts
```

**Workaround:**

Run the following commands:

```
# cryptoadm uninstall  provider=
/usr/lib/security/'$ISA'/pkcs11_tpm.so
# startsunvts
```

# 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