

Oracle VTS 7.0 Patch Set 18 Software

Release Notes



Part No. E54322-01
April 2014

Copyright © 2011, 2014 Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related software documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS. Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications which may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. UNIX is a registered trademark licensed through X/Open Company, Ltd.

This software or hardware and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Copyright © 2011, 2014 Oracle et/ou ses affiliés. Tous droits réservés.

Ce logiciel et la documentation qui l'accompagne sont protégés par les lois sur la propriété intellectuelle. Ils sont concédés sous licence et soumis à des restrictions d'utilisation et de divulgation. Sauf disposition de votre contrat de licence ou de la loi, vous ne pouvez pas copier, reproduire, traduire, diffuser, modifier, breveter, transmettre, distribuer, exposer, exécuter, publier ou afficher le logiciel, même partiellement, sous quelque forme et par quelque procédé que ce soit. Par ailleurs, il est interdit de procéder à toute ingénierie inverse du logiciel, de le désassembler ou de le décompiler, excepté à des fins d'interopérabilité avec des logiciels tiers ou tel que prescrit par la loi.

Les informations fournies dans ce document sont susceptibles de modification sans préavis. Par ailleurs, Oracle Corporation ne garantit pas qu'elles soient exemptes d'erreurs et vous invite, le cas échéant, à lui en faire part par écrit.

Si ce logiciel, ou la documentation qui l'accompagne, est concédé sous licence au Gouvernement des Etats-Unis, ou à toute entité qui délivre la licence de ce logiciel ou l'utilise pour le compte du Gouvernement des Etats-Unis, la notice suivante s'applique :

U.S. GOVERNMENT RIGHTS. Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle America, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

Ce logiciel ou matériel a été développé pour un usage général dans le cadre d'applications de gestion des informations. Ce logiciel ou matériel n'est pas conçu ni n'est destiné à être utilisé dans des applications à risque, notamment dans des applications pouvant causer des dommages corporels. Si vous utilisez ce logiciel ou matériel dans le cadre d'applications dangereuses, il est de votre responsabilité de prendre toutes les mesures de secours, de sauvegarde, de redondance et autres mesures nécessaires à son utilisation dans des conditions optimales de sécurité. Oracle Corporation et ses affiliés déclinent toute responsabilité quant aux dommages causés par l'utilisation de ce logiciel ou matériel pour ce type d'applications.

Oracle et Java sont des marques déposées d'Oracle Corporation et/ou de ses affiliés. Tout autre nom mentionné peut correspondre à des marques appartenant à d'autres propriétaires qu'Oracle.

AMD, Opteron, le logo AMD et le logo AMD Opteron sont des marques ou des marques déposées d'Advanced Micro Devices. Intel et Intel Xeon sont des marques ou des marques déposées d'Intel Corporation. Toutes les marques SPARC sont utilisées sous licence et sont des marques ou des marques déposées de SPARC International, Inc. UNIX est une marque déposée concédée sous licence par X/Open Company, Ltd.



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* 13\$ for a single loop.
- New command line option has been added; "marchfun = split".

The following enhancements were done to the input/output 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>