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 © 2010, Oracle and/or its affiliates. All rights reserved.

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 États-Unis, ou à toute entité qui délègue la licence de ce logiciel ou l’utilise pour le compte du Gouvernement des États-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.
Release Notes

These release notes describe new features and issues related to Oracle’s SunVTS 7.0, Patch Set 9 software. SunVTS 7.0 Patch Set 9 is integrated into Oracle’s Solaris 10 09/10 software (S10U9).

Open Issues

This section describes known open issues.

Memory LT May Cause System Panic

Due to a bug in the Solaris kernel, some of the tests that use the physmem driver interfaces in Solaris may not function properly. When testing in SunVTS 7.0 patch set 8 and patch set 9, the memory profiles may cause a system panic. [CR 6965691]

Workaround: Do not run Memory Test in stress level 5 and stress level 6.

SunVTS Network Loopback Tests Fail on qlge Interfaces

The SunVTS network loopback tests fail on qlge interfaces with the following message:
VTS GUI Crashes

The SunVTS graphical user interface (GUI) might crash and the screen disappears. The following information is displayed. [CR 6959516]

An unexpected error has been detected by HotSpot Virtual Machine:
SIGSEGV (0xb) at pc=0xff268924, pid=9473, tid=272
Java VM: Java HotSpot(TM) Server VM (1.5.0_14-b03 mixed mode)
Problematic frame:
C [libc.so.1+0x68924] strstr+0x20
An error report file with more information is saved as hs_err_pid9473.log
If you would like to submit a bug report, please visit:
http://java.sun.com/webapps/bugreport/crash.jsp

Workaround: Relaunch the GUI.

Bootable CD Image Does Not Run on Systems with Memory Equal to or Larger than 500 Gigabytes

The SunVTS 7.0 Patch Set 8 (PS8) Bootable CD may not run on large memory systems, 500 Gigabytes or larger.

[CR6943442]
Workaround: None
Patch Set 9 Changes

The following changes were made with SunVTS 7.0 Patch Set 9.

- Added a new Report option in the Log Files Menu. See the user guide for more information.
- SunVTS harness modified to handle memory resource crunch gracefully
- startsunvts script enhanced to have more default testing options.
- A new message type, "ALERT", has been added for messages that are not caused by hardware faults.
- Plumberd network ports are not tested by default in SunVTS 7.0 Patch Set 9. You must update the SunVTS configuration file to enable plumberd network port testing. For more information see: “To Enable Live-Network Port Testing” in the SunVTS 7.0 User’s Guide for Patch Set 8 and Subsequent Compatible Releases, 821-1360.

Documentation Changes

This is a summary of some changes to the SunVTS 7.0 User Guide for Patch Set 8 and Subsequent Compatible Releases, 821-1360. This is not a complete list of all changes.

- Re-organized many chapters of the user guide to reduce repetition and improve clarity. Moved some general test overviews and descriptions from the user interface chapters to Chapter 1 and Chapter 2.
- Some Live-Network Port Testing information was added to the user guide.
- Corrected and added information to Chapter 3, SunVTS 7.0 Packages and Running Instructions. Updated all of the start commands.
- Test Nodes section updated to better define the small and large memory configurations.
- AutoMode Sequencer information updated for clarity and accuracy.
- Updated the Unsafe option configuration file information.
- Corrected the directory and name for the verbose messages log.
- Updated the following descriptions or examples in Chapter 6:
  - set_global_options
  - get_device_options
  - set_device_options
  - quit
  - Reviewing Log Files
Updated these sections in Chapter 7:
- Disk Test and Removable Disk Test
- Graphics Test, Interconnect Test
- Swap Space Requirements
- Network Test

vtsreportgenerate information deleted from Appendix C. Please read the man pages for the latest updates.

vtsprobe utility information moved to Appendix C.

Documentation, Feedback and Support

For the latest versions of all of Oracle’s SunVTS documents, go to:

http://docs.sun.com/app/docs/prod/test.validate

These web sites provide additional resources:
- Documentation http://docs.sun.com/
- Support http://www.sun.com/support/
- Training http://www.sun.com/training/