



# SunVTS™ Quick Reference Card

---

Sun Microsystems, Inc.  
www.sun.com

Part No. 820-1672-10  
September 2007, Revision 01

Submit comments about this document at: <http://www.sun.com/hwdocs/feedback>

Copyright 2007 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.

U.S. Government Rights - Commercial software. Government users are subject to the Sun Microsystems, Inc. standard license agreement and applicable provisions of the FAR and its supplements. Use is subject to license terms.

This distribution may include materials developed by third parties.

Parts of the product may be derived from Berkeley BSD systems, licensed from the University of California. UNIX is a registered trademark in the U.S. and in other countries, exclusively licensed through X/Open Company, Ltd.

Sun, Sun Microsystems, the Sun logo, Java, AnswerBook2, docs.sun.com, and Solaris are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries.

OpenGL is a registered trademark of Silicon Graphics, Inc.

The OPEN LOOK and Sun™ Graphical User Interface was developed by Sun Microsystems, Inc. for its users and licensees. Sun acknowledges the pioneering efforts of Xerox in researching and developing the concept of visual or graphical user interfaces for the computer industry. Sun holds a non-exclusive license from Xerox to the Xerox Graphical User Interface, which license also covers Sun's licensees who implement OPEN LOOK GUIs and otherwise comply with Sun's written license agreements.

This product is covered and controlled by U.S. Export Control laws and may be subject to the export or import laws in other countries. Nuclear, missile, chemical biological weapons or nuclear maritime end uses or end users, whether direct or indirect, are strictly prohibited. Export or reexport to countries subject to U.S. embargo or to entities identified on U.S. export exclusion lists, including, but not limited to, the denied persons and specially designated nationals lists is strictly prohibited.

---

Copyright 2007 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, Californie 95054, États-Unis. Tous droits réservés.

L'utilisation est soumise aux termes de la Licence.

Cette distribution peut comprendre des composants développés par des tierces parties.

Des parties de ce produit pourront être dérivées des systèmes Berkeley BSD licenciés par l'Université de Californie. UNIX est une marque déposée aux États-Unis et dans d'autres pays et licenciée exclusivement par X/Open Company, Ltd.

Sun, Sun Microsystems, le logo Sun, Java, AnswerBook2, docs.sun.com, et Solaris sont des marques de fabrique ou des marques déposées de Sun Microsystems, Inc. aux États-Unis et dans d'autres pays.

OpenGL est une marque déposée de Silicon Graphics, Inc.

L'interface d'utilisation graphique OPEN LOOK et Sun™ a été développée par Sun Microsystems, Inc. pour ses utilisateurs et licenciés. Sun reconnaît les efforts de pionniers de Xerox pour la recherche et le développement du concept des interfaces d'utilisation visuelle ou graphique pour l'industrie de l'informatique. Sun détient une licence non exclusive de Xerox sur l'interface d'utilisation graphique Xerox, cette licence couvrant également les licenciés de Sun qui mettent en place l'interface d'utilisation graphique OPEN LOOK et qui, en outre, se conforment aux licences écrites de Sun.

Ce produit est soumis à la législation américaine en matière de contrôle des exportations et peut être soumis à la réglementation en vigueur dans d'autres pays dans le domaine des exportations et importations. Les utilisations, ou utilisateurs finaux, pour des armes nucléaires, des missiles, des armes biologiques et chimiques ou du nucléaire maritime, directement ou indirectement, sont strictement interdites. Les exportations ou réexportations vers les pays sous embargo américain, ou vers des entités figurant sur les listes d'exclusion d'exportation américaines, y compris, mais de manière non exhaustive, la liste de personnes qui font objet d'un ordre de ne pas participer, d'une façon directe ou indirecte, aux exportations des produits ou des services qui sont régis par la législation américaine en matière de contrôle des exportations et la liste de ressortissants spécifiquement désignés, sont rigoureusement interdites.



Adobe PostScript

# Contents

---

Starting the SunVTS Software	1
▼ To Start SunVTS Using the GUI	1
▼ To Start SunVTS Using the SunVTS TTY Interface	2
SunVTS GUI Main Window	3
Commands Menu	4
View Menu	5
Options Menu	5
Reports Menu	5
DSched Menu	5
Help Menu	6
Quick Access Buttons	6
Status Panel	6
System Map	6
Select Devices	7
Select Test Mode	7
Test Message Panel	7
SunVTS GUI Option Menu Dialog Boxes	8
SunVTS GUI Option Menu Dialog Box Descriptions	9
Threshold Options	9

Notify Options	9
Schedule Options	9
Test Execution Options	9
Advanced Options	10
Option Files	10
Store Option File	10

# SunVTS Quick Reference

---

## Starting the SunVTS Software

Follow these steps to start SunVTS.

### ▼ To Start SunVTS Using the GUI

1. **Become superuser (root) and change directories to the SunVTS bin directory (/opt/SUNWvts/bin by default).**
2. **If you are testing a local system type the following:**

```
# ./sunvts
```

3. **If you are testing a remote machine that is running the SunVTS kernel, type the following:**

```
# ./sunvts -h remote-hostname
```

Replace *remote-hostname* with the hostname of the remote machine.

## ▼ To Start SunVTS Using the SunVTS TTY Interface

- Type the following:

```
# ./sunvts -t
```

TABLE 1 describes the common TTY interface command keys.

**TABLE 1** Common TTY Interface Command Keys

Key	Description
Tab	Selects another panel; the selected panel is surrounded by asterisks (*)
Return	Selects an option or displays a menu
Space bar	Toggles (enables or disables) a choice
Arrow Keys	Moves the cursor in a selected panel
Escape	Discards a pop-up menu or window
Control-F	Scrolls forward in option windows
Control-B	Scrolls backward in option windows
Control-X	Quits the TTY Interface, but leaves the SunVTS kernel running on the test machine

# SunVTS GUI Main Window

FIGURE 1 shows the SunVTS GUI main window.

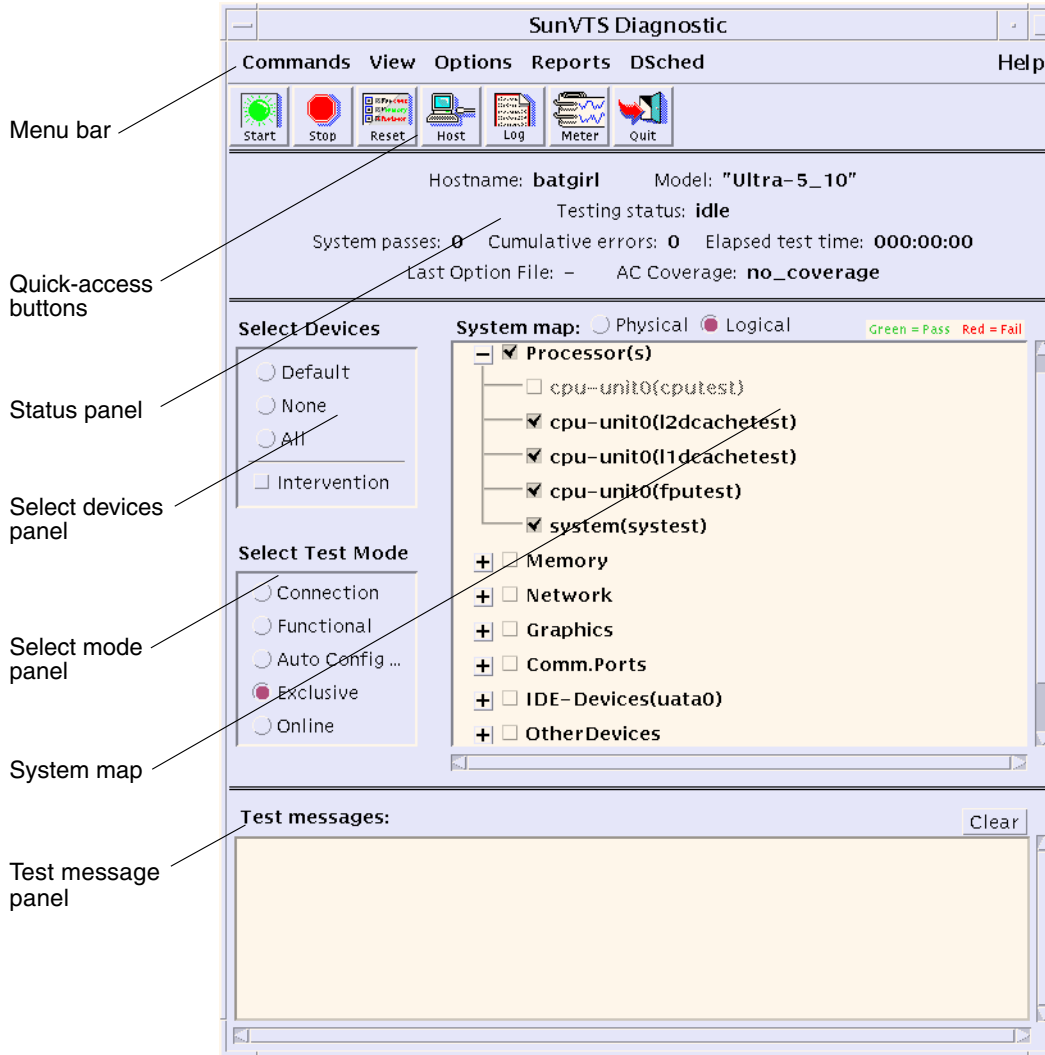


FIGURE 1 SunVTS GUI Main Window

FIGURE 2 shows the SunVTS menu bar:

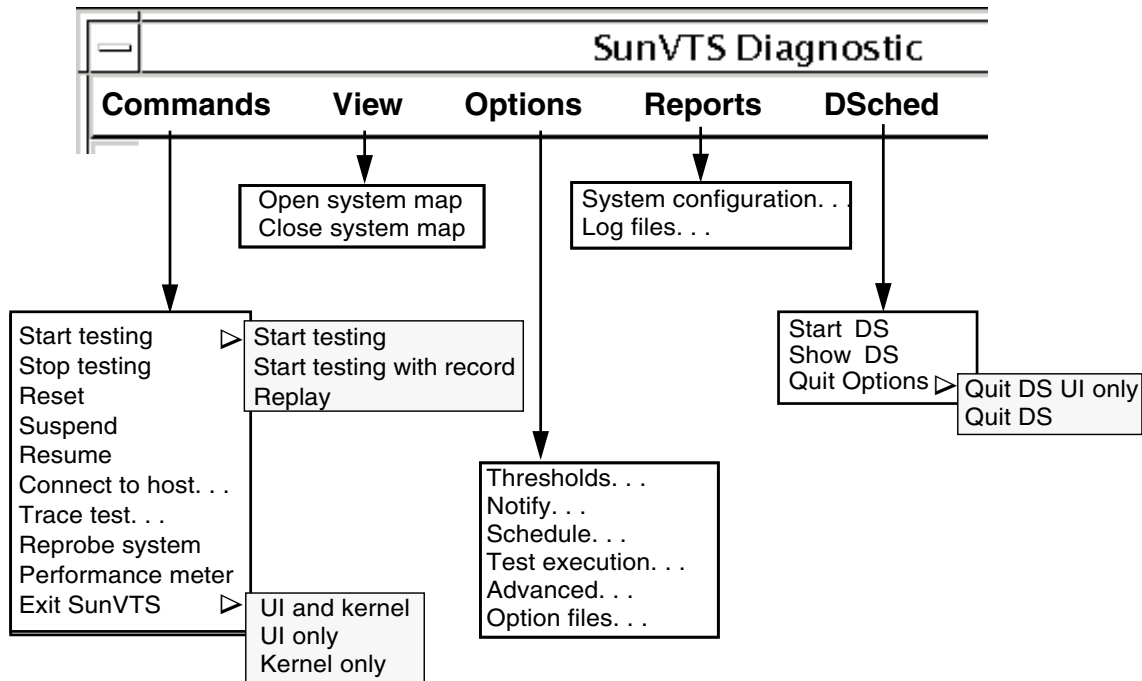


FIGURE 2 SunVTS Menus From the Menu Bar

## Commands Menu

The Commands menu has the following functions.

- Start testing
  - Starts enabled tests
  - Starts enabled tests; records testing session
  - Replays a recorded testing session
- Stop – Stops testing
- Reset – Sets pass/error count to zero; pauses
- Suspend – Pauses active tests
- Resume – Resumes testing
- Connect to Host – Connects to another machine running SunVTS kernel
- Trace test – Traces enabled tests
- Reprobe system – Probes system again
- Quit SunVTS – Quits the following: UI and Kernel, UI only, Kernel only



## View Menu

The view menu has the following options:

- Open System map
- Close System map

## Options Menu

The Options menu has the following options:

- Thresholds
- Notify
- Schedule
- Test execution
- Advanced
- Option files

## Reports Menu

The Reports menu contains the System Configuration menu, which displays or prints system configuration. It displays, prints, or removes log file information.

## DSched Menu

The DSched menu provides access to the SunVTS Deterministic Scheduler as follows:

- Start DS – Starts the Deterministic Scheduler feature and displays the Deterministic Scheduler dialog box.
- Show DS – Displays the Deterministic Scheduler dialog box after you quit the DS UI.
- Quit Options – Provides access to the following quit options:
- Quit DS UI only – Quits the Deterministic Scheduler dialog box and leaves the Deterministic Scheduler running.
- Quit DS – Quits the Deterministic Scheduler dialog box and stops the Deterministic Scheduler.

# Help Menu

The Help menu provides access to the SunVTS version that is running and to a table that lists which versions of SunVTS run on the Solaris Operating System releases. The Help menu also provides a link to the SunVTS user's guide and test reference manual for online help.

## Quick Access Buttons

- Start – Starts enabled tests
- Stop – Stops active tests
- Reset – Resets pass and error counts to zero; pauses tests
- Host – Connects to a machine running SunVTS
- Log – Displays or prints log files
- Meter – Displays system performance meter
- Quit – Quits only the SunVTS user interface

## Status Panel

The system status panel displays the following:

- Host name being tested
- Model being tested
- Testing status
- System passes
- Cumulative errors
- Elapsed test time

## System Map

You can view devices in the System map as follows:

- Logical Mapping – Organizes the devices, according to function, into groups.
- Physical Mapping – Organizes the devices according to their exact location on the system.

---

**Note** – Select View → Open System Map to expand collapsed groups in the system map.

---

The system map also provides access to the test options for each group and device, and displays the results of device testing:

- Asterisk – Indicates a device is currently being tested
- Black – Indicates the device is not tested, or the first pass is not complete
- Green – Indicates at least one test completed with no errors detected
- Red – Indicates at least one error was detected

## Select Devices

With the Select Devices menu you can select the following:

- Default – Selects the SunVTS default set of devices
- None – Deselects all devices
- All – Selects all devices
- Intervention – Required before you can select tests that require special device preparation

## Select Test Mode

With the Select Mode option you can select the following:

- Connection test mode – Provides a low-stress, quick testing of the availability and connectivity of selected devices.
- Functional test mode – Provides more robust testing of your system and devices as compared with Connection test mode.
- Exclusive test mode – Enables users to perform tests that must be performed exclusively and which allow no other applications to be running at the same time.
- Online test mode – Enables users to perform `sunvts` testing while other customer applications are running concurrently.
- Auto Config test mode – Opens the Automatic Configuration dialog box which provides access to the Auto Config feature. This feature automatically assigns test options.

## Test Message Panel

Test messages are displayed in the SunVTS console window, which displays errors and status.

# SunVTS GUI Option Menu Dialog Boxes

FIGURE 3 displays the SunVTS GUI option menu dialog boxes:

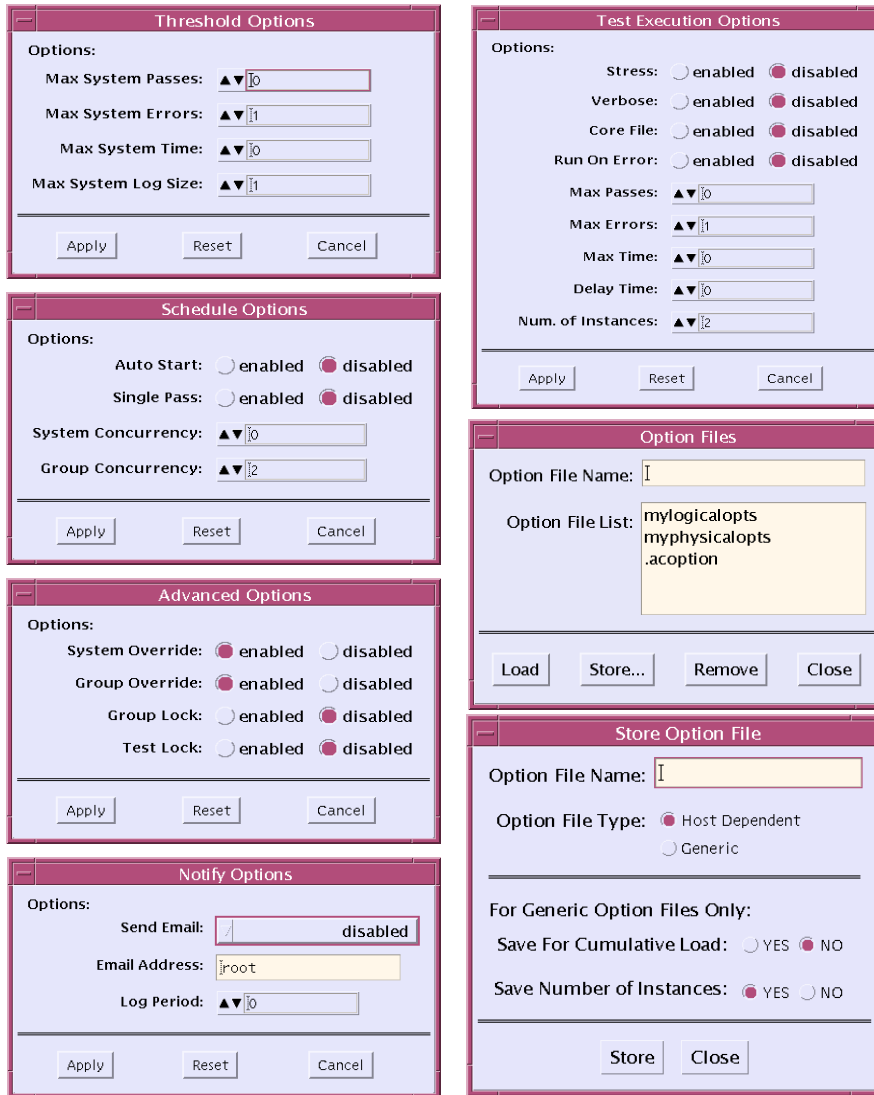


FIGURE 3 SunVTS GUI Option Menu Dialog Boxes

# SunVTS GUI Option Menu Dialog Box Descriptions

These dialog boxes are displayed from the selections available in the Options Menu.

---

**Note** – Use arrows to increase or decrease dialog box values.

---

## Threshold Options

- Max System Passes – States maximum number of system passes before stopping all tests (0 means infinite passes).
- Max System Errors – Indicates maximum number of errors before stopping all tests (default is 1).
- Max System Time – Indicates maximum number of minutes to run all tests (0 means infinite).

## Notify Options

- Send Email – When selected, sends testing status messages to you through email.
- Email Address – Establishes an email address where testing status messages are sent.
- Log Period – Indicates time, in minutes, between testing status email messages.

## Schedule Options

- Auto Start – Begins testing when SunVTS is started; used with the Options Files option.
- Single Pass – Runs only one pass of each selected test.
- System Concurrency – Specifies the number of tests you want to run concurrently.
- Group Concurrency – Specifies the number of test groups you want to run concurrently.

## Test Execution Options

- Stress – Increases test performance; only available for some tests.
- Verbose – Displays verbose test messages in the SunVTS Console window.
- Core File – When disabled, SunVTS sends messages instead of creating a core file.

- Run On Error – Continues testing until the maximum error number is reached for the system; each test can report up to three error messages per failure.
- Max Passes – Specifies maximum number of passes a test can be run.
- Max Errors – Sets maximum number of errors a test will allow before stopping (0 means infinite).
- Max Time – Defines a time limit, in minutes, a test can run (0 means infinite).
- Delay Time – Specifies, in seconds, the amount of time to pause between execution of the tests.
- Number of Instances – Sets number of instances for each scalable test.

## Advanced Options

- System Override – Changes all test and group system options to match the options on this window (enabled by default).
- Group Override – Overrides any test system options in favor of the group options on this window, unless System Override is enabled.
- Group Lock – Protects test group options from being changed.
- Test Lock – Protects the test system options from being changed in this window, unless Group Override or System Override is enabled.

## Option Files

- Options File Load/Store/Remove – Displays file name field where you can enter a file name to load, store, or remove.

## Store Option File

- Store Option File/Option File Name/Option File Type – This dialog box appears when you select Store from the Option Files dialog box and allows you to specify the name and type of the option file selected for storing.