



# SunVTS™ Quick Reference Card

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# SunVTS Quick Reference

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## 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

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## SunVTS GUI Main Window

FIGURE 1 shows the SunVTS GUI main window.

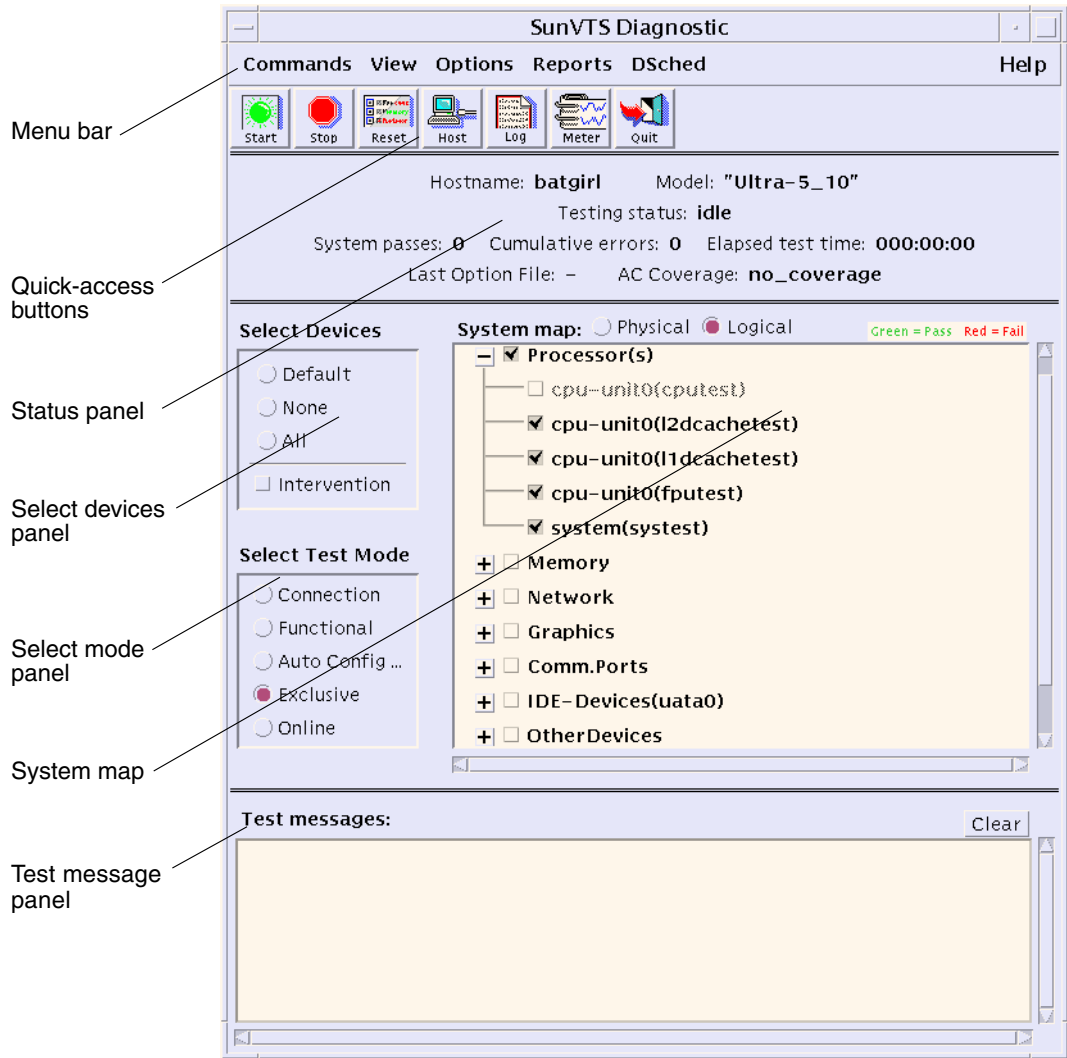


FIGURE 1 SunVTS GUI Main Window

FIGURE 2 shows the SunVTS menu bar:

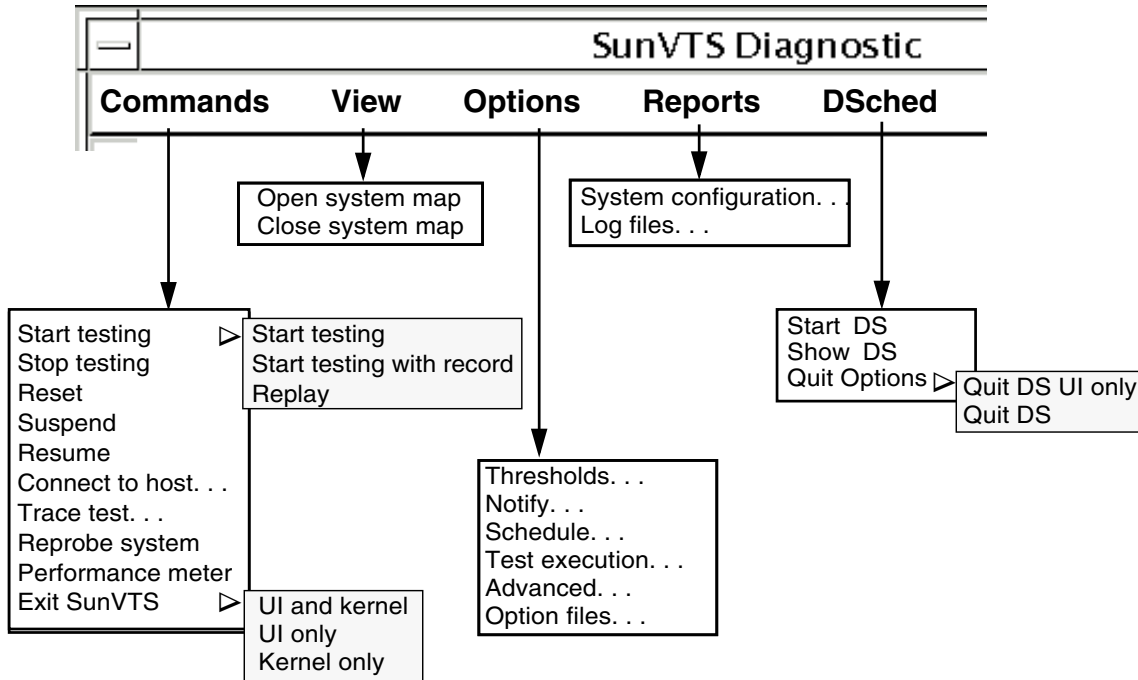


FIGURE 2 SunVTS Menus From the Menu Bar

## 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.

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

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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.

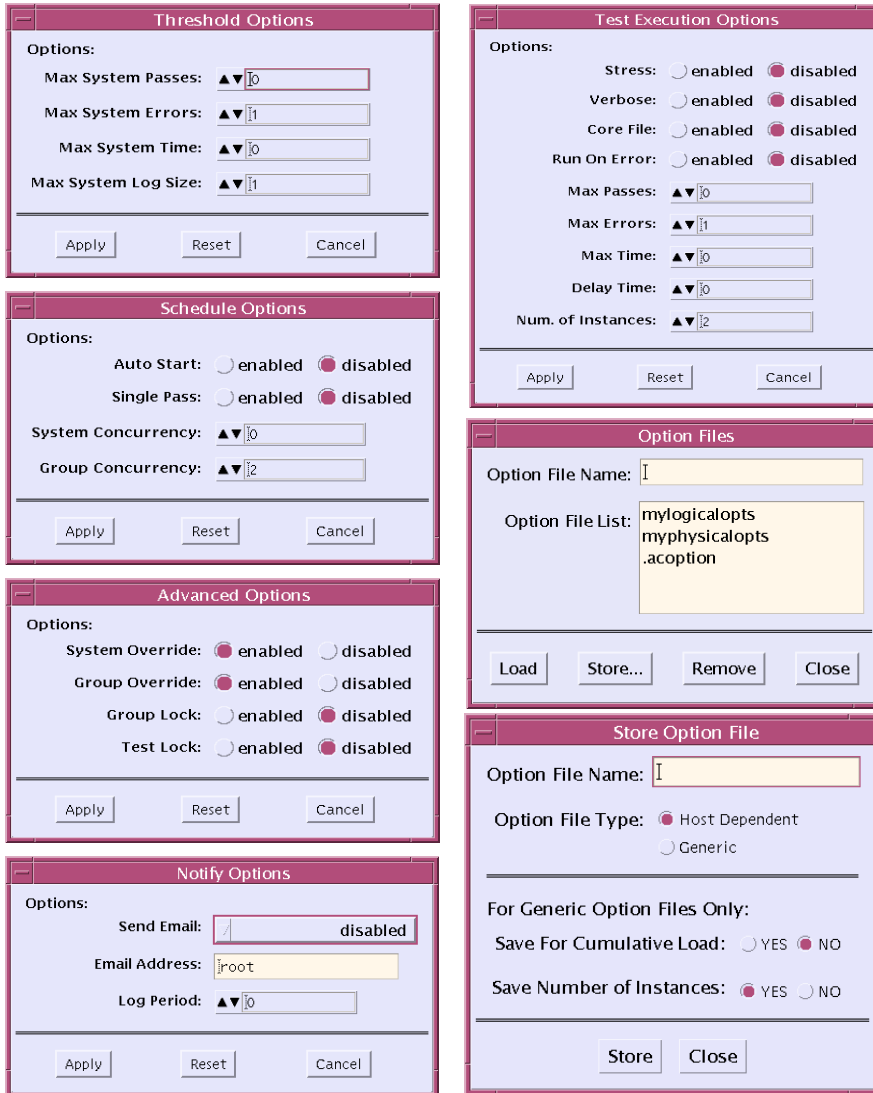
## Test Message Panel

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

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# 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.

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

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## 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.