



Sun™ Control Station 2.2 Inventory Module

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Inventory Module

The Inventory module on the Sun™ Control Station allows you to track the hardware and software in your managed hosts by providing detailed information about the hardware and software components in each host. The features of the Inventory module allow you to:

- View the hardware and software inventory for each managed host
- Update the display of available hardware and software components

Note – This document assumes that you understand the basic operation of the Sun Control Station software. For an introduction to the basic Sun Control Station features such as status icons, the selector window, the Scheduler, and the Task Progress dialog, see the *Sun Control Station 2.2 Administrator Manual*.

About Installing the Inventory Module

By default, the Inventory module is installed as part of the Sun Control Station core software. If you want to add the Inventory module after the core software is installed, you can use one of the following methods:

- The Sun Control Station's Add Modules function, which you can access from Administration → Modules menu selections. See the *Sun Control Station 2.2 Administrator Manual*.
- The `moduleMgr.pl` utility from the Control Station server.

During installation, the client components, `invengen` and `client_inventory`, are pushed to each managed host. These client components collect information and write it to the file `inventory.current` on the managed host(s).

Inventory Menu

The functions that are available for tracking the hardware and software components in each managed host are grouped under the menu item labelled Inventory. You can access the Inventory functions through the Inventory menu located on the left-hand column of the graphical interface as shown in [Figure 1](#).



FIGURE 1 Inventory Submenu Items

When you expand the Inventory menu item, you can access the Inventory functions:

- Hardware Inventory (see [“Hardware Inventory”](#))
- Software Inventory (see [“Software Inventory”](#))

Hardware Inventory

The Hardware Inventory menu item allows you to select a managed host for which you want to view the hardware inventory. See [“Selecting a Managed Host.”](#) You can also update the display of the hardware components. For more information about the update function, see [“Update.”](#)

Selecting a Managed Host

To select a managed host for which you want to view the hardware inventory:

1. Select Inventory → Hardware Inventory.

The Select Managed Hosts for Hardware Inventory table appears in the selector window (see [Figure 2](#)).

2. Select one of the hosts in the list.

You choose a host by selecting the check box to the left of the appropriate host.

Note – You can only select one host at a time. The Select All button at the top of the table is not used for the Inventory functions. If you select more than one host, the system issues an error. If you mistakenly select more than one host, the Deselect All button allows you to clear the check boxes so that you can select one host.



FIGURE 2 Select Managed Hosts for Hardware Inventory Table

Viewing the Hardware Inventory

To view the inventory of hardware components of a managed host:

- 1. Select Inventory → Hardware Inventory.**

The Select Managed Hosts for Hardware Inventory table appears in the selector window. This table displays the list of managed hosts (see [Figure 2](#)).

- 2. Select one of the managed hosts in the table.**

See “[Selecting a Managed Host](#)” for information.

- 3. Click View Inventory at the bottom of the selector window.**

The Hardware Inventory table appears, displaying the hardware inventory of the host you selected. See [Figure 3](#) for a sample table.

Host Information							
IP	Host	Alias	ID	DNS	NIS	Boot	Tzone
10.6.74.199	fedoracore1-scs.sfbay.sun.com	fedoracore1-scs localhost.localdomain localhost	007f0100	sfbay.sun.com	(none)	Mon Nov 8 13:06:32 2004	PST

System Information						
Model	Arch	OS Vers	Serial	Name	MAC	Locale
Unknown	i686	Linux 2.4.22-1.2115.nptlsmp	Unknown	eth0	00:07:E9:04:A3:E1	C

CPU Information				
Vendor	Speed	Level	Model	Family
GenuineIntel	3056.864		Intel(R) Xeon(TM) CPU 3.06GHz	15
GenuineIntel	3056.864		Intel(R) Xeon(TM) CPU 3.06GHz	15
GenuineIntel	3056.864		Intel(R) Xeon(TM) CPU 3.06GHz	15
GenuineIntel	3056.864		Intel(R) Xeon(TM) CPU 3.06GHz	15

File Systems Information						
Type	Tot Blks	Free Blks	NSU Blks	Nodes	File Len	Space
61267	101086	92298	87079	26104	255	85

Memory Information				
Tot Memory	Free Memory	Shared Memory	Tot Swap	Free swap
2068456 kB	1879520 kB	0 kB	1831400 kB	1831400 kB

FIGURE 3 Hardware Inventory Table

The Hardware Inventory table contains the following parts:

- **Host Information** displays the following information:
 - IP: The IP address of the host
 - Host: The name of the host
 - Alias: The alias of the host
 - ID: The host ID
 - DNS: The Domain Name System server if in use
 - NIS: The Network Information System server if in use

- Boot: The last time the machine was booted
- TZone: The time zone of the host
- **System Information** displays the following information:
 - Model: The system model of the host
 - Arch: The architecture of the host
 - OS Version: The operating system and version running on the host
 - Serial: The host hardware serial number
 - Name: The interface name for the port used for Media Access Control
 - MAC: The Media Access Control address of the host
 - Locale: The locale of the host
- **CPU Information** displays the following information for each CPU in the host:
 - Vendor: The CPU vendor
 - Speed: The CPU speed
 - Level: The CPU level
 - Model: The description of the CPU model
 - Family: The CPU family
- **File Systems Information** displays the following information:
 - Type: The file system type
 - Tot Blks: The total number of blocks of the file system
 - Free Blks: The number of free blocks
 - NSU Blks: The number of free blocks for nonsuper users
 - Nodes: The total number of nodes
 - File Len: The file length
 - Space: The total free space in megabytes
- **Memory Information** displays the following information:
 - Tot Memory: The total host memory
 - Free Memory: The available free memory
 - Shared Memory: The amount of shared memory
 - Tot Swap: The total swap memory
 - Free Swap: The available swap memory

Software Inventory

The Software Inventory menu item allows you to select a managed host for which you want to view the software inventory. See [“Selecting a Managed Host.”](#) You can also update the display of the software components. See [“Update”](#) for more information about the update function.

Selecting a Managed Host

To select a managed host for which you want to view the software inventory:

- 1. Select Inventory → Software Inventory.**

The Select Managed Hosts for Software Inventory table appears in the selector window (see [Figure 4](#)).

- 2. Select one host in the list.**

You choose a host by selecting the check box to the left of the appropriate host.

Note – You can only select one host at a time. The Select All button at the top of the table is not used for the Inventory functions. If you select more than one host, the system issues an error. If you mistakenly select more than one host, the Deselect All button allows you to clear the check boxes so that you can select one host.

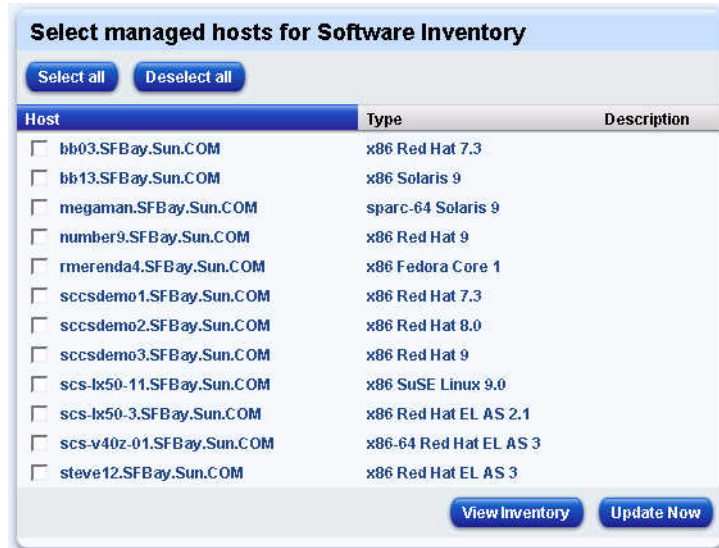


FIGURE 4 Select Managed Hosts for Software Inventory Table

Viewing the Software Inventory

To view the inventory of software components in a managed host:

- 1. Select Inventory → Software Inventory.**

The Select Managed Hosts for Software Inventory table appears in the selector window. This table displays the list of managed hosts (see [Figure 4](#)).

- 2. Select one host in the table.**

See “[Selecting a Managed Host](#)” for information.

- 3. Click View Inventory at the bottom of the selector window.**

The Software Inventory table appears displaying the software inventory of the host you selected. See [Figure 5](#) for a sample table.

Software Info		
Label	Description	Revision
acl	Access control list utilities.	2.2.7-2
acpid	ACPI Event Daemon	1.0.2-5
anacron	A cron-like program that can run jobs lost during downtime.	2.3-29
apmd	Advanced Power Management	3.0.2-20
AppConfig	CPAN AppConfig Module	1.52-2
ash	A smaller version of the Bourne shell	0.3.8-15
aspell	A spelling checker.	0.50.3-16
aspell-en	English dictionaries for Aspell.	0.51-6
at	Job spooling tools.	3.1.8-46.1
attr	Utilities for managing filesystem extended attributes.	2.4.1-2
authconfig	Text-mode tool for setting up NIS and shadow passwords.	4.3.8-1
autofs	A tool for automatically mounting and unmounting filesystems.	3.1.7-42
base-mgmt-allstart	Sun Control Station Allstart Module client files	1.0-15
base-mgmt-client	Sun Control Station client components	2.2-10
base-mgmt-health-LX50-scripts	Perl scripts that contain monitoring functions for RaQ3/RaQ4 products	1.0-44
base-mgmt-hmd-i386	Health Monitoring for Sun Cobalt	1.0-45
base-mgmt-inventory	Sun Control Station Inventory Module client files	1.0-14
base-mgmt-lom	Sun Control Station LOM Module client files	2.2-11
base-mgmt-swmgmt-test1	Sun Control Station Software Management Test RPM	1.0-1

FIGURE 5 Software Inventory Table

The Software Inventory table displays the following information for each software component:

- **Label:** The name of the software component
- **Description:** The function of the software component
- **Revision:** The revision level of the software component

Update

When the Select Managed Hosts for Hardware Inventory table (Figure 2) or the Select Managed Hosts for Software Inventory table (Figure 4) is displayed, you can update the inventory listing of components in a managed host.

Updating the Inventory Data

To update either the hardware or software inventory listing of a managed host:

1. **Select either Inventory → Hardware Inventory or Inventory → Software Inventory.**

The Select Managed Hosts for Hardware Inventory table (Figure 2) or the Select Managed Hosts for Software Inventory table (Figure 4) appears, displaying the list of managed hosts.

2. **Choose a host by selecting the check box at the left of the appropriate host.**

Note – You can only select one host at a time. The Select All button at the top of the table is not used for the Inventory functions. If you select more than one host, the system issues an error. If you mistakenly select more than one host, the Deselect All button allows you to clear the check boxes so that you can select one host.

3. Click **Update Now** in the bottom right corner of the table.

The Task Progress dialog appears. The Task Progress dialog displays a status message indicating whether the update was successful. You can click **View Events** to display a list of the update events or click **Done** to return to the **Select Managed Hosts** table.



FIGURE 6 Update Now Task Progress Dialog

Note – You can also schedule the updating of the inventory information for a later time. For more information about scheduling and the Task Progress dialog, see the *Sun Control Station 2.2 Administrator Manual*.
