Sun Storage Common Array Manager

Quick Start Guide

This guide can help you with the basic steps of installing Oracle's Sun Storage Common Array Manager software. If you are upgrading from a previous version or need additional information, see the *Sun Storage Common Array Manager Software Installation and Setup Guide*. See Documentation, Support, and Training for documentation links.

▼ Verify System Requirements

You can install Sun Storage Common Array Manager on any of the following management and data host platforms:

Sun SPARC server, workstation, or X86 computer	Solaris 11 Express 2010.11, Solaris 10 U10 OS, Solaris 10 U9 OS, Solaris 10 U5 OS, OpenSolaris 2009.06, Solaris 9 OS 1070 megabytes available disk space
Windows Server	Windows 2008 R2, Windows 2008 SP2, Windows 2003 SP2, Windows XP Professional SP3 (32 bit) 1175 megabytes available disk space
x64 computer	Oracle Linux 6.0 with Unbreakable Enterprise Kernel 2.6.32; Oracle Enterprise Linux 5.6 and 5.5 (with Unbreakable Enterprise Kernel 2.6.32), Oracle VM 2.2, Red Hat Linux 6.0, 5.6, 5.5, 4.8; SuSE Linux Enterprise Server 11 SP1 and SuSE Linux Enterprise Server 10 SP3 1000 megabytes available disk space

Note – See the *Sun Storage Common Array Manager Release Notes* for the latest management and data host operating system support information.

The installation script verifies disk space requirements. If you want to check the space requirements for each directory, see the *Sun Storage Common Array Manager Installation and Setup Guide* for details.

▼ Download Sun Storage Common Array Manager Software and Patches

1. **Sign in to My Oracle Support:**

   https://support.oracle.com/

2. **At the top of the page, click the Patches & Updates tab.**

3. **Search for CAM software and patches in one of two ways:**

   - If you have the patch number for the CAM software or patch:

   a. **Under the Patch Search section, click the Search tab.**

   b. **In the Patch Name or Number field, enter the patch number. For example, 10272123 or 141474-01.**

   c. **Click Search.**

   - If you do not have a patch number:

   a. **Under the Patch Search section, click the Search tab, and then click the Product or Family (Advanced Search) link.**

   b. **Check Include all products in a family.**

   c. **In the Product field, start typing Sun Storage Common Array Manager (CAM), and select it when it appears.**

   d. **In the Release field, expand Sun Storage Common Array Manager (CAM), check the release and patches you want to download, and then click Close.**

   e. **Click Search.**

4. **Select the patch you want to download.**

5. **Click ReadMe for a patch description and installation instructions.**

6. **Click Download for a single patch, or Add to Plan to download a group of patches.**

▼ Install the Software

1. **Unpack or unzip the package you downloaded and save the unpacked files to:**

   `/install_dir/Host_Software_6.x.x.x`

2. **Start the installer as** `root` **(Solaris OS) or Administrator (Windows), using the appropriate operating system command:**

Operating System	Command
Solaris OS	`RunMe.bin`
OpenSolaris OS	`pfexec./RunMe.bin`
Windows	`RunMe.bat`
Linux	`RunMe.bin`

3. Review and accept the license agreement.

4. Select Typical (full) to install the full Sun Storage Common Array Manager software. A full install includes the following packages:

   - Management host software with GUI
   - Data host proxy agent
   - Administrator host CLI client

5. When the installation completes, the View Results screen is displayed.

▼ Install the Data Host Proxy Agent for JBOD Arrays

Optionally, install the proxy agent on each data host that has an in-band connection to a JBOD array.

1. Launch the installer as described in Step 2.

2. Review and accept the license agreement.

3. Select Custom > Data Host Proxy Agent.

4. When the installation completes, the View Results screen is displayed.

▼ Configure the Management Host Firewall

1. Set the firewall to allow an exception for port 6789.

2. If your firewall program prompts you to set the port for you, see your firewall documentation for instructions on how to open a port.

▼ Open Incoming and Outgoing Ports

Open the following incoming and outgoing ports for secure-by-default Solaris OS, OpenSolaris, Linux, and Windows platforms:

Port	Port Number	Description
Incoming Ports	TCP 6788	Console HTTP port that redirects to 6789
	TCP 6789	Console HTTPS port
Outgoing Ports	TCP 25	SMTP used for email event notification from the Fault Management Service (FMS)
	UDP 161	SNMP used for event notification traps from FMS
	TCP 2463	Use for remote procedure calls (RPC) with the array
Proxy Agent Ports	8653	Open port only if you install the JBOD proxy agent

▼ Start the Management Software

1. **Use the IP address of the management host to access the management software:**

   `https://cam-management-host:6789`

2. **Log in as root (Solaris OS) or Administrator (Windows).**

   The Oracle Java Web Console page is displayed.

▼ Next Steps

Refer to a topic in one of the following guides for information about performing your next steps.

Task	Topic	Sun Storage Common Array Manager Content
Enter site and array information	Initial Array Set Up	Installation and Setup Guide
Register arrays	Registering Arrays	Installation and Setup Guide
Enable premium features for RAID arrays	Managing Licenses	Array Administration Guide or Online Help
Configure basic RAID storage	Configuring RAID Storage	Installation and Setup Guide
Set up profiles and storage pools	Configuring Storage Profiles Configuring Storage Pools	Array Administration Guide or Online Help
Create volumes and virtual disks	Configuring Storage Volumes Configuring Virtual Disks	Array Administration Guide or Online Help
Create hosts/host groups	Configuring Host Groups and Hosts	Array Administration Guide or Online Help
Map volumes to hosts/host groups	About Mapping Functions	Array Administration Guide or Online Help
Set up monitoring	Setting Up Array Monitoring	Installation and Setup Guide
Add users and set up roles	Adding Users And Assigning Roles	Installation and Setup Guide
	Managing User Accounts	Array Administration Guide or Online Help
Set up Access Configuration (zones) for JBOD arrays	SAS Domain Access Configuration	Installation and Setup Guide

Documentation, Support, and Training

Documentation	http://www.oracle.com/technetwork/documentation/oracle-unified-ss-193371.html
Support	https://support.oracle.com/
Software licensing	http://licensecodes.oracle.com/
Training	https://education.oracle.com