

Sun StorEdge™ Component Manager 2.0 Installation Guide

For the Microsoft NT Operating Environment



THE NETWORK IS THE COMPUTER™

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Preface

The *Sun StorEdge Component Manager Installation Guide* provides instructions for installing the Sun StorEdge™ Component Manager software, verifying the installation, launching the software, and de-installing the software.

How This Book Is Organized

Chapter 1 describes the steps needed to install the software, as well as how to stop and restart the software.

Typographic Conventions

TABLE P-1 Typographic Conventions

Typeface	Meaning	Examples
AaBbCc123	The names of commands, files, and directories; on-screen computer output	Edit your <code>.login</code> file. Use <code>ls -a</code> to list all files. % You have mail.
AaBbCc123	What you type, when contrasted with on-screen computer output	% su Password:
<i>AaBbCc123</i>	Book titles, new words or terms, words to be emphasized	Read Chapter 6 in the <i>User's Guide</i> . These are called <i>class</i> options. You <i>must</i> be superuser to do this.
	Command-line variable; replace with a real name or value	To delete a file, type <code>rm filename</code> .

Related Documentation

TABLE P-2 Related Documentation

Application	Title	Part Number
Install	<i>Sun StorEdge Component Manager Installation Guide: For the Solaris Operating Environment</i>	806-1576
User	<i>Sun StorEdge Component Manager User's Guide</i>	806-1579
Release	<i>Sun StorEdge Component Manager Release Notes</i>	806-1580
Help	Sun StorEdge Component Manager Online Help	

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Installing Sun StorEdge Component Manager

This chapter contains the following topics for installing the Sun StorEdge Component Manager software:

- “Introduction to Sun StorEdge Component Manager” on page 2
- “Pre-installation Requirements” on page 2
- “Installing the Software” on page 3
- “Manually Starting the Component Manager Daemons” on page 8
- “Starting the Sun StorEdge Management Console” on page 8
- “Manually Stopping the Component Manager Daemons” on page 8
- “Configuring the `hosts` File” on page 7
- “Uninstalling the Software” on page 9

Note – You should read this chapter before attempting to install or operate Sun StorEdge Component Manager on a Sun StorEdge T300, Sun StorEdge T301, or Sun StorEdge T310 disk trays. (All supported disk trays, that is T300, T301, or T310 are referred to as “T300” within this document.)

Introduction to Sun StorEdge Component Manager

Sun StorEdge Component Manager is a graphical interface that enables you to monitor and manage subsystem storage enclosures. Component Manager 2.0 supports Sun StorEdge T300 components and operates under the Solaris 2.6 and Solaris 7 operating environments as well as the Microsoft NT operating environment.

Specifically, Sun StorEdge Component Manager provides status monitoring, alarm notification, email and remote service support functionality, and control capability for a single enclosure or multiple enclosures where management information is accessible by a single host via ethernet.

Pre-installation Requirements

Before installing the Sun StorEdge Component Manager software, verify that you have met the following requirements:

- A *minimum* of 140MB has been allotted for Sun StorEdge Component Manager virtual memory usage. Each additional enclosure requires approximately 3MB of virtual memory.
- You have allotted 36 MB disk space:
- The Sun StorEdge T300 configuration must be correct. Refer to the *Sun StorEdge T300 Installation, Operation and Service Manual* and the *Sun StorEdge T300 Administrator's Guide* for more details.

Installing the Software

Installing the software is a simple process, taking up to fifteen minutes to complete, depending upon whether you already have the required versions of the Java2 Runtime Environment (JRE) and Cygwin already installed.

- 1. Load the disc with the label-side facing up into the CD-ROM drive.**
- 2. Start Windows NT Explorer.**
 - a. From the Start Menu: select Windows NT Explorer.**
- 3. Select the CD-ROM drive in the left panel.**
- 4. Start the installation script.**

`cdrom:\Component_Mgr\Win_NT\ComponentManager.exe`

- a. Double-click on ComponentManager.exe.**
- b. Click the Yes button to continue.**

Installing Cygwin

If not installed, you will be prompted whether to install Cygwin.

1. **Click the Next button to proceed with the installation.**

Clicking No will abort the installation of Cygwin and Component Manager.

2. **Click the Yes button to accept the License Agreement.**
3. **Click the Next button at the About Cygnus Solutions Welcome Box.**
4. **Choose the destination folder.**

Select a folder by performing one of the following:

- a. **Click the Next button to accept the default folder.**
- b. **Click on the Browse button to navigate to the desired location.**

5. **Choose the folder name.**

Name a folder by performing one of the following:

- a. **Click the Next button to accept the default folder name.**
- b. **Enter the name of the folder.**

6. **Click the Finish button to proceed with supplemental installations.**
7. **Click the OK button after the Cygwin B20 installation has completed.**

Installing the Java2 Runtime Environment

If not installed, you will be prompted whether to install the Java2 Runtime Environment (JRE).

1. **Click the Yes button to proceed with the installation.**

Clicking No will abort the installation of Java2 and Component Manager.

2. **Click the Yes button to accept the License Agreement.**
3. **Choose the destination folder.**

Select a folder by performing one of the following:

- a. **Click the Next button to accept the default folder.**
- b. **Click on the Browse button to navigate to the desired location.**

Installing the Sun StorEdge Management Console

If not installed, you will be prompted whether to install the Sun StorEdge Management Console.

1. Click the Next button to proceed with the installation.

2. Click the Yes button to accept the License Agreement.

3. Click the Yes button to after reading Read Me.

4. Choose the destination folder.

Select a folder by performing one of the following:

a. Click the Next button to accept the default folder.

b. Click on the Browse button to navigate to the desired location.

5. Choose the type of installation.

a. Select “Typical” from the list.

b. Click the Next button.

6. Choose the destination name.

Select a folder by performing one of the following:

a. Click the Next button to accept the default name.

b. Navigate to the desired location

Installing the Sun StorEdge Component Manager

1. Click the **Next** button at the **Welcome Screen** to proceed with the installation.
2. Click the **Yes** button to accept the **License Agreement**.
3. Choose the type of installation.
 - a. Accept the “**Typical**” selection from the list.
 - b. Click the **Next** button.
4. **Start Component Manager.**

At this point, start Component Manager one of the following ways:

- Select “**Don’t Reboot**” and proceed with “**Configuring the `hosts` File**” on page 7, to configure a T300 disk array for monitoring, followed by “**Starting the Sun StorEdge Management Console**” on page 8.

Caution – Selecting reboot will not allow you to configure StorEdge T300 disk arrays without: (1) exiting component manager, (2) “**Manually Stopping the Component Manager Daemons**”, (3) “**Configuring the `hosts` File**”, (4) “**Manually Starting the Component Manager Daemons**”, and (5) “**Starting the Sun StorEdge Management Console**”.

- Click the **Reboot** button.

Configuring the `hosts` File

Note – You must add the IP address and the component name of T300 subsystem to the `\etc\opt\SUNWesm\mo\hosts` file for Component Manager to communicate with a StorEdge T300 disk tray.

- **Use an editor to make an entry in**
`{your_installation_directory}\etc\opt\SUNWesm\mo\hosts`.

The entry format is shown below.

```
# Component Manager 2.0 - Component table
#
# Each component entry is specified by its IP address and name,
#   IP address Name
#   129.150.151.69 cafejapan
#
129.150.82.48 ada48
```

Now you can reboot the system or manually start the managed object station. To start the managed object station see “Manually Starting the Component Manager Daemons” on page 8.

Starting Component Manager

Manually Starting the Component Manager Daemons

The managed object station will automatically start after each reboot or if you wish you can start the managed station with the following procedure. If you have rebooted the system you may now proceed directly to starting the management console. Please see “Starting the Sun StorEdge Management Console” on page 8.

To manually start the managed object station:

1. **Open the Control Panel.**
2. **Double-click on Services.**
3. **Select “ESMService” in the list.**
4. **Click the Start button.**

You are now ready to start the console.

Starting the Sun StorEdge Management Console

After the managed object station has been started, start the console.

- **Open the Menu: Start->Programs->StorEdge->Start Management Console**

Manually Stopping the Component Manager Daemons

To manually stop the managed object station:

1. **Open the Control Panel.**
2. **Double-click on Services.**
3. **Select “ESMService” in the list.**
4. **Click the Stop button.**

Uninstalling the Software

To remove the Sun StorEdge Component Manager software, perform the following:

1. Stop the Component Manager daemon.

See “Manually Stopping the Component Manager Daemons” on page 8.

2. Unload the NT service.

a. Open the Menu and select: Start->Programs->Command Prompt

**b. In the Command Prompt window, change to the
{your_Component_Manager_directory}\usr\opt\SUNWesm\sbin directory as
indicated.**

If you used the default directory, the path would be as follows:

```
C: cd \Program Files\Sun Microsystems\StorEdge\usr\opt\SUNWesm\sbin
```

c. Unload the NT service by entering the following:

```
C: NTService -u
```

3. Open the Menu and select: Start->Settings->Control Panel:

a. Click on Add/Remove Programs.

4. Remove Component Manager.

a. Select “Sun StorEdge Component Manager” from the list.

b. Click the Remove button.

c. Click the Yes button to confirm removal.

d. Click the OK button to acknowledge removal.

5. Remove the Management Console.

a. Select “Sun StorEdge Management Console” from the list.

b. Click the Remove button.

c. Click the Yes button to confirm removal.

d. Click the OK button to acknowledge removal.

6. Remove the Java2 Runtime Environment.
 - a. Select “Java 2 Runtime Environment” from the list.
 - b. Click the Remove button.
 - c. Click the Yes button to confirm removal.
 - d. Click the OK button to acknowledge removal.
7. Remove Cygwin.
 - a. Select “Cygwin B20” from the list.
 - b. Click the Remove button.
 - c. Click the Yes button to confirm removal.
 - d. Click the OK button to acknowledge removal.
8. Exit the Control Panel.

Note – Note the de-installation procedure will remove the `/etc/opt/SUNWesm/mo/hosts` file. See “Configuring the `hosts` File” on page 7.
