Sun™ StorEdge™ A5000
Product Notes

Formerly the Sun™ Enterprise Network Array™
Sun StorEdge A5000
Product Notes

The Sun StorEdge A5000 Product Notes provides product notes for the Sun™ StorEdge™ A5000 disk array. This information includes:

- Supplemental installation notes
- Sun StorEdge A5000 Installation and Service Manual changes
- Data migration

Supplemental Installation Notes

For a complete list of required patches, as well as known bugs, access the “Storage & Peripherals” section of the docs.sun.com™ web site and read the Sun StorEdge A5000 Installation Supplement:

http://docs.sun.com

Patches listed in the Sun StorEdge A5000 Installation Supplement or other documentation can be downloaded from the SunSolve Online™ Public Patch Page Access web site:

http://sunsolve.sun.com/sunsolve/pubpatches/patches.html

Contact your service provider if you cannot access these web sites.
Installation and Service Manual

This section supplements information in the Sun StorEdge A5000 Installation and Service Manual, part number 802-7573.

Handling Fiber Optic Cables

Caution – Follow these guidelines to avoid causing damage to fiber optic cables.

The maximum bend radius for fiber optic cables is 2 inches (5.1 cm). However, a bend radius of not less than 6 inches (15.2 cm) is preferable.

Make sure to grasp the connector when disconnecting a fiber optic cable. Never disconnect a fiber optic cable by pulling on the cable.

To avoid damage due to contamination or abrasion, always put dust covers on the fiber optic cable connectors when the cable is disconnected.

Data Migration

This section describes how to migrate data from SPARCstorage™ arrays to Sun StorEdge A5000 disk arrays. It includes procedures for migrating data using Sun StorEdge Volume Manager™ or Solstice™ DiskSuite™ to new Sun StorEdge Volume Manager software.

Do not perform the procedures in this section unless you are an experienced system administrator or a service-trained maintenance provider.


Note – Sun StorEdge Volume Manager was formerly know as Sun™ Enterprise Volume Manager™.
1. Determine which version of the Solaris™ operating environment you are running.
   Look at the /etc/release file to make sure the operating system installed is at least Solaris 2.5.1 Hardware: 8/97. If your system doesn’t have an /etc/release file, it may not be running Solaris 2.5.1 Hardware: 8/97.

2. Verify the version of Sun StorEdge Volume Manager or Solstice DiskSuite software that you are currently using.
   If your system does not have at least Sun StorEdge Volume Manager 2.4, you must upgrade or install Sun StorEdge Volume Manager later in this procedure.

3. Become superuser and exit the operating system.
   To inform any mounted users that the system will be going down, use the shutdown command. Otherwise, use the init 0 command. See the man pages for these commands or the Solaris AnswerBook™ online documentation.

4. Power off the system.
   Refer to the service documentation that came with your system.

5. Install new host adapters or SBus+ I/O boards.
   Refer to the service documentation that came with your system or peripheral. (The SBus+ I/O board, also referred to as I/O SBus Board with 100 Mbyte/sec Fibre Channels, is available for Sun™ Enterprise™ 6x00, 5x00, 4x00, and 3x00 systems.)

6. Connect the fiber optic cable(s) between the host adapters or SBus+ I/O boards and other devices in the loop(s).
   Refer to the documentation that came with the devices for specific instructions.

7. Power on your peripherals and then your system.

   **Note** – If your system starts to reboot, interrupt the reboot process by pressing the Stop-A keys.

   The system should now be at the ok prompt. If a > prompt is showing, type n to switch to the ok prompt.

8. Reboot your system using the boot -r command.

9. Install or upgrade the Sun StorEdge Volume Manager software, if needed.

10. Install applicable Sun StorEdge Volume Manager software patches.

11. Upgrade the Solaris operating environment, if needed.

12. Install applicable Solaris patches.

13. Check the software installation using the luxadm command.
14. **Set up Sun StorEdge Volume Manager volumes.**
   For systems already using Sun StorEdge Volume Manager software, just add the disks in the StorEdge A5000 array(s). Otherwise, initialize the Sun StorEdge Volume Manager software and then add the disks.

15. **Copy data from the SPARCstorage array(s) to the StorEdge A5000 array(s).**
   If your data is on a volume that can be mirrored, add a new plex to the volume using disks from your new array(s).
   
   For any of the following conditions, use the `dd` command to copy the data from its present location to a new location on the new array(s):
   
   - Data is on a volume that cannot be mirrored, such as a RAID 5 volume.
   - Data is managed by other disk management software, such as Solstice DiskSuite.
   - Data is on disk partitions.
   
   Refer to the Sun StorEdge Volume Manager *System Administrator’s Guide*, man pages, or AnswerBook online documentation for more information.

16. **Detach the old plexes and unconfigure the disk drives to be removed.**
   Refer to the Sun StorEdge Volume Manager *System Administrator’s Guide*.

17. **Become superuser and exit the operating system.**

18. **Power off the system.**
   Refer to the service documentation that came with your system.

19. **Remove any unused SBus I/O boards or FC SBus boards.**

20. **Power on your peripherals and then your system.**

   **Note** – If your system starts to reboot, interrupt the reboot process by pressing the Stop-A keys.

   The system should now be at the `ok` prompt. If a `>` prompt is showing, type `n` to switch to the `ok` prompt.

21. **Reboot your system using the `boot -r` command.**