



Sun StorEdge™ 5310 Cluster Release Notes

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Sun StorEdge 5310 Cluster Release Notes

This document contains important information about the Sun StorEdge 5310 Cluster that was not available at the time the product documentation was published. Read this document so that you are aware of issues or requirements that can impact the installation and operation of the Sun StorEdge 5310 Cluster.

- "System Requirements" on page 1
- "Known Issues" on page 2
- "Release Documentation" on page 5
- "Service Contact Information" on page 5

Important – The system supports only a single administrative login at one time.

System Requirements

The Sun StorEdge 5310 Cluster system ships with the Web Administrator software already installed. You do not need to install any software to manage the Sun StorEdge 5310 Cluster.

To access the Web Administrator management interface, you must have a network-attached computer running one of the following browsers. You must use a Java™ technology-enabled browser with Java Plug-In 1.3.1 (or later).

- Internet Explorer
- Mozilla™
- Netscape Navigator™

Note – To download the latest Java Plug-in software, go to <http://java.com>.

Known Issues

- Mounting of checkpoint volume causes a `pwd` command malfunction if you mount it as follows:
`mount -F nfs se5k:/vol01.chkpnt /z/v1cp (incorrect)`
When mounted as above, the `pwd` command anywhere under `/z/v1cp` incorrectly displays as follows:
/
Workaround: Do not mount any `/vol*.chkpnt` volume itself; instead mount its subdirectories. For example, the following mount command example avoids the problem:
`mount -F nfs se5k:/vol01.chkpnt/cp2 /z/v1cp/cp2 (correct)`
- If the NAS is shut down in a method other than using the Web Administrator, or if the Web Administrator loses contact with the NAS, the browser may hang.
Workaround: Close all instances of the Web Administrator and Web browsers. After the system reboots, reopen a Web browser and relaunch the Java GUI.
- Web Administrator does not indicate read only volumes if there is a LUN failure.
Workaround: You can check the volume status using the Telnet Menu/CLI.

- Scheduled checkpoints per volume are limited to 5, but multiple checkpoints may be specified per schedule. Once an individual volume has 5 scheduled checkpoints, the Edit menu on the Web Administrator does not display the correct volume name. Use the Telnet Menu/CLI to edit the scheduled checkpoints for this volume.

The following is an example:

	Enabled	Description	Days SMTWTFS	Hours AM M1234567890E	Hours PM M1234567890E	Keep Days + Hours
1.	Y	MTWTF5am5pm	-*****-	-----*-----	-----*-----	1 0
2.	Y	SunWed1pm	*--*---	-----	-*-----	0 12
3.	Y	MWFMidnight	-*-*-*	*-----	-----	0 3
4.	Y	Weekend	*-----*	*-----*	*-----*	0 6
5.	Y	FriEvery2hrs	-----*	*-*-*-*-*	*-*-*-*-*	0 2

- With Java Plug-In 1.5, when you log in to the Web Administrator and then log out, further attempts to log back in to the Web Administrator will be unsuccessful.

Workaround: Close the Web Administrator and then reopen it. You will now be able to log in.

- When RAID configuration assignments are made with the Fault Tolerance-Recover option in the Web Administrator, the assignments intermittently do not complete.

Workaround: Use the Web Administrator to re-assign the RAID configuration and click Apply. Alternatively, you can also perform the assignment using the Telnet Menu/CLI.

- Setting the time zone from the Telnet Menu/CLI displays the following message on the Web Administrator:

Current time zone locale not found

Workaround: Ignore this message when using the Telnet Menu/CLI.

- Manual movement of LUNs between heads results in a zero capacity reading. This occurs during initial cluster setup or when adding new trays.

Workaround: Run a manual disk scan from either the Web Administrator or the Telnet Menu/CLI and the head will refresh the LUN capacity.

- When a cluster is in failover mode, if a volume is created from the Alone head on a LUN which is owned by the Quiet head, during the cluster recovery applications accessing that volume might get an EACCESS error.

Workaround: Restart the application once head recovery has completed.

- When a cluster is in a degraded state (for example, one Head is in Alone state and the other Head is in Quiet state), the NFS/CIFS clients can mount filesystems owned by Head1 using Head2's IP address or vice-versa. This can cause the client IO to stop after the cluster is recovered back to Normal state.

Workaround: When mounting the filesystems from the clients, always use Head1's IP address to mount Head1's filesystems and Head2's IP address to mount Head2's filesystems.

- If you add a new tray, you cannot assign ownership of an unowned LUN with the Web Administrator.

Workaround: Perform LUN ownership tasks using the Telnet Menu/CLI.

- Depending on the SE5310C configuration, the number label for the LAN ports on the chassis may not match the OS's logical port number assignments.

Please refer to the *Sun StorEdge 5310 Cluster Setup Instructions - Read This First* document provided with the cluster for the correct numbering. If an extra NIC is present, the IP configuration on the LCD panel might not correspond to the labels on the NAS head.

- The cluster may lose time and get out of sync when under extreme load.

Workaround: NTP should be enabled when using clusters so that time is kept up to date and in sync between cluster nodes. If you find that your times are not up to date, enabling NTP and resetting the time will allow NTP to keep the clocks in sync.

- If you have a disk drive failure, use the log entry to help you identify the specific disk (you can interpret disk locations in both the system log and diagnostic reports the same way). Look at the following log entry example:

Controller 0 enclosure 0 row 0 column 6

To interpret such log entries, keep the following in mind:

- Ignore any channel and target numbers.
- Controller numbering starts at 0. For example, the controllers in the 1st array are 0 (slot A) and 1 (slot B), and the controllers in the 2nd array are 2 and 3.
- Enclosure numbering starts at 0 and is relative to the array to which it belongs. For example, if the 1st array has 2 enclosures they are identified as enclosure 0 and 1.
- Row numbering is always 0 for the Sun StorEdge 5310 Cluster system.
- Column numbering starts at 0 and specifies the slot number in the enclosure.
- Thus, you can interpret the example as indicating slot 7 of the 1st enclosure in the 1st array.

Note – There is no standard way to identify which array is the 1st one and which is the 2nd one. Typically, the 1st HBA port is connected to the 1st array, the 2nd HBA port is connected to the 2nd array, and so on.

Release Documentation

The following documentation is included with this release:

Sun StorEdge 5310 Cluster Setup Instructions - Read This First

The remaining documentation is posted on the documentation Web site at:

http://www.sun.com/hwdocs/Network_Storage_Solutions/nas

The remaining documentation includes:

Sun StorEdge 5310 NAS Appliance Quick Reference Manual

Sun StorEdge 5310 NAS Appliance Hardware Installation, Configuration, and User Guide

Sun StorEdge 5310 NAS Appliance Software Installation, Configuration, and User Guide

Sun StorEdge 5310 NAS Appliance Safety and Compliance Guide

Sun StorEdge 5300 RAID Expansion Unit and Sun StorEdge 5300 Expansion Unit Safety and Compliance Guide

Service Contact Information

If you need help installing or using this product, call 1-800-USA-4SUN, or go to:

<http://www.sun.com/service/contacting/index.html>

