



Sun StorEdge™ 5210 NAS Release Notes

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Sun StorEdge 5210 NAS Release Notes

This document contains important information about the Sun StorEdge™ 5210 NAS 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 5210 NAS.

- “System Requirements” on page 1
- “Issues Resolved in This Release” on page 2
- “Known Issues” on page 2
- “Addenda to the Documentation” on page 5
- “Release Documentation” on page 6
- “Service Contact Information” on page 6

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

System Requirements

The Sun StorEdge 5210 NAS system ships with the Web Administrator software already installed. You do not need to install any software to manage the Sun StorEdge 5210 NAS.

To access the Web Administrator management interface, you must have a network-attached computer running one of the following browsers. The browser must be enabled with Java™ Plug-in 1.3.1 software (at minimum).

- Internet Explorer
- Mozilla™
- Netscape Navigator™

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

Issues Resolved in This Release

- The LCD panel display is blank for about 40 seconds during system boot.
- Using the “Dave” program with the Macintosh to access a checkpoint volume share through the Macintosh SMB client no longer causes the system to reboot.
- Disruption of the management connection between the management application when using Java Plug-in software and the Sun StorEdge 5210 NAS no longer causes all browser windows to close.

Known Issues

- This release introduces the ability to authenticate NFS users using a network LDAP server. For this release, you may enable this service by entering the command "load NSSldap" at the command line interface, using Telnet or a Secure Shell. In future software versions, this service will be loaded by default.
- If you remove a drive and reinsert it, it reports as "failed."
Workaround: Add the drive as a Hot Spare and then remove that Hot Spare.
- LDAP does not load automatically.
Workaround: Ensure that LDAP server is already up and running and do the following:
 - a. **Login to the NAS box admin terminal and load LDAP. (Send the command "load NSSldap").**

b. Go to the menu options and select NSSldap services. Edit the parameters in that option as follows:

LDAP Directory Information Services

Enable yes

Ldap Domain <domain name of the LDAP server> e.g.: foo.com

Server <Ip address of the LDAP server> e.g.: 129.148.192.63

Bind passwd <Passwd set in LDAP server> e.g.: proxyagent

Proxy Domain proxyagent, ou=profile, dc=foo, dc=com (Depends on your server settings)

c. Return to the menu and open the NS Lookup order option.

User LOCAL LDAP

Group LOCAL LDAP

Host LOCAL LDAP DNS

Network group LDAP

- When a system is creating or rebuilding RAID sets, wait until those operations are complete and the NAS system has returned to normal operating mode before updating the OS or RAID firmware.
- To maximize responsiveness, the Sun StorEdge 5210 NAS system responds to file deletion requests immediately, marking the affected file as removed and making it inaccessible to further access. It then schedules the recovery of the storage used by the deleted file as a background task. This has the incidental effect of causing freed storage space to not appear immediately. Under conditions of heavy use, the available storage capacity might continue to increase over a number of minutes following the deletion of a large number of files.

This delay might impact some benchmark or test programs that perform large numbers of file creations and deletions in a short time.
- When you first configure the Sun StorEdge 5210 NAS, a temporary log file is created in system memory to document operational changes. This is a volatile file and is deleted on power failure or shut down. As part of the Setup Wizard, you are given the opportunity to create a nonvolatile log file on a local file system volume or to redirect the log file to a network syslogd service.

Workaround: To avoid losing the log file, create a local log file or select a syslogd server.
- If no network address is assigned, the Sun StorEdge 5210 NAS will attempt to obtain an IP address using DHCP on each attached network. You can wait for DHCP to time out, or you can press any key on the LCD key pad to terminate this operation and enter an address immediately.

- NFS configuration using NIS requires the discovery of all the hosts in the network. This can take considerable time in a large network (for example, 30 minutes for 30,000 hosts). This might cause the GUI display to become unresponsive when first accessing certain NFS configuration pages.
- After any drive removal (for example, in the case of drive failure), wait at least 30 seconds before inserting any drive back into that disk slot. The RAID controller has a known limitation in recognizing drive removals and insertions.
- The GUI will mark any drive removals which cause a RAID 5 set to go into “critical” mode as failed. The drive slot will show it as failed, even if a new drive is inserted.

Workaround: To remove the “failed” status on a drive slot, add it as a hot-spare and then remove it as a hot-spare (if it is not intended to be used as a hot-spare).

- The RJ-45 to DB9 cable included in the box with the system is used to connect the Sun StorEdge 5210 NAS to a UPS.
- Import does not support adding preconfigured drives, such as adding a preconfigured JBOD to a NAS head. Import is the RAID board’s method of looking at the configuration recorded on the drives to ensure consistency. If you add preconfigured drives, there will be a mismatch and the board will not allow the system to come up.

Workaround: Add storage using unformatted drives.

- LUNs must be removed in the reverse order in which they were created, that is, most recent first.

Addenda to the Documentation

This section includes information that is additional to or overrides information in the documentation.

Manual IP Address Configuration

To avoid waiting for DHCP discovery during the boot sequence, press any key on the LCD panel and confirm the “Abort DHCP?” message by pressing the right arrow key on the panel. Then you can manually set the static IP address.

Default Volume Configuration

The six drives in the Sun StorEdge 5210 NAS are configured as follows:

- One 5-disk RAID 5 set
- One global hot-spare

This configuration takes into account the time to back up, the time to rebuild a RAID 5 set, and the need for a global hot-spare should disk failure occur.

The recommended configuration for the Sun StorEdge 5210 Expansion Unit, which can contain up to 12 drives, is as follows:

- One 6-disk RAID 5 set
- One 5-disk RAID 5 set
- One global hot-spare

This configuration balances the size of the volume against the time to recover/rebuild and the chances of more than a single disk failure occurring during that rebuild time.

Single Login to Web Administrator

The system supports only one login to the Web Administrator at a time. If a second administrator logs in, the first session will be terminated.

Release Documentation

The following documentation is included with this release:

Setting Up the Sun StorEdge 5210 NAS (setup poster)

On the documentation CD:

Sun StorEdge 5210 NAS Quick Reference Manual

Sun StorEdge 5210 NAS Hardware Installation, Configuration, and User Guide

Sun StorEdge 5210 NAS Software Installation, Configuration, and User Guide

Sun StorEdge 5210 NAS Safety and Compliance Guide

Sun StorEdge 5210 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>