

NSS6000 Firmware Release Note

Version: 1.12

Date: 12/20/2007

Filename: NSS6000_fwupgrade_0112.tar.gz

Note: after downloading firmware file, use as is, i.e., do not unzip the "xxxxxxx.tar.gz" file format.

To upgrade: go to NSS6000 menu "Admin -> Maintenance" to upgrade firmware. (Upgrade and reboot may take up to 10-15 minutes.)

Repeat the upgrade step above, so the backup firmware image is updated.

Note: if you are moving drives between two NSS6000, make sure both units are on the latest firmware and configurations are saved on USB memory sticks.

Release 1.12 Fixes

1. GUI becomes inaccessible after hours of uptime
2. System may spontaneously reboot when maximal number of CIFS and FTP connections are active and GUI is simultaneously accessed
3. Extraneous messages printed to CIFS filesharing log
4. Same file cannot be opened simultaneously by two MS Office applications
5. Setting hostname to be obtained via DHCP causes CIFS access to not function
6. Home directories of users created while running firmware versions prior to 1.10 can be browsed by other users via FTP
7. Manually starting a degraded array that has been stopped by DMM can result in volumes located on the array not being mounted
8. Configured WINS addresses not displayed in GUI
9. Creating a user with the same name as a share (or vice versa) causes user's home directory to become inaccessible via CIFS
10. Reverting HTTP port setting back to 80 sometimes fails
11. Various problems with special characters in GUI fields
12. Various problems with special characters in domain name, domain usernames and domain groupnames
13. Domain name length restricted to only 15 characters
14. Domain not rejoined if domain info updated

15. RAID name missing from some RAID alert/trap messages
16. Local groups can be created with names that do not begin with a letter. Such groups cannot access shares.
17. Cannot lock encrypted volumes acting as log storage
18. No error message issued if more than supported number of users/groups granted share access
19. Some settings not preserved by config save
20. NTP server configuration reverts to defaults after firmware upgrade
21. Cable faults not displayed correctly on cable diagnostics page
22. Backup compression option shown in wrong place on backup page
23. Degraded mode management leaves RAID running but shares disabled
24. Clearing all users or groups from read-write permission box on share page does not take effect
25. NIS users cannot be added to local groups
26. Firmware upgrade progress indication has been simplified
27. Domain users (Windows and NIS) now have home directories
28. All storage fields in GUI now feature a units (KB, MB, GB, TB) dropdown list
29. Email alerts added
30. RPSU state change alert added
31. Added GUI setting for FTP default file privileges (global setting)
32. Added GUI setting for ability of users to delete files created by other users for folders created via FTP (global setting)

Fixes for Version 1.11-4:

1. Updated to properly advertise to the Services Routers.
2. Greater tolerance to a secondary issue with internal USB flash controller.

Fixes for Version 1.11-3:

1. Allows the use of an external USB memory stick for the recovery bootloader if system gets a red "system" LED and cannot be rebooted.

Fixes for Version 1.11:

1. Workaround for Promise SATA controller hardware issue implemented. Systems exhibiting the issue now reliably detect SATA hard drives on boot and hotplug.
2. Resolved NAS system reboot loop
3. Removed erroneous "mdX" entry that appeared after RAID failure
4. Locked volumes now appear in volume count on System > Status page
5. Admin password can now be changed when HTTP/HTTPS WAN access is disabled
6. Users with usernames containing '\$' can now be granted access to shares
7. Creation of local users with names that are the same as existing groups (and vice versa) are explicitly prevented
8. System no longer hangs if joined to an ADS domain when time differs more than 5 minutes from domain controller
9. When virtualized storage is unexported, the currently imported storage table on the importing system is now automatically updated
10. Help file broken links have been fixed

Fixes for Version 1.10:

1. Improved reliability of SNMP trap transmission
2. Improved system stability following failure of JBOD and RAID10 arrays
3. Improved 802.3ad Link Aggregation networking mode (failover functionality, reduced time to acquire DHCP address)x
4. Restrict ability for users to browse other user directories using FTP
5. Added configurable setting to allow users to delete and rename files and folders owned by other users
6. Various GUI elements corrected

Known Issues:

1. Folders created via FTP do not have file permissions "sticky" bit set

Description -

Folders created within a share via the FTP protocol do not have the file permissions "sticky" bit set, regardless of the setting of the "Allow users to delete and rename other users' files and folders" checkbox for the share. This means that all files and subfolders created within such folders can be deleted or renamed by users other than the owner.

Workaround -

To force the sticky bit to be set on folders created via FTP, first set the "Allow users to delete and rename other users' files and folders" checkbox on the share edit page, submit the page then clear the checkbox and resubmit the page. This will ensure that all folders within the share have the sticky bit set. This must be done each time a new folder is created via FTP.

2. System performance may degrade if DNS configuration is invalid

Description -

If the NAS is configured to point to a DNS server that is invalid or unavailable, system performance may degrade.

Workaround -

Do not configure the NAS for an invalid DNS server.