

# SNAZ OS v4.00

## Product Release Notes

### Release Details

<b>Release Name:</b>	<b>SNAZ 4.00</b>
<b>Release Note Number:</b>	<b>RNote109</b>
<b>Release Version:</b>	<b>4.00.35</b>
<b>Release Date:</b>	10th May 2006
<b>Release Type:</b>	Maintenance
<b>Supported Platforms:</b>	<b>SNAZ-S4-350, SNAZ-S8-350</b>
<b>Documentation Versions:</b>	Quick Start – 97707758 Rev A User Guide - 97707987 Rev A SNAZ Addendum
<b>Release Summary:</b>	<b>2006 SNAZ OS v4.00 Maintenance Release</b>
<b>Build Number</b>	6044

### Product Enhancements and Bug Fixes

<b>New Feature / Enhancement:</b>	<b>Description/Benefit:</b>
2TB RAID-5	A RAID 5 can now be created with a 2TB usable size rather than a 2TB total size.
eth0 remains enabled if there is no DHCP Server	If DHCP is enabled but no DHCP server is available, eth0 is now left enabled and assigned a default IP address (see below)
Automatic Private IP Addressing	If DHCP is enabled but no DHCP server is available, eth0 will be assigned a Private IP address (169.254.x.xx) where x.xx are the last 3 digits of the SNAZ box's system-id number. If the system-id is not valid or unobtainable for any reason, a default address (169.254.250.250) is used instead.
Support for CS Devices Added	SNAZ now recognises RAID's in attached CS devices as being usable disks.
Maxtor 250GB (6V250F0)	SNAZ OS 4.00 can now use this disk model
Maxtor 250GB (7L250S00565RA)	SNAZ OS 4.00 can now use this disk model
Hitachi 250GB (HDT22525DLA380)	SNAZ OS 4.00 can now use this disk model
Serial Console Baud Rate	SNAZ OS 4.00 now uses the higher 115200 baud rate for communication via the serial console.
RAID-1 Chunk Size	SNAZ OS 4.00 no longer asks for a chunk size when creating a RAID-1 RAID and no longer displays information about the chunk size in the details page a RAID-1 RAID, this is because RAID-1 does not have a concept of chunks.
Snapshot Rollbacks (7530)	SNAZ OS 4.00 no longer overwrites snapshotted files with source files when running a rollback.
Patch Level Indication (7505)	SNAZ OS 4.00 now records the patch level in the



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	version number string
v3-v4 Upgrade (7478)	SNAZ OS 4.00 now contains the code to upgrade v3 to v4. Not yet ready for customer use.
Temperature Sensors Corrected (7630)	SNAZ OS 4.00 now uses the correct temperature sensor readings to send alert.
Netvault Hostname (7567)	SNAZ OS 4.00 now uses the system-id as the basis for the Netvault Hostname.
Console Set Admin Password (7700)	SNAZ OS 4.00 can now allow login to Maintenance Mode when the admin password is set via the console.
Username Substring Error (7701)	SNAZ OS 4.00.31 had an issue where users names that had identical trailing characters could not be added (for example, 'abcd' would prevent a new user named 'bcd' from being added). This build corrects that issue.
Extra Log Bunble Information (7717)	Log Bundles now include ps and OS Version information.
FTP Software Update Catches Spaces (7729)	SNAZ OS 4.00 now catches spaces in FTP download path/file when attempting an OS Update and will report an error message.
Failed DHCP does not disable eth0 (7751)	SNAZ OS 4.00 no longer disabled eth0 when DHCP is set but no DHCP can be found.
Extra e1000 Network Adapter	SNAZ OS 4.00 can now support a second dual NIC Network cadr giving a maximum of 4 ethernet ports available for attaching to a single subnet

## Product Capabilities

### Known Issues and Product Notes

Capabilities	Details:
2TB	SNAZ v4 supports Logical Volumes up to 2TB. Multiple 2TB volumes are supported. Extended addressing to support volumes up to 16TB will be released in a future enhancement.
RAID Support	RAID-5 is default factory installed configuration with RAID-0 and RAID-1 available for field configuration. RAID-10 is supported for legacy systems only.
Max number of Shares	Combination of up to 40 NFS, CIFS/SMB, FTP shares. Folders may only be shared once.
Max number of concurrent connections	NFS and/or CIFS up to total of 200 concurrent connections.
Max Active-Directory User population	10,000 users
Max Local SNAZ-managed User population	1,000 users
Max number of groups	100 groups
Max number of file system objects	Verified up to 100 million objects
Max file size	Verified up to 10GB files.



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<b>Known Issues:</b>	<b>Details and Workaround:</b>
SNAZ Manager Dropdown Lists Tool Tips may be partially hidden behind other elements	When using IE6 to access certain SNAZ Manager screens, a very small number of Drop-down-lists and Tool Tips may be partially hidden behind other elements of the GUI page. This is a recognised MS Internet Explorer limitation/bug. We anticipate that this will probably be resolved in the next major release of Microsoft Internet Explorer. It does not occur in other browsers such as Firefox.
NFS Access is slow from Windows	Although UNIX / Linux files in a NFS share may be accessed by Windows clients, the access is at a modest speed. This is primarily constrained by the slow speed of the client's Windows Services for Unix (SFU) rather than the NAS system. We recommend that Windows file sharing is primarily provided by CIFS /SMB shares to achieve maximum speed.
NFS Share name in Windows XP	A feature Windows Services for Unix (SFU) is to display the SNAZ Machine Name as a Share name when connecting to NFS Shares.
No Access to Child Domain Users	To access a user list from a different domain, the other domain must have the Restrict Anonymous setting turned off.  Find the registry key HKLM\SYSTEM\CurrentControlSet\Control\Lsa  Add the following DWORD key RestrictAnonymous and set it to 0  Search for "Restrict Anonymous" on the Microsoft website for more information about this registry setting.
Unable to delete failed independent RAIDs	Each disk drive in a RAID contains information about the RAID. If a disk is taken "off-line" for any reason, and while the disk is "off-line" you delete the RAID, the information about the RAID still remains on the disk(s) that were off-line at the time of the deletion. If those disk(s) then come back "on-line", then the RAID information they still contain is shown as independent RAIDs. These RAIDs can be removed by clicking the delete button on the RAID's details screen for each RAID.
BakBone NetVault Version Conflict	TheNetVault version 7.4 currently available on BakBone website is not compatible with the version 7.1 shipped with SNAZ. When installing the NetVault Management GUI, please use the installer found on the SNAZ OS v4.00 Software and User Documentation CD.
NetVault Database	The NetVault database is pre-allocated 1.5GB. Based on running a daily backup of 100,000 files and 2,000 directories, the DB could be 2-3GB after 12 months..  It is therefore important to specify a limited Backup Life so that the NetVault DB is kept to a manageable size. If the database runs out of space then backups will fail to run.  If the NetVault Database does need to grow beyond 1.5GB, then the DB can be moved to a larger location. Contact Plasmon Support for further information about how to make this re-location → Email support@plasmon.co.uk.
Back-up of ACL's	NetVault does not currently support the backup of file system ACLs. The Administrator is required to reset the ACLs on restored files



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## Supported Hardware

Hardware	Description
<b>SNAZ Systems</b>	SNAZ S4-350 and SNAZ 8-350 – factory installed
	Field upgrade for field SNAZ units such as S4 and S8 with OS v3.1 is not available at this time.
<b>SNAZ Motherboard</b>	SuperMicro motherboard with Xeon 2.4MHz and at least 512MB cache
<b>Flash Drive required for OS</b>	SimpleTech 128MB IDE Flash Drive
<b>Disk Drive Controllers</b>	
SATA Controller	Marvell Technology Group SATA I and SATA II PCI-x disk drive controllers
<b>SCSI controllers</b>	
On-board SCSI connection for Tape	Adaptec U320
Expansion unit's SCSI HBA	LSI Logic LSI-U320 SCSI PCI-x host bus adapter
<b>Supported Disk Drives at Release</b>	<b>Vendor Model</b>
250GB Hitachi SATA	HDS722525VLSA80
250GB Hitachi SATA	HDT22525DLA380
250GB Maxtor SATA	6V250F0
250GB Maxtor SATA	7Y250M0
250GB Maxtor SATA	7L250S00565RA
400GB Hitachi SATA	HDS724040KLSA80
400GB Seagate SATA	ST3400832AS
500GB Hitachi SATA	HDS725050KLA360
500GB Seagate SATA	ST3500641AS

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