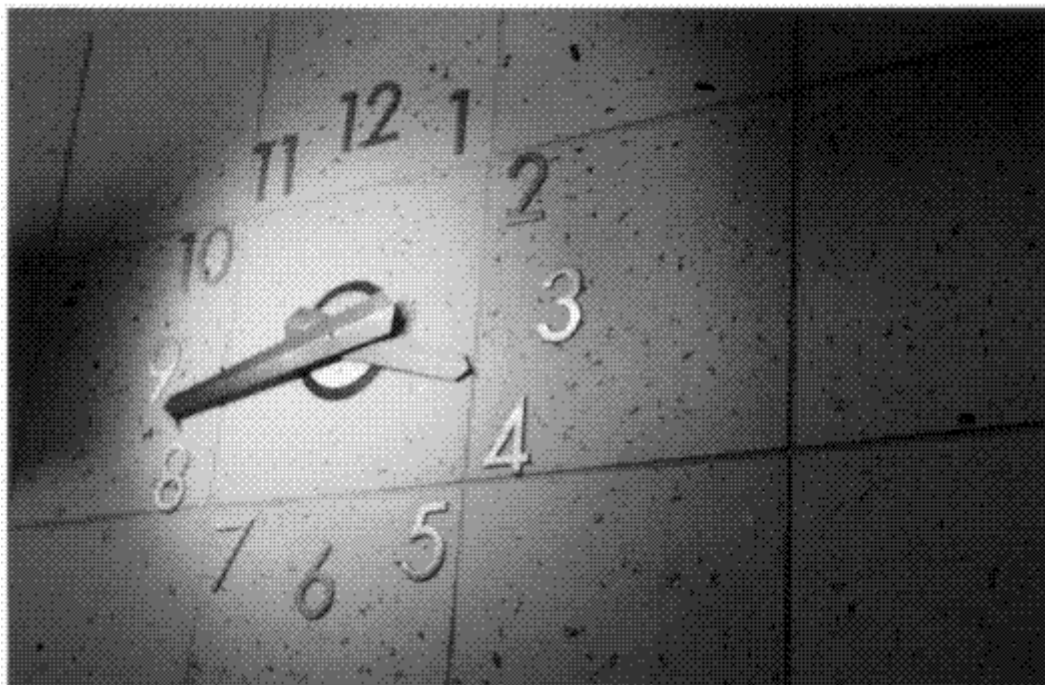




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STORAGE AVAILABILITY AUDIT



Prepared for:

Customer Name: Citigroup PL

Date: 23-Mar-2010

Prepared by:

Contact: Myles Hook, Storage Optimisation Consultant

E-mail Address: myles.hook@netapp.com

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EXECUTIVE SUMMARY

This Storage Availability Audit was conducted by NetApp Authorized Services Engineer, Myles Hook, myles.hook@netapp.com, for Citigroup PL. NetApp storage audit and assessment is part of the proactive strategy that provides comprehensive inspections and evaluations of your storage infrastructure, growth requirements, and trends. The results of these reports help your storage management team to leverage and expand existing resources, minimize reactive efforts, and prioritize future storage investments.

Integral to the analysis of environmental and operational statistics for the Storage Availability Audit report is the AutoSupport feature of the NetApp Data ONTAP operating system. AutoSupport is an integrated monitoring feature that constantly provides operational, environmental, and configuration information and status on your storage systems.

At a Glance

Systems Inventory

Component	Count
Filer	4
NearStore	0
NetApp VTL	0
V-Series	0
NetCache	0
DataFort	0

Capacity Summary

Systems Summary	TB
Total Useable	15.08
Total Available	4.75
Total Used	10.33
Percent Available	32%
Percent Used	68%

Down Rev Components

Component	System Count
Motherboard	4
Shelf	0
Disk	0
O/S	4

RMA Summary

Status	Count
Returns Received	0
Returns Outstanding	0

Service Contracts Summary

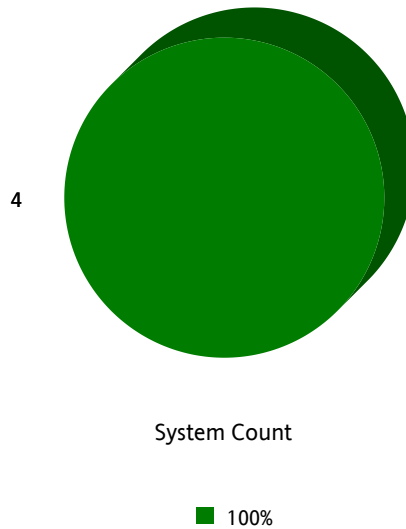
Status	Count
Cancelled	1
Open	4

Unique System Messages

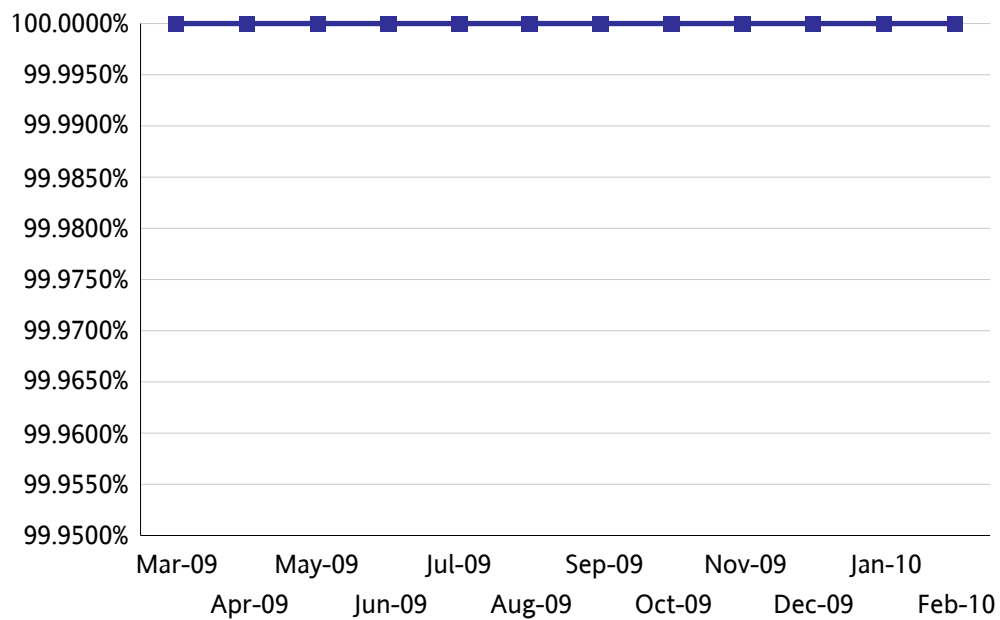
Type	Count
Recommend	4
Notice	4
Warning	4

Data Availability Summary

Current Data Availability



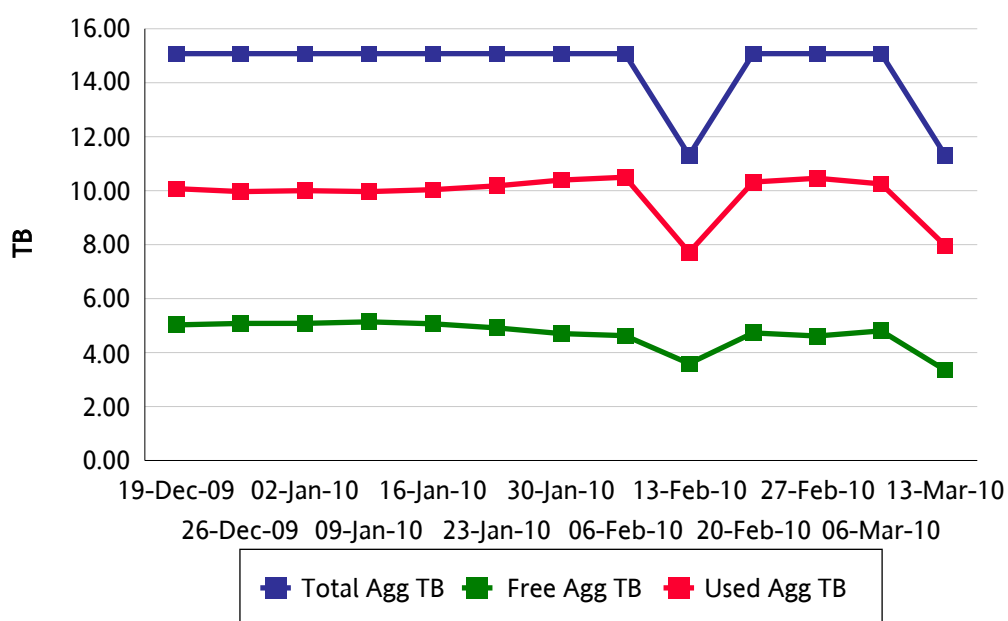
Data Availability Trends



Capacity Summary

Utilization	Systems Count	Host Name	Serial Number	% Used
50-75%	4	wswctinas201a	20004838	75%
		wswctinas201b	20004839	72%
		wswctinas202a	20004840	64%
		wswctinas202b	20004841	63%

Total Systems Capacity Trends



Technical Support Cases

Open Case Count

	P2	Total
Apr-09	1	1

Closed Case Count

	P2	Total
Jun-09	1	1

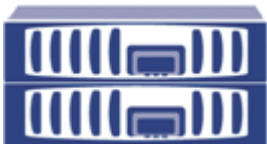
Total Days to Resolution

	P2	Total
Jun-09	59	59

TECHNICAL SUMMARY

Storage Availability Audits are a valuable NetApp service to maintain a robust and secure storage environment. Gain insight and control to reduce unexpected downtime, proactively address potential issues, and ensure you are leveraging NetApp best practices. Storage Availability Audits are comprehensive custom reports that convey the status of your entire NetApp storage environment.

System Summary for systems sending AutoSupport

Product	Platform	Host Name	Serial Number	Useable TB
 FILER	FAS3040	wswctinas201a	20004838	3.77
	FAS3040	wswctinas201b	20004839	3.77
	FAS3040	wswctinas202a	20004840	3.77
	FAS3040	wswctinas202b	20004841	3.77
	FILER			15.08

System Summary for systems not sending AutoSupport

There are no systems in this section

Action Points

Summary of Alerts

Component	Warning	Recommend	Notice
System	5	4	8
Disk	0	0	0
Volume	0	0	5
Aggregate	0	0	0
Interface	0	0	0
Host Bus Adapter(HBA)	0	0	0

System Uptime

Systems Uptime Summary: Last 12 months

	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10
Total Downtime (min.)	0	0	0	0	0	0	0	0	0	0	0	0
Total System Outages	0	0	0	0	0	0	0	0	0	0	0	0

Systems Uptime Summary: Last 3 months

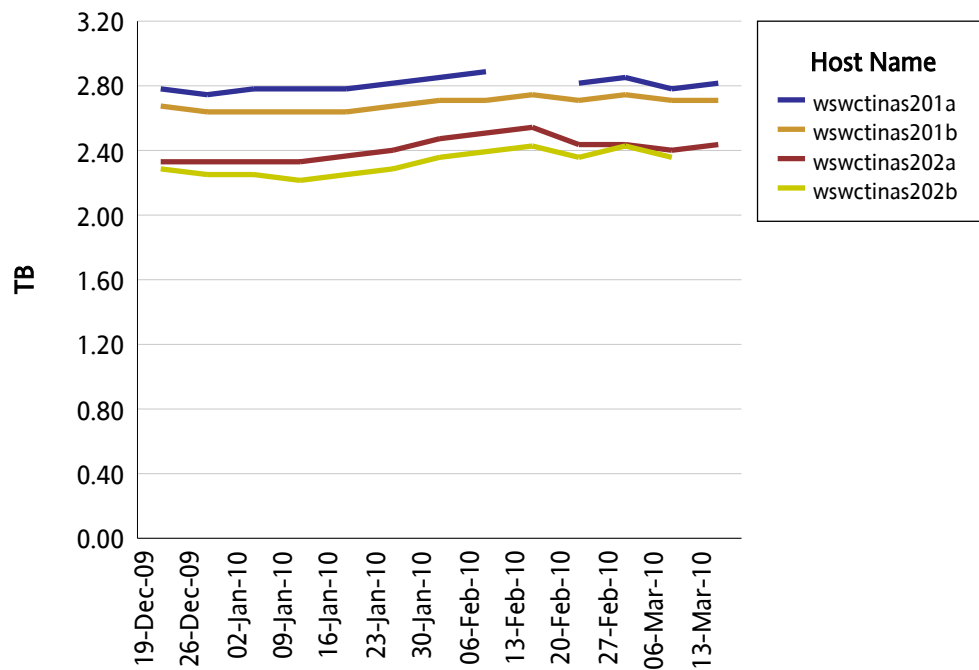
Host Name	Serial Number	Fiscal Month	Total Downtime	Total Count
WSWCTINAS201A	20004838	01-Dec-2009	0	0
		01-Jan-2010	0	0
		01-Feb-2010	0	0
WSWCTINAS201B	20004839	01-Dec-2009	0	0
		01-Jan-2010	0	0
		01-Feb-2010	0	0
WSWCTINAS202A	20004840	01-Dec-2009	0	0
		01-Jan-2010	0	0
		01-Feb-2010	0	0
WSWCTINAS202B	20004841	01-Dec-2009	0	0
		01-Jan-2010	0	0
		01-Feb-2010	0	0

Systems Uptime since last reboot

Host Name	Serial Number	System Uptime	Reported On
wswctinas201a	20004838	287 days, 1:29	14-Mar-2010 12:03:00 AM
wswctinas201b	20004839	287 days, 57 mins	14-Mar-2010 12:03:00 AM
wswctinas202a	20004840	287 days, 1:37	14-Mar-2010 12:03:00 AM
wswctinas202b	20004841	280 days, 1:31	07-Mar-2010 12:03:00 AM

System Capacity

Storage Capacity Trends - Top 10 Systems



O/S and Firmware Summary

Data ONTAP

Host Name	Serial Number	Current O/S Version	Latest O/S Version
wswtinas201a	20004838	7.2.5.1P6D15	7.3.2
wswtinas201b	20004839	7.2.5.1P6D15	7.3.2
wswtinas202a	20004840	7.2.5.1P6D15	7.3.2
wswtinas202b	20004841	7.2.5.1P6D15	7.3.2

Motherboard Firmware

Host Name	Serial Number	Current Firmware	Latest Firmware	Up to Date
wswtinas201a	20004838	2.1.0	2.4.0	
wswtinas201b	20004839	2.1.0	2.4.0	
wswtinas202a	20004840	2.1.0	2.4.0	
wswtinas202b	20004841	2.1.0	2.4.0	

Shelf Firmware

Host Name	Serial Number	Shelf Count	Shelf Type	Shelf Module Type	Current Firmware	Latest Firmware	Up to Date
wswtinas201a	20004838	2	DS14-Mk4-FC	ESH4	13	13	
wswtinas201b	20004839	2	DS14-Mk4-FC	ESH4	13	13	
wswtinas202a	20004840	2	DS14-Mk4-FC	ESH4	13	13	
wswtinas202b	20004841	2	DS14-Mk4-FC	ESH4	13	13	

Disk Firmware

Host Name	Serial Number	Disk Count	Disk Model	Current Firmware	Latest Firmware	Up to Date
wswtinas201a	20004838	26	X276_FAL9E288F10	NA05	NA05	
		2	X276_S10K7288F10	NA07	NA07	
wswtinas201b	20004839	28	X276_FAL9E288F10	NA05	NA05	
wswtinas202a	20004840	28	X276_FAL9E288F10	NA05	NA05	
wswtinas202b	20004841	28	X276_FAL9E288F10	NA05	NA05	

RMA Details

No RMA details found

REPORTING DETAILS

Storage Availability Audits assist you in obtaining the best possible performance and availability from your storage environment. The detailed data provided in this section of the NetApp Storage Availability Audit report helps you invest in optimally sized technologies and confidently pursue new business strategies.

Summary of Recommendations

System Level Recommendations

Type: Warning		
Host Name	Serial Number	Recommendation
wswctinas202a	20004840	A Check Condition is the mechanism a target device uses to report an informational condition or error status to the requesting host. The condition that generated this event is an error that occurred during execution of the command and was not cleared by retrying the request, if retries were attempted. This check condition case is an error, which may be caused by an intermittent error in device hardware or a flaw in the tape media. Media errors may also suggest that the tape drive head should be cleaned following the manufacturer's directions. In cases of repeated events, evaluate the device for proper operation and possible repair or replacement. Consult vendor documentation for additional information. http://now.netapp.com/eservice/SamAuditServlet?cid=475ae0da109903b58de0c7ced8090006
wswctinas201a	20004838	Newer motherboard firmware is available for this appliance. Currently installed firmware revision is 2.1.0. Latest available firmware revision is 2.4.0 Consult the System Firmware documentation on NOW for download and installation instructions. http://now.netapp.com/NOW/tools/releasetable.shtml
wswctinas201b	20004839	
wswctinas202a	20004840	
wswctinas202b	20004841	
Type: Recommend		
wswctinas201a	20004838	Newer General Deployment release is available for this appliance. Consult the System Firmware documentation on NOW for download and installation instructions. http://now.netapp.com/NOW/cgi-bin/software
wswctinas201b	20004839	
wswctinas202a	20004840	
wswctinas202b	20004841	
Type: Notice		
wswctinas201a	20004838	Depending on the number of disks installed and their current firmware revision as compared to the firmware contained in the OS being installed, the disk firmware upgrade process can slow down the boot process to the point that it might briefly disrupt data service. Ensure the disks installed in this system are on the same firmware revision or later than what is contained in the destination OS prior to OS upgrade. http://now.netapp.com/eservice/SamAuditServlet?cid=bb310479efa10d32fafba68719e19674
wswctinas201b	20004839	
wswctinas202a	20004840	
wswctinas202b	20004841	
wswctinas201a	20004838	The recommended virus scanner timeout setting is 10 seconds. The option setting on this system is above 12 seconds. The vscan timeout setting determines how long a filer will wait before querying a vscan server for response to the virus scanning request. If this value is set too high it can delay recovery from virus scan server side issues. Please use the "vscan options timeout set" command to adjust the timeout value to 10 seconds.
wswctinas201b	20004839	
wswctinas202a	20004840	
wswctinas202b	20004841	

Disk Level Recommendations

There are no Disk level recommendations found.

Volume Recommendation Level

Type: Notice

Host Name	Serial Number	Volume Name	Recommendation
wswtctinas201a	20004838	wsww05	Snapshot usage on this volume exceeds 80% of the allotted capacity. Snapshot capacity should be monitored closely to ensure that enough space is set aside for snapshots. Increase the amount of space reserved for snapshots using the "snap reserve" command.
wswtctinas201b	20004839	wsww05	
wswtctinas202a	20004840	wsww05	
wswtctinas202b	20004841	wsww04	
		wsww05	

There are no Aggregate level recommendations found.

There are no HBA level recommendations found.

There are no Interface level recommendations found.

Active Open Cases

There are no open cases found.

Case History: Last 3 Months

There is no case history for the past three months.

Service Contracts

Host Name, Serial Number	Contract Status	Contract Number	Contract Type	Service Name	Service Level	Service End date	Active
WSWCTINAS201A 20004838	Cancelled	90614602	NetApp ASP Contract	Disk Support	4hr Parts Replace	30-Apr-2012	☒
				Field Support Services	4hr Parts Replace	30-Apr-2012	☒
				Hardware Services	4hr Parts Replace	30-Apr-2012	☒
				SW Application Sanitizer		30-Apr-2012	☒
				SW Application SnapVault Secondary		30-Apr-2012	☒
				SW Protocol CIFS		30-Apr-2012	☒
				SW Protocol Cluster		30-Apr-2012	☒
				SW Protocol Flexclone		30-Apr-2012	☒
				SW Protocol MultiStore		30-Apr-2012	☒
				SW Protocol NFS		30-Apr-2012	☒
				SW Protocol SnapLock Compliance		30-Apr-2012	☒
				SW Protocol iSCSI		30-Apr-2012	☒
				SnapMirror		30-Apr-2012	☒
				SnapRestore		30-Apr-2012	☒
	Open	10398132	NetApp SP Contract	Disk Support	4hr Parts Replace	30-Apr-2012	☒

Service Contracts

Host Name, Serial Number	Contract Status	Contract Number	Contract Type	Service Name	Service Level	Service End date	Active
WSWCTINAS201A 20004838	Open	10398132	NetApp SP Contract	Field Support Services	4hr Parts Replace	30-Apr-2012	☒
				Hardware Services	4hr Parts Replace	30-Apr-2012	☒
				SW Application Sanitizer		30-Apr-2012	☒
				SW Application SnapVault Secondary		30-Apr-2012	☒
				SW Protocol CIFS		30-Apr-2012	☒
				SW Protocol Cluster		30-Apr-2012	☒
				SW Protocol Flexclone		30-Apr-2012	☒
				SW Protocol MultiStore		30-Apr-2012	☒
				SW Protocol NFS		30-Apr-2012	☒
				SW Protocol SnapLock Compliance		30-Apr-2012	☒
				SW Protocol iSCSI		30-Apr-2012	☒
				SnapMirror		30-Apr-2012	☒
				SnapRestore		30-Apr-2012	☒
		10556363	NetApp Standard Contract	SSP All SW		31-May-2012	☒
WSWCTINAS201B 20004839	Open	10556363	NetApp Standard Contract	SSP All SW		31-May-2012	☒
		90614604	NetApp ASP Contract	Disk Support	4hr Parts Replace	30-Apr-2012	☒
				Field Support Services	4hr Parts Replace	30-Apr-2012	☒
				Hardware Services	4hr Parts Replace	30-Apr-2012	☒
				SW Application Sanitizer		30-Apr-2012	☒
				SW Application SnapVault Secondary		30-Apr-2012	☒
				SW Protocol CIFS		30-Apr-2012	☒
				SW Protocol Cluster		30-Apr-2012	☒
				SW Protocol Flexclone		30-Apr-2012	☒
				SW Protocol MultiStore		30-Apr-2012	☒
				SW Protocol NFS		30-Apr-2012	☒
				SW Protocol SnapLock Compliance		30-Apr-2012	☒

Service Contracts

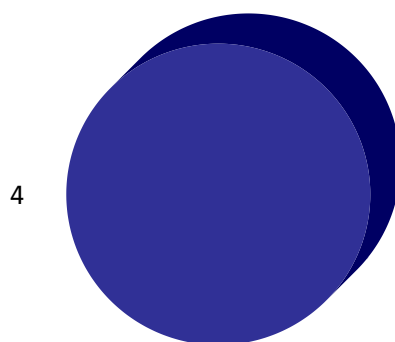
Host Name, Serial Number	Contract Status	Contract Number	Contract Type	Service Name	Service Level	Service End date	Active
WSWCTINAS201B 20004839	Open	90614604	NetApp ASP Contract	SW Protocol iSCSI		30-Apr-2012	☒
				SnapMirror		30-Apr-2012	☒
				SnapRestore		30-Apr-2012	☒
WSWCTINAS202A 20004840	Open	10556363	NetApp Standard Contract	SSP All SW		31-May-2012	☒
		90614605	NetApp ASP Contract	Disk Support	4hr Parts Replace	30-Apr-2012	☒
				Field Support Services	4hr Parts Replace	30-Apr-2012	☒
				Hardware Services	4hr Parts Replace	30-Apr-2012	☒
				SW Application Sanitizer		30-Apr-2012	☒
				SW Application SnapVault Secondary		30-Apr-2012	☒
				SW Protocol CIFS		30-Apr-2012	☒
				SW Protocol Cluster		30-Apr-2012	☒
				SW Protocol Flexclone		30-Apr-2012	☒
				SW Protocol MultiStore		30-Apr-2012	☒
				SW Protocol NFS		30-Apr-2012	☒
				SW Protocol SnapLock Compliance		30-Apr-2012	☒
				SW Protocol iSCSI		30-Apr-2012	☒
				SnapMirror		30-Apr-2012	☒
				SnapRestore		30-Apr-2012	☒
WSWCTINAS202B 20004841	Open	10556363	NetApp Standard Contract	SSP All SW		31-May-2012	☒
		90614603	NetApp ASP Contract	Disk Support	4hr Parts Replace	30-Apr-2012	☒
				Field Support Services	4hr Parts Replace	30-Apr-2012	☒
				Hardware Services	4hr Parts Replace	30-Apr-2012	☒
				SW Application Sanitizer		30-Apr-2012	☒
				SW Application SnapVault Secondary		30-Apr-2012	☒
				SW Protocol CIFS		30-Apr-2012	☒
				SW Protocol Cluster		30-Apr-2012	☒

Service Contracts

Host Name, Serial Number	Contract Status	Contract Number	Contract Type	Service Name	Service Level	Service End date	Active
WSWCTINAS202B 20004841	Open	90614603	NetApp ASP Contract	SW Protocol Flexclone		30-Apr-2012	☒
				SW Protocol MultiStore		30-Apr-2012	☒
				SW Protocol NFS		30-Apr-2012	☒
				SW Protocol SnapLock Compliance		30-Apr-2012	☒
				SW Protocol iSCSI		30-Apr-2012	☒
				SnapMirror		30-Apr-2012	☒
				SnapRestore		30-Apr-2012	☒

Performance Summary - CPU Utilization

Current Average CPU Utilization Systems Summary

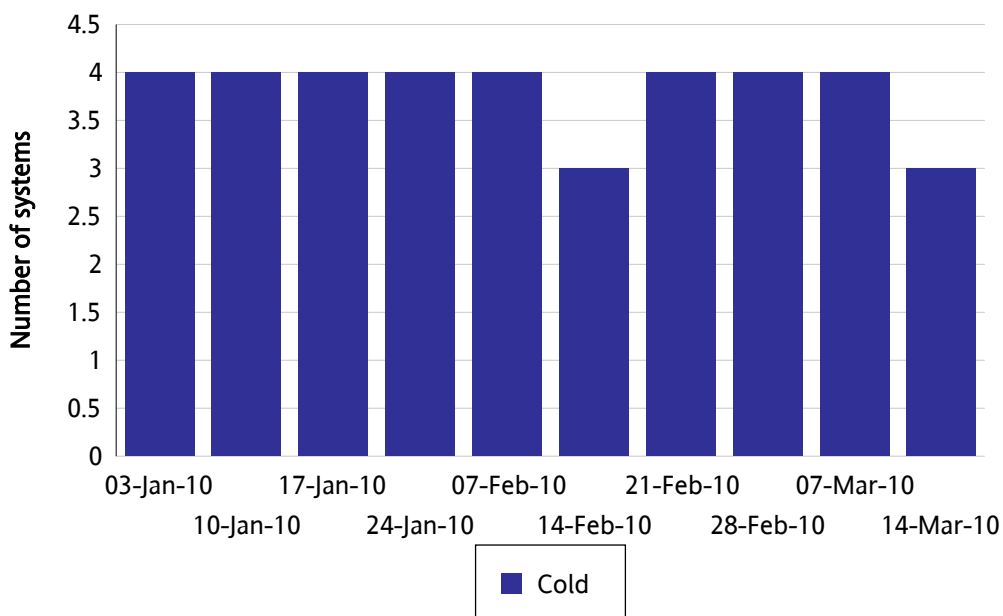


System Count



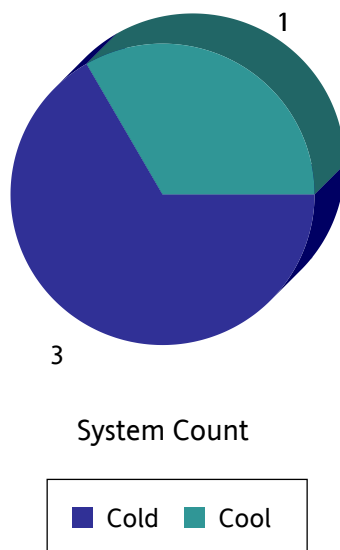
Storage systems are considered Hot when a system spends >40% of its time at >80% utilization. Heated systems spend >10% of their time at >80% utilization. Cool systems spend >50% of their time at >40% utilization. Cold is indicated when none of the previous conditions are true.

Average CPU Utilization Systems Trend



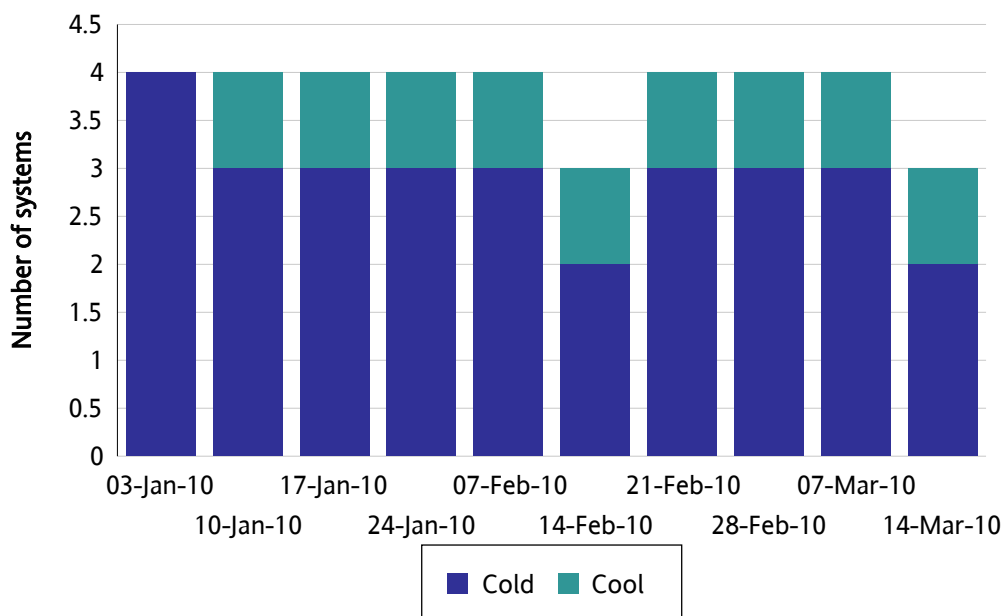
Performance Summary - Disk Utilization

Current Average Disk Utilization Systems Summary



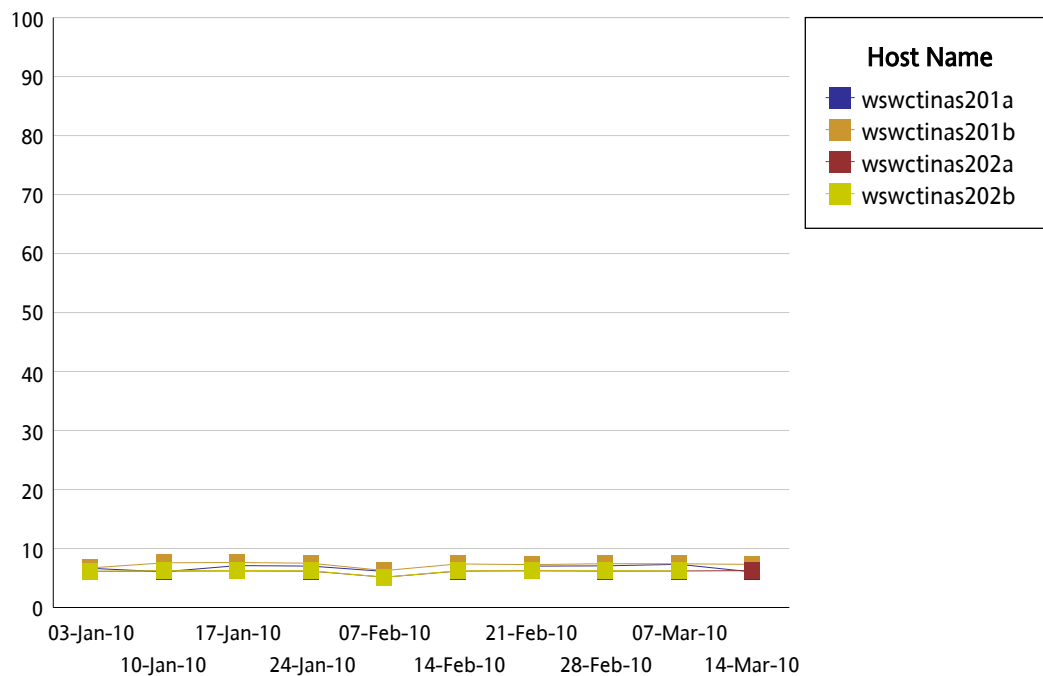
Storage systems are considered Hot when a system spends >40% of its time at >80% utilization. Heated systems spend >10% of their time at >80% utilization. Cool systems spend >50% of their time at >40% utilization. Cold is indicated when none of the previous conditions are true.

Average Disk Utilization Systems Trend

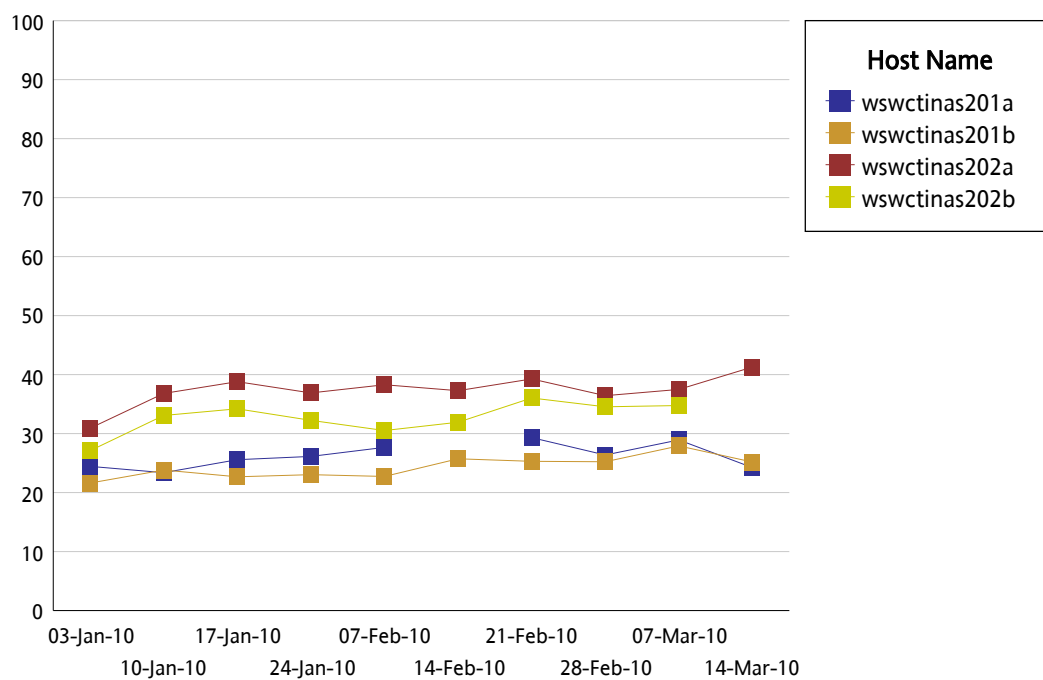


System Performance

Average CPU Utilization % Trends - Top 10 Systems



Average Disk Utilization % Trends - Top 10 Systems



Physical Inspection Summary

Your NetApp systems are checked for physical and environmental criteria that will adversely affect the availability and performance of your system. The following conditions are checked during a physical inspection.

1. Are all of the disk shelves mounted properly?
2. Do all shelf labels match the shelf IDs?
3. Are all disks and power supply sleds seated properly?
4. Are all head unit fans spinning normally?
5. Are all fans free of dust?
6. Are all power supply LEDs working?
7. Are all power supply fault lights off?
8. Are all exhaust fans spinning normally?
9. Are all power cords fastened securely?
10. Is the system grounded properly?
11. Is the FCAL connector terminator properly attached to the system?
12. Does the system meet NetApp power requirements?
13. Does the system have a spares kit?

There are no inspection results found for this system.

SYSTEM REVIEW



Host Name: wswctinas201a
Serial Number: 20004838
Last Update: 14-Mar-2010

Model: FAS3040
O/S: 7.2.5.1P6D15
Partner Name: wswctinas201b

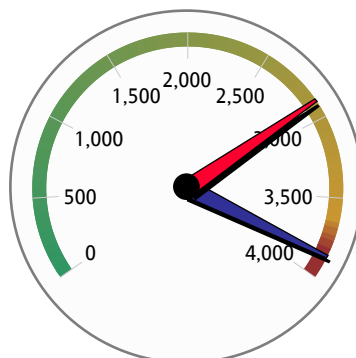
Installed Products

Product Name
A_SIS
CIFS
CLUSTER
DISK_SANITIZATION
FLEX_CLONE
ISCSI
MULTISTORE
NEARSTORE_OPTION
NFS
SNAPLOCK
SNAPMIRROR
SNAPRESTORE
SV_ONTAP_SEC

Hardware Summary

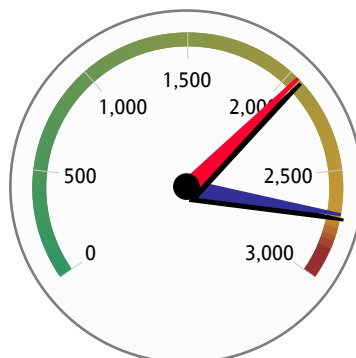
Component	Count
Shelves	2
Disk	28

Aggregate Utilization



■ Used Aggregate GB ■ Total Aggregate GB

Volume Utilization



■ Used Volume GB ■ Total Volume GB

ASUP Contact: intnas.alerts@imceu.eu.smb.com
SNMP Contact & Location: No information provided
ASUP Minimal Flag: F

System Slot Inventory

Slot Number	Part Number	Description
0	110-00057	Remote LAN Module
0		BGE 10/100/1000 Ethernet Controller
0		FC Host Adapter (QLogic 2432 rev. 2)
0		NetApp ATA/IDE Adapter
1		FC Host Adapter (LSI Logic 949E rev. A.1)
2	X1038A	Dual Gigabit Ethernet Controller G20
3		NVRAM VI
4	X1038A	Dual Gigabit Ethernet Controller G20

Disk Summary

Disk Label	Disk Model, Disk Make	Current FW, Latest FW	Checksum Type	Disk Size GB	Disk Bytes Per Sector	Shelf Type	Disk Count
DATA	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	16
DATA	X276_S10K7288F10 NETAPP	NA07 NA07		272.00	520	DS14-Mk4-FC	1
DPARITY	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	2
PARITY	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	2
SPARE	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	6
SPARE	X276_S10K7288F10 NETAPP	NA07 NA07		272.00	520	DS14-Mk4-FC	1
Summary							28

Shelf Summary

Shelf Type	Shelf Module Type	Latest FW	Current FW	Shelf Count
DS14-Mk4-FC	ESH4	13	13	1
DS14-Mk4-FC	ESH4	13	13	1

RAID Configuration

RAID Group Name	RAID Type	Aggregate Name	Disk Count
rg0	RAID_DP	aggr0	21
		aggr1	

Aggregate and Volume Configuration

Aggregate Name	Volume Name
aggr0	vol0
aggr1	wsww01
	wsww02
	wsww03
	wsww04
	wsww05

Snapshot Usage Summary

Volume Name	Snapshot Count	Snapshot Schedule	Snapshot Space Reserve %	Snap Reserve Used %
vol0	28	3 22 2@13,17	20.00%	3.00%
wsww01	28	3 22 2@13,17	20.00%	34.00%
wsww02	28	3 22 2@13,17	20.00%	57.00%
wsww03	28	3 22 2@13,17	20.00%	35.00%
wsww04	28	3 22 2@13,17	20.00%	71.00%
wsww05	28	3 22 2@13,17	20.00%	137.00%

Aggregate Usage Summary

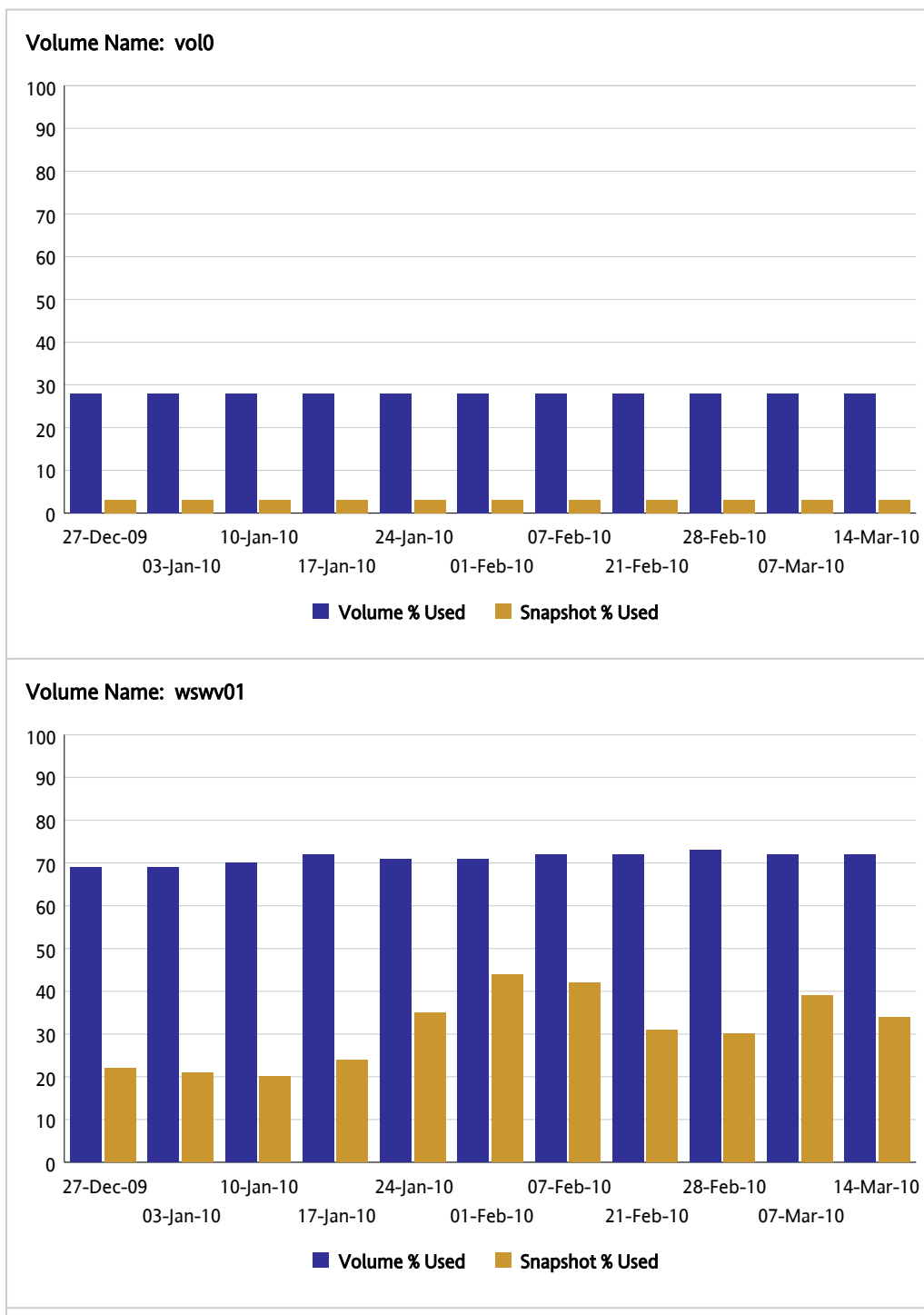
Aggregate Name	Total GB	Used GB	Free GB	Used %	Free %
aggr0	227.00	50.00	177.00	22.00 %	78.00 %
aggr1	3,633.00	2,839.00	795.00	78.00 %	22.00 %

Volume Usage Summary

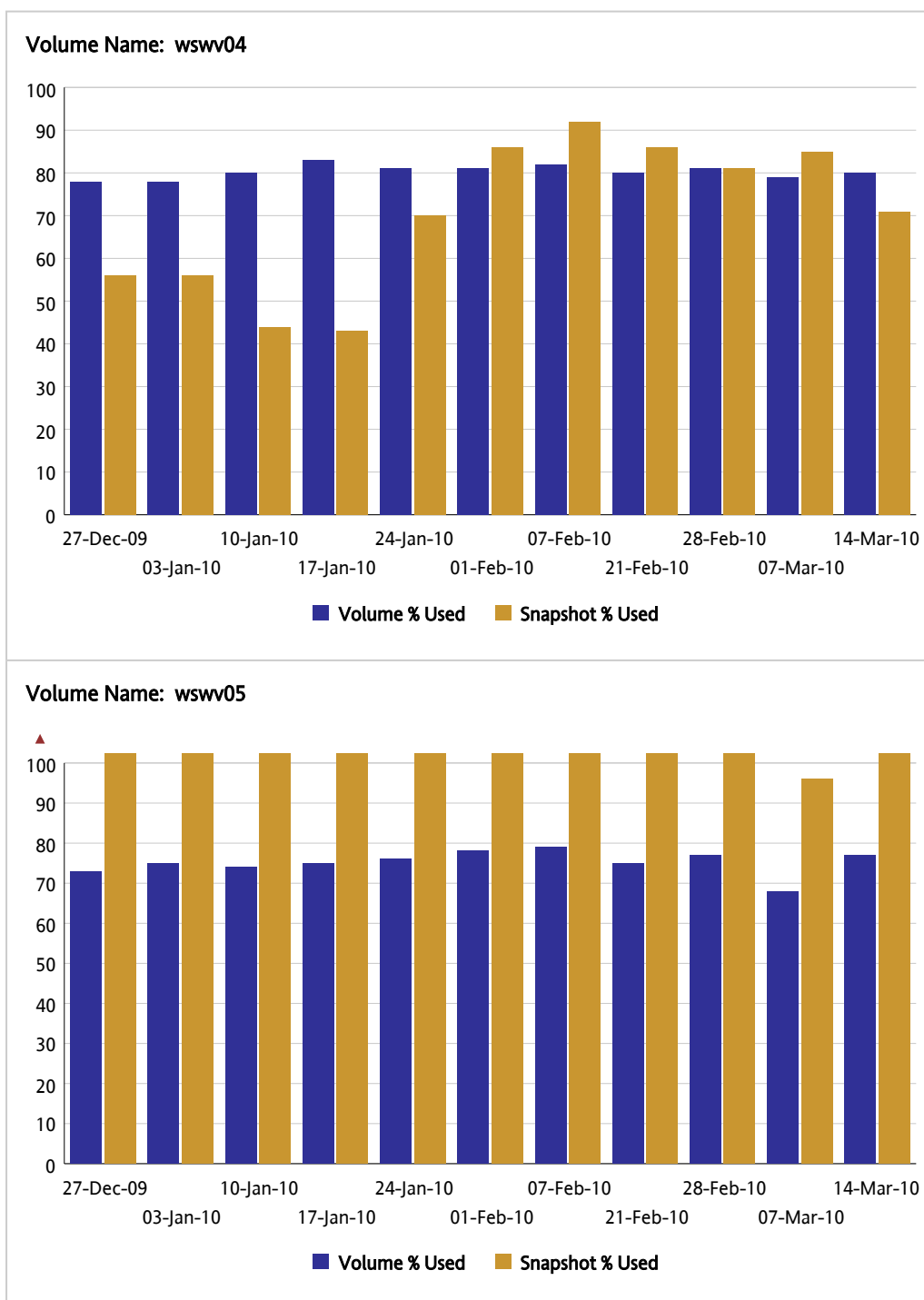
Aggregate Name	Volume Name	Volume Type	Volume State	Total GB	Used GB	Free GB	Used %	Inode Used %
aggr0	vol0	FLEX	ONLINE	40.00	11.00	28.89	28.00 %	0.00 %
aggr1	wsww01	FLEX	ONLINE	532.80	386.00	147.15	72.00 %	3.00 %
	wsww02	FLEX	ONLINE	532.80	415.00	117.99	78.00 %	4.00 %
	wsww03	FLEX	ONLINE	532.80	395.00	137.77	74.00 %	5.00 %
	wsww04	FLEX	ONLINE	528.00	423.00	104.54	80.00 %	4.00 %
	wsww05	FLEX	ONLINE	532.80	412.00	120.56	77.00 %	2.00 %

Disk Space Utilization

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Qtree Status

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr0	vol0	/vol/vol0/-	NORMAL
		/vol/vol0/auditlog	NORMAL
aggr1	wswv01	/vol/wswv01/-	NORMAL
		/vol/wswv01/Administration	NORMAL

Citigroup PL Storage Availability Audit for March 23, 2010

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr1	wswv01	/vol/wswv01/Audit	NORMAL
		/vol/wswv01/Audyt_HRCBS	NORMAL
		/vol/wswv01/Business_Cards	NORMAL
		/vol/wswv01/CIBTech_MIS	NORMAL
		/vol/wswv01/CIPLC_COE	NORMAL
		/vol/wswv01/CMGT	NORMAL
		/vol/wswv01/COE	NORMAL
		/vol/wswv01/CitiBusiness_Raporty	NORMAL
		/vol/wswv01/DBI	NORMAL
		/vol/wswv01/Dist_Sched	NORMAL
		/vol/wswv01/DublinOps_Poland	NORMAL
		/vol/wswv01/Eldo	NORMAL
		/vol/wswv01/Eldo_Test	NORMAL
		/vol/wswv01/FIQR	NORMAL
		/vol/wswv01/HPUNIX_SATS	NORMAL
		/vol/wswv01/Marketing_SME	NORMAL
		/vol/wswv01/NRB	NORMAL
		/vol/wswv01/OpBT	NORMAL
		/vol/wswv01/OpTech_Managers	NORMAL
		/vol/wswv01/PORTO	NORMAL
		/vol/wswv01/Quality	NORMAL
		/vol/wswv01/RISK_MIS	NORMAL
		/vol/wswv01/Risk_Mgmt_Sector	NORMAL
	wswv02	/vol/wswv02/-	NORMAL
		/vol/wswv02/COMPLIANCE	NORMAL
		/vol/wswv02/Citiwomen	NORMAL
		/vol/wswv02/Custody	NORMAL
		/vol/wswv02/Custody_Oth	NORMAL
		/vol/wswv02/DRW	NORMAL
		/vol/wswv02/DRW_Oth	NORMAL
		/vol/wswv02/Depts	NORMAL
		/vol/wswv02/GTS	NORMAL
		/vol/wswv02/HR	NORMAL
		/vol/wswv02/HR_TETA	NORMAL
		/vol/wswv02/LPU	NORMAL
		/vol/wswv02/NostroRec	NORMAL
		/vol/wswv02/RESTR	NORMAL
		/vol/wswv02/RiskMgmt	NORMAL
		/vol/wswv02/SMEMarket	NORMAL
		/vol/wswv02/TROPS	NORMAL

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr1	wsww02	/vol/wsww02/WRDC_CC	NORMAL
	wsww03	/vol/wsww03/-	NORMAL
		/vol/wsww03/3BranchQT03	NORMAL
		/vol/wsww03/AML	NORMAL
		/vol/wsww03/BIIB	NORMAL
		/vol/wsww03/BODiFH	NORMAL
		/vol/wsww03/BRIW	NORMAL
		/vol/wsww03/BSS_GCB	NORMAL
		/vol/wsww03/CEE_Investor	NORMAL
		/vol/wsww03/CF	NORMAL
		/vol/wsww03/CIBISAIX	NORMAL
		/vol/wsww03/CitiInsurance	NORMAL
		/vol/wsww03/CommBank	NORMAL
		/vol/wsww03/DC	NORMAL
		/vol/wsww03/DOK	NORMAL
		/vol/wsww03/ELC	NORMAL
		/vol/wsww03/FI	NORMAL
		/vol/wsww03/Kontrola_Dostepu	NORMAL
		/vol/wsww03/Legal	NORMAL
		/vol/wsww03/MRISK	NORMAL
		/vol/wsww03/Projects_Coordination	NORMAL
		/vol/wsww03/Restrukturyzacja	NORMAL
		/vol/wsww03/SOP	NORMAL
		/vol/wsww03/Shares	NORMAL
		/vol/wsww03/Sodexho	NORMAL
		/vol/wsww03/TREASURY	NORMAL
		/vol/wsww03/Technology	NORMAL
		/vol/wsww03/USGAAP	NORMAL
		/vol/wsww03/X-Sell	NORMAL
		/vol/wsww03/XML_converter	NORMAL
		/vol/wsww03/XferSrv	NORMAL
		/vol/wsww03/ZASIT	NORMAL
	wsww04	/vol/wsww04/-	NORMAL
		/vol/wsww04/BRIWMP	NORMAL
		/vol/wsww04/CBS	NORMAL
		/vol/wsww04/DMBH	NORMAL
		/vol/wsww04/EMEA_AML	NORMAL
		/vol/wsww04/ISA	NORMAL
		/vol/wsww04/MISCEE	NORMAL
		/vol/wsww04/NS	NORMAL

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr1	wsww04	/vol/wsww04/Talent_Mgmt	NORMAL
	wsww05	/vol/wsww05/-	NORMAL
		/vol/wsww05/Calm_TreasuryPC	NORMAL
		/vol/wsww05/FG_Recon	NORMAL
		/vol/wsww05/ICU	NORMAL
		/vol/wsww05/PC	NORMAL
		/vol/wsww05/PCU	NORMAL
		/vol/wsww05/PC_MENA	NORMAL
		/vol/wsww05/PC_Region	NORMAL
		/vol/wsww05/TCU	NORMAL

There are no LUNs found for this system.

SnapMirror / SnapVault Status

SnapMirror State	Source System	Source Path	Destination System	Destination Path
SOURCE	wswtctinas201a	/vol/vol0/-	wswtctinas202a	/vol/vol0dr_m/-
SOURCE	wswtctinas201a	/vol/wsww01/-	wswtctinas202a	/vol/wsww01/-
SOURCE	wswtctinas201a	/vol/wsww02/-	wswtctinas202a	/vol/wsww02/-
SOURCE	wswtctinas201a	/vol/wsww03/-	wswtctinas202a	/vol/wsww03/-
SOURCE	wswtctinas201a	/vol/wsww04/-	wswtctinas202a	/vol/wsww04/-
SOURCE	wswtctinas201a	/vol/wsww05/-	wswtctinas202a	/vol/wsww05/-

Network Information

Port Name	Description	IP Address, Subnet Mask	Media Type	VIF Name	Current Interface Speed	Full Duplex	FC Setting, Negotiated	Auto-Negotiate Enabled
e0a	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev1	1,000	Full	Full Unknown	On
e0c	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev2	1,000	Full	Full Unknown	On
e0b	BGE 10/100/1000 Ethernet Controller	-					Full Unknown	
e0d	BGE 10/100/1000 Ethernet Controller	-					Full Unknown	
e2a	Dual Gigabit Ethernet Controller G20	-					Full Unknown	
e2b	Dual Gigabit Ethernet Controller G20	-					Full Unknown	
e4a	Dual Gigabit Ethernet Controller G20	-					Full Unknown	

Port Name	Description	IP Address, Subnet Mask	Media Type	VIF Name	Current Interface Speed	Full Duplex	FC Setting, Negotiated	Auto-Negotiate Enabled
e4b	Dual Gigabit Ethernet Controller G20	-					Full Unknown	

NFS (Network File System) Protocol Usage

NFS calls by Protocol:

Protocol	NFS Calls	Bad Calls	Bad Calls %
TCP	0	0	0.00%
UDP	0	0	0.00%

NFS calls by Version:

NFS Version	NFS Calls	NFS Calls %
NFSv2	0	0.00%
NFSv3	0	0.00%
NFSv4	0	0.00%

CIFS (Common Internet File System): Top 5 CIFS Operations

The "CIFS Stat" command shows CIFS related statistics since the last system reboot. These statistics break down the top 5 CIFS operations.

CIFS operation	CIFS Calls	CIFS Calls %
NTCreateX	394908234	5.00%
find_first2	732056665	10.00%
query_path_info	1266869696	17.00%
readX	2971022988	40.00%
writeX	520486875	7.00%

MultiStore (vFiler)

vFiler Name	vFiler State	vFiler IP Space	UUID (Universal Unique ID)
vfiler0	RUNNING	default-ip-space	00000000-0000-0000-0000-000000000000

ASUP (AutoSupport) Status

ASUP Category	Value
autosupport.enable	on
autosupport.mailhost	mailhub-vip.ny.ssmb.com,mailhub-dc1.eu.ssmb.com,mailhub-dc2.eur.nsroot.net
autosupport.noteto	nas.alerts@citi.com
autosupport.support.enable	on

ASUP Category	Value
autosupport.support.proxy	webproxy.wlb.nsroot.net:8080
autosupport.support.to	autosupport@netapp.com
autosupport.support.transport	https
autosupport.support.url	support.netapp.com/asupprod/post/1.0/postAsup
autosupport.to	intnas.alerts@imceu.eu.smb.com

SYSTEM REVIEW



Host Name: wswctinas201b
Serial Number: 20004839
Last Update: 14-Mar-2010

Model: FAS3040
O/S: 7.2.5.1P6D15
Partner Name: wswctinas201a

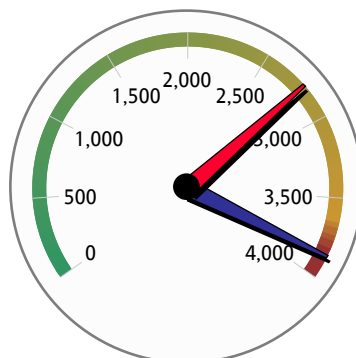
Installed Products

Product Name
A_SIS
CIFS
CLUSTER
DISK_SANITIZATION
FLEX_CLONE
ISCSI
MULTISTORE
NEARSTORE_OPTION
NFS
SNAPLOCK
SNAPMIRROR
SNAPRESTORE
SV_ONTAP_SEC

Hardware Summary

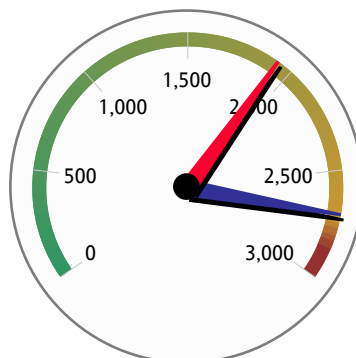
Component	Count
Shelves	2
Disk	28

Aggregate Utilization



■ Used Aggregate GB ■ Total Aggregate GB

Volume Utilization



■ Used Volume GB ■ Total Volume GB

ASUP Contact: intnas.alerts@imceu.eu.smb.com
SNMP Contact & Location: No information provided
ASUP Minimal Flag: F

System Slot Inventory

Slot Number	Part Number	Description
0	110-00057	Remote LAN Module
0		BGE 10/100/1000 Ethernet Controller
0		FC Host Adapter (QLogic 2432 rev. 2)
0		NetApp ATA/IDE Adapter
1		FC Host Adapter (LSI Logic 949E rev. A.1)
2	X1038A	Dual Gigabit Ethernet Controller G20
3		NVRAM VI
4	X1038A	Dual Gigabit Ethernet Controller G20

Disk Summary

Disk Label	Disk Model, Disk Make	Current FW, Latest FW	Checksum Type	Disk Size GB	Disk Bytes Per Sector	Shelf Type	Disk Count
DATA	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	17
DPARITY	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	2
PARITY	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	2
SPARE	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	7
Summary							28

Shelf Summary

Shelf Type	Shelf Module Type	Latest FW	Current FW	Shelf Count
DS14-Mk4-FC	ESH4	13	13	1
DS14-Mk4-FC	ESH4	13	13	1

RAID Configuration

RAID Group Name	RAID Type	Aggregate Name	Disk Count
rg0	RAID_DP	aggr0	21
		aggr1	

Aggregate and Volume Configuration

Aggregate Name	Volume Name
aggr0	vol0
aggr1	wsww01
	wsww02
	wsww03
	wsww04
	wsww05

Snapshot Usage Summary

Volume Name	Snapshot Count	Snapshot Schedule	Snapshot Space Reserve %	Snap Reserve Used %
vol0	28	3 22 2@13,17	20.00%	4.00%
wsww01	28	3 22 2@13,17	20.00%	65.00%
wsww02	28	3 22 2@13,17	20.00%	55.00%
wsww03	28	3 22 2@13,17	20.00%	63.00%
wsww04	28	3 22 2@13,17	20.00%	40.00%
wsww05	26	3 22 2@13,17	20.00%	150.00%

Aggregate Usage Summary

Aggregate Name	Total GB	Used GB	Free GB	Used %	Free %
aggr0	227.00	50.00	177.00	22.00 %	78.00 %
aggr1	3,633.00	2,727.00	907.00	75.00 %	25.00 %

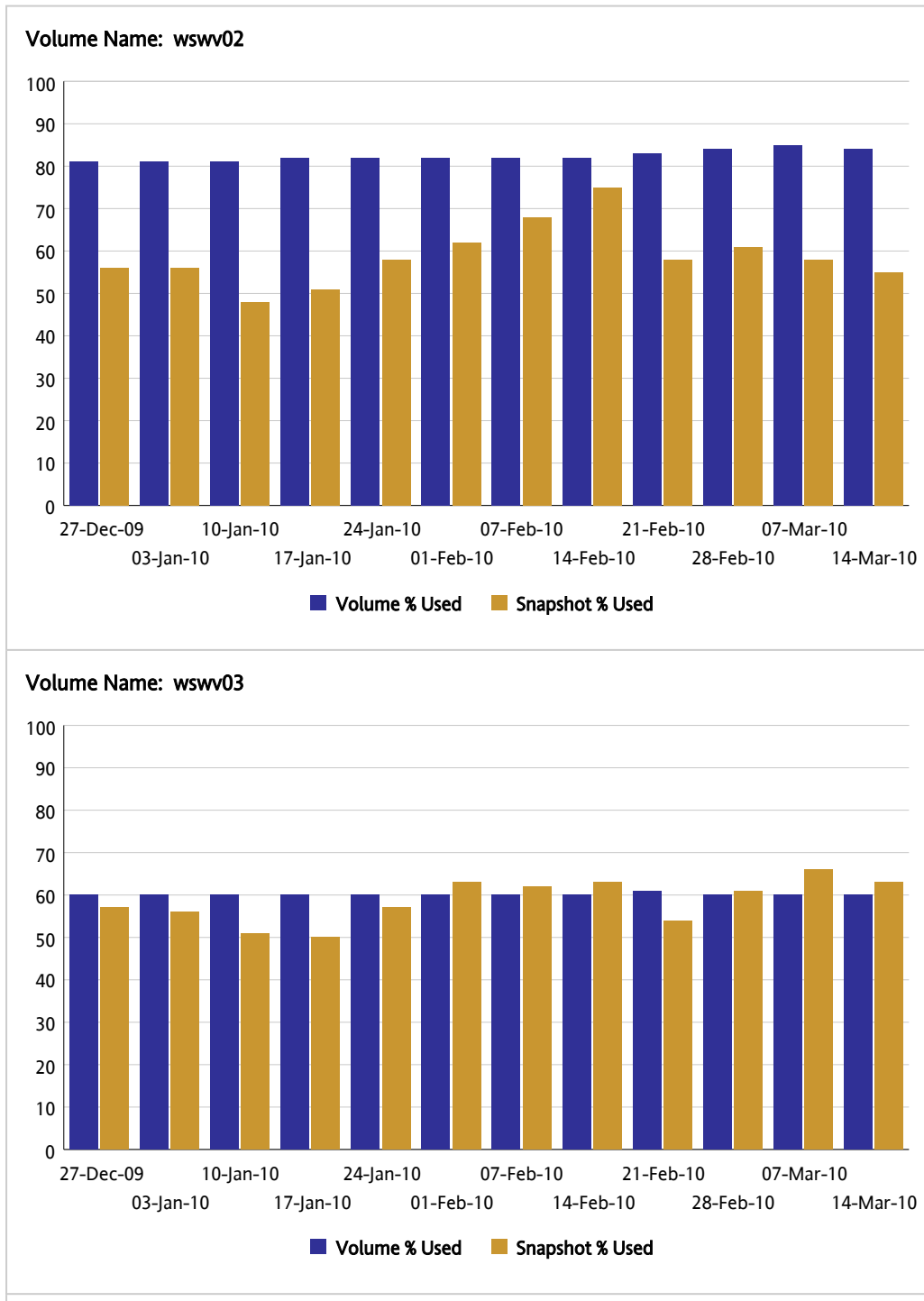
Volume Usage Summary

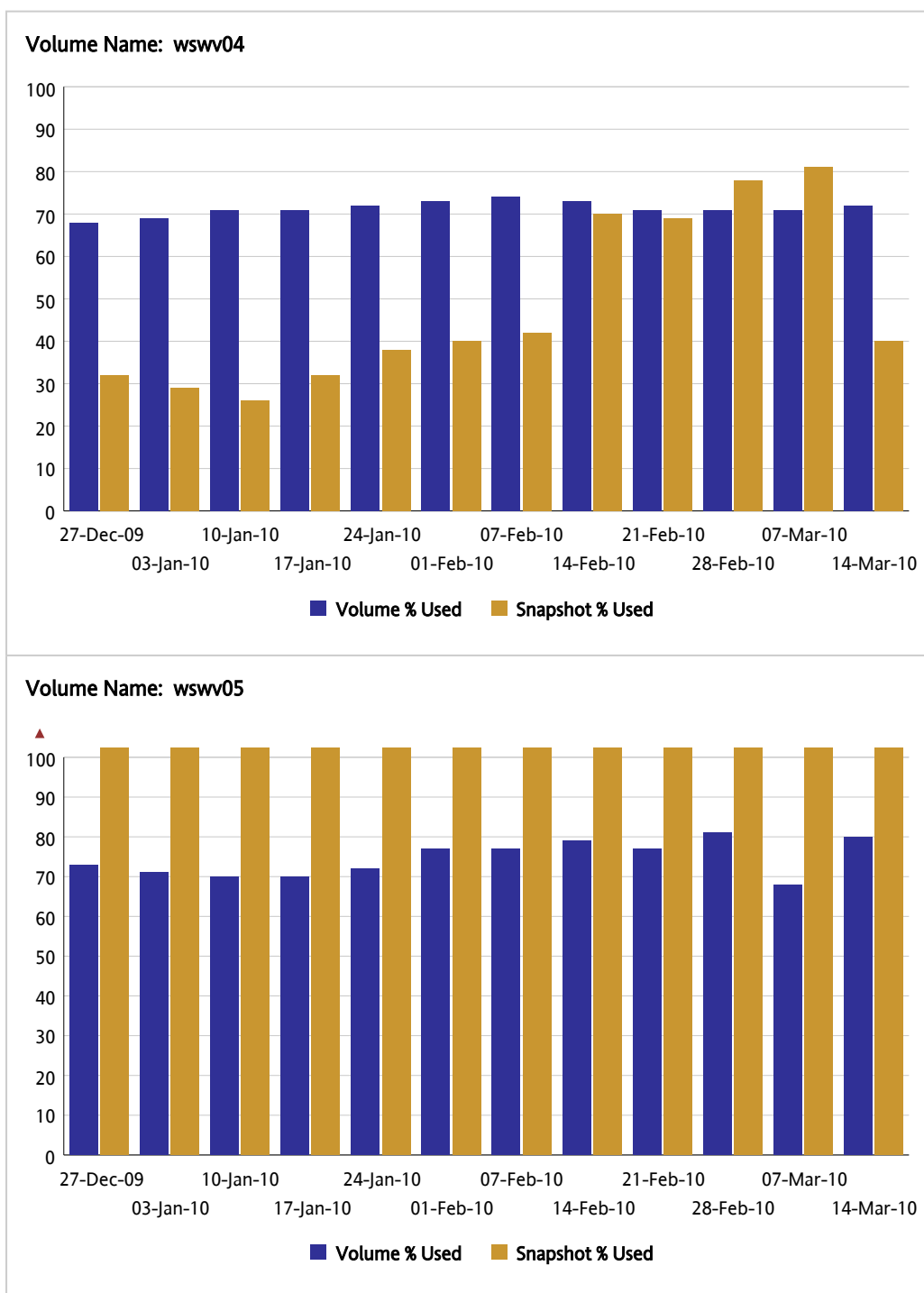
Aggregate Name	Volume Name	Volume Type	Volume State	Total GB	Used GB	Free GB	Used %	Inode Used %
aggr0	vol0	FLEX	ONLINE	40.00	1.00	39.19	2.00 %	0.00 %
aggr1	wsww01	FLEX	ONLINE	532.80	358.00	174.98	67.00 %	2.00 %
	wsww02	FLEX	ONLINE	532.80	446.00	86.89	84.00 %	3.00 %
	wsww03	FLEX	ONLINE	532.80	318.00	214.64	60.00 %	5.00 %
	wsww04	FLEX	ONLINE	528.00	378.00	149.99	72.00 %	3.00 %
	wsww05	FLEX	ONLINE	532.80	426.00	107.23	80.00 %	1.00 %

Disk Space Utilization

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Qtree Status

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr0	vol0	/vol/vol0/-	NORMAL
		/vol/vol0/auditlog	NORMAL
aggr1	wswv01	/vol/wswv01/-	NORMAL
		/vol/wswv01/AMD_Addon	NORMAL

Citigroup PL Storage Availability Audit for March 23, 2010

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr1	wswv01	/vol/wswv01/AMD_E-STMT_MACRO	NORMAL
		/vol/wswv01/A_Sales_Support_Department	NORMAL
		/vol/wswv01/Agency	NORMAL
		/vol/wswv01/Agency_Makra	NORMAL
		/vol/wswv01/Agency_data_exchange	NORMAL
		/vol/wswv01/Akwizycja_Projekty	NORMAL
		/vol/wswv01/BBP_APPRAISAL	NORMAL
		/vol/wswv01/BPIW	NORMAL
		/vol/wswv01/BTE	NORMAL
		/vol/wswv01/Baza_Umow	NORMAL
		/vol/wswv01/CCD	NORMAL
		/vol/wswv01/CIPLC	NORMAL
		/vol/wswv01/CSWaw	NORMAL
		/vol/wswv01/CTD_MasterList	NORMAL
		/vol/wswv01/CVU_BUOCO	NORMAL
		/vol/wswv01/CVU_CC2	NORMAL
		/vol/wswv01/CVU_PLUS	NORMAL
		/vol/wswv01/CashMaster_Unit	NORMAL
		/vol/wswv01/Cash_Handling	NORMAL
		/vol/wswv01/Cash_Loan	NORMAL
		/vol/wswv01/Citibusiness	NORMAL
		/vol/wswv01/Citifinancial	NORMAL
		/vol/wswv01/Claims	NORMAL
		/vol/wswv01/Coll-blk_J	NORMAL
		/vol/wswv01/Coll_control	NORMAL
		/vol/wswv01/Common	NORMAL
		/vol/wswv01/CreditMIS_Mktg	NORMAL
		/vol/wswv01/Credit_Procesess	NORMAL
		/vol/wswv01/DB_Sale	NORMAL
		/vol/wswv01/DB_Sale_Reas	NORMAL
		/vol/wswv01/DMBHDCC	NORMAL
		/vol/wswv01/DMBH_BORB	NORMAL
		/vol/wswv01/DOB_RS	NORMAL
		/vol/wswv01/DOB_Zajecia	NORMAL
		/vol/wswv01/DTS	NORMAL
		/vol/wswv01/DWH_fundusze	NORMAL
		/vol/wswv01/Distribution	NORMAL
		/vol/wswv01/ECS_Plus_UAT	NORMAL
		/vol/wswv01/ELIX_REP	NORMAL
		/vol/wswv01/Files	NORMAL

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr1	wswv01	/vol/wswv01/Fincon_Citifinancial	NORMAL
		/vol/wswv01/Fraud	NORMAL
		/vol/wswv01/Fraud_Reports	NORMAL
		/vol/wswv01/GCB_HOFF	NORMAL
		/vol/wswv01/GCB_SendCash	NORMAL
		/vol/wswv01/GCG_AML	NORMAL
		/vol/wswv01/GCG_FX_POSITION_SQR	NORMAL
		/vol/wswv01/GCG_Treasury	NORMAL
		/vol/wswv01/GF-HOFF	NORMAL
		/vol/wswv01/GIRS_WEST_EUROPE	NORMAL
		/vol/wswv01/GSC_FROF_WARSAW	NORMAL
		/vol/wswv01/Goniec	NORMAL
		/vol/wswv01/ICDS_3	NORMAL
		/vol/wswv01/IFTS	NORMAL
		/vol/wswv01/ISS	NORMAL
		/vol/wswv01/IVR_UAT	NORMAL
	wswv02	/vol/wswv02/-	NORMAL
	wswv03	/vol/wswv03/-	NORMAL
	wswv04	/vol/wswv04/-	NORMAL
	wswv05	/vol/wswv05/-	NORMAL

There are no LUNs found for this system.

SnapMirror / SnapVault Status

SnapMirror State	Source System	Source Path	Destination System	Destination Path
SOURCE	wswctinas201b	/vol/vol0/-	wswctinas202b	/vol/vol0dr_m/-
SOURCE	wswctinas201b	/vol/wswv01/-	wswctinas202b	/vol/wswv01/-
SOURCE	wswctinas201b	/vol/wswv02/-	wswctinas202b	/vol/wswv02/-
SOURCE	wswctinas201b	/vol/wswv03/-	wswctinas202b	/vol/wswv03/-
SOURCE	wswctinas201b	/vol/wswv04/-	wswctinas202b	/vol/wswv04/-
SOURCE	wswctinas201b	/vol/wswv05/-	wswctinas202b	/vol/wswv05/-

Network Information

Port Name	Description	IP Address, Subnet Mask	Media Type	VIF Name	Current Interface Speed	Full Duplex	FC Setting, Negotiated	Auto-Negotiate Enabled
e0a	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev4	1,000	Full	Full Unknown	On

Port Name	Description	IP Address, Subnet Mask	Media Type	VIF Name	Current Interface Speed	Full Duplex	FC Setting, Negotiated	Auto-Negotiate Enabled
e0c	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev5	1,000	Full	Full Unknown	On
e0b	BGE 10/100/1000 Ethernet Controller	-					Full Unknown	
e0d	BGE 10/100/1000 Ethernet Controller	-					Full Unknown	
e2a	Dual Gigabit Ethernet Controller G20	-					Full Unknown	
e2b	Dual Gigabit Ethernet Controller G20	-					Full Unknown	
e4a	Dual Gigabit Ethernet Controller G20	-					Full Unknown	
e4b	Dual Gigabit Ethernet Controller G20	-					Full Unknown	

NFS (Network File System) Protocol Usage

NFS calls by Protocol:

Protocol	NFS Calls	Bad Calls	Bad Calls %
TCP	0	0	0.00%
UDP	0	0	0.00%

NFS calls by Version:

NFS Version	NFS Calls	NFS Calls %
NFSv2	0	0.00%
NFSv3	0	0.00%
NFSv4	0	0.00%

CIFS (Common Internet File System): Top 5 CIFS Operations

The "CIFS Stat" command shows CIFS related statistics since the last system reboot. These statistics break down the top 5 CIFS operations.

CIFS operation	CIFS Calls	CIFS Calls %
NTCreateX	538418208	7.00%
find_first2	668588130	8.00%
query_path_info	1522019627	19.00%
readX	2827739106	35.00%
writeX	707126828	9.00%

MultiStore (vFiler)

vFiler Name	vFiler State	vFiler IP Space	UUID (Universal Unique ID)
vfiler0	RUNNING	default-ipspace	00000000-0000-0000-0000-000000000000

ASUP (AutoSupport) Status

ASUP Category	Value
autosupport.enable	on
autosupport.mailhost	mailhub-vip.ny.ssmb.com,mailhub-dc1.eu.ssmb.com,mailhub-dc2.eur.nsroot.net
autosupport.noteto	nas.alerts@citi.com
autosupport.support.enable	on
autosupport.support.proxy	webproxy.wlb.nsroot.net:8080
autosupport.support.to	autosupport@netapp.com
autosupport.support.transport	https
autosupport.support.url	support.netapp.com/asupprod/post/1.0/postAsup
autosupport.to	intnas.alerts@imceu.eu.ssmb.com

SYSTEM REVIEW



Host Name: wswctinas202a
Serial Number: 20004840
Last Update: 14-Mar-2010

Model: FAS3040
O/S: 7.2.5.1P6D15
Partner Name: wswctinas202b

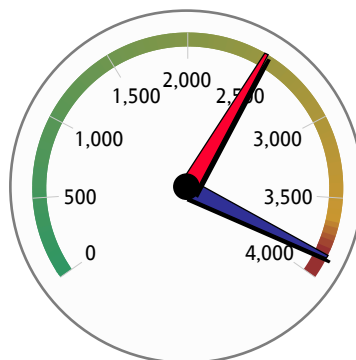
Installed Products

Product Name
A_SIS
CIFS
CLUSTER
DISK_SANITIZATION
FLEX_CLONE
ISCSI
MULTISTORE
NEARSTORE_OPTION
NFS
SNAPLOCK
SNAPMIRROR
SNAPRESTORE
SV_ONTAP_SEC

Hardware Summary

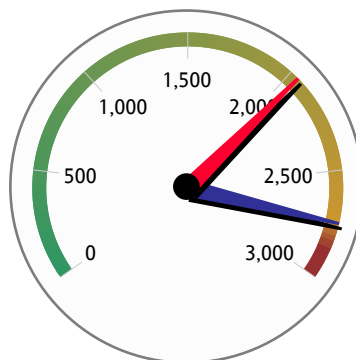
Component	Count
Shelves	2
Disk	28

Aggregate Utilization



■ Used Aggregate GB ■ Total Aggregate GB

Volume Utilization



■ Used Volume GB ■ Total Volume GB

ASUP Contact: intnas.alerts@imceu.eu.smb.com
SNMP Contact & Location: No information provided
ASUP Minimal Flag: F

System Slot Inventory

Slot Number	Part Number	Description
0	110-00057	Remote LAN Module
0		BGE 10/100/1000 Ethernet Controller
0		FC Host Adapter (QLogic 2432 rev. 2)
0		NetApp ATA/IDE Adapter
1		FC Host Adapter (LSI Logic 949E rev. A.1)
2	X2028A	SCSI Host Adapter (LSI Logic 1030 rev. 0)
3		NVRAM VI
4	X1038A	Dual Gigabit Ethernet Controller G20

Disk Summary

Disk Label	Disk Model, Disk Make	Current FW, Latest FW	Checksum Type	Disk Size GB	Disk Bytes Per Sector	Shelf Type	Disk Count
DATA	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	17
DPARITY	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	2
PARITY	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	2
SPARE	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	7
Summary							28

Shelf Summary

Shelf Type	Shelf Module Type	Latest FW	Current FW	Shelf Count
DS14-Mk4-FC	ESH4	13	13	1
DS14-Mk4-FC	ESH4	13	13	1

RAID Configuration

RAID Group Name	RAID Type	Aggregate Name	Disk Count
rg0	RAID_DP	aggr0	21
		aggr1	

Aggregate and Volume Configuration

Aggregate Name	Volume Name
aggr0	vol0
	vol0dr_m
aggr1	wswv01
	wswv02
	wswv03
	wswv04
	wswv05

Snapshot Usage Summary

Volume Name	Snapshot Count	Snapshot Schedule	Snapshot Space Reserve %	Snap Reserve Used %
vol0	27	3 22 2@13,17	20.00%	8.00%
wswv01	29	3 22 2@13,17	20.00%	34.00%
wswv02	29	3 22 2@13,17	20.00%	57.00%
wswv03	29	3 22 2@13,17	20.00%	35.00%
wswv04	29	3 22 2@13,17	20.00%	71.00%
wswv05	29	3 22 2@13,17	20.00%	137.00%
vol0dr_m	29	3 22 2@13,17	20.00%	3.00%

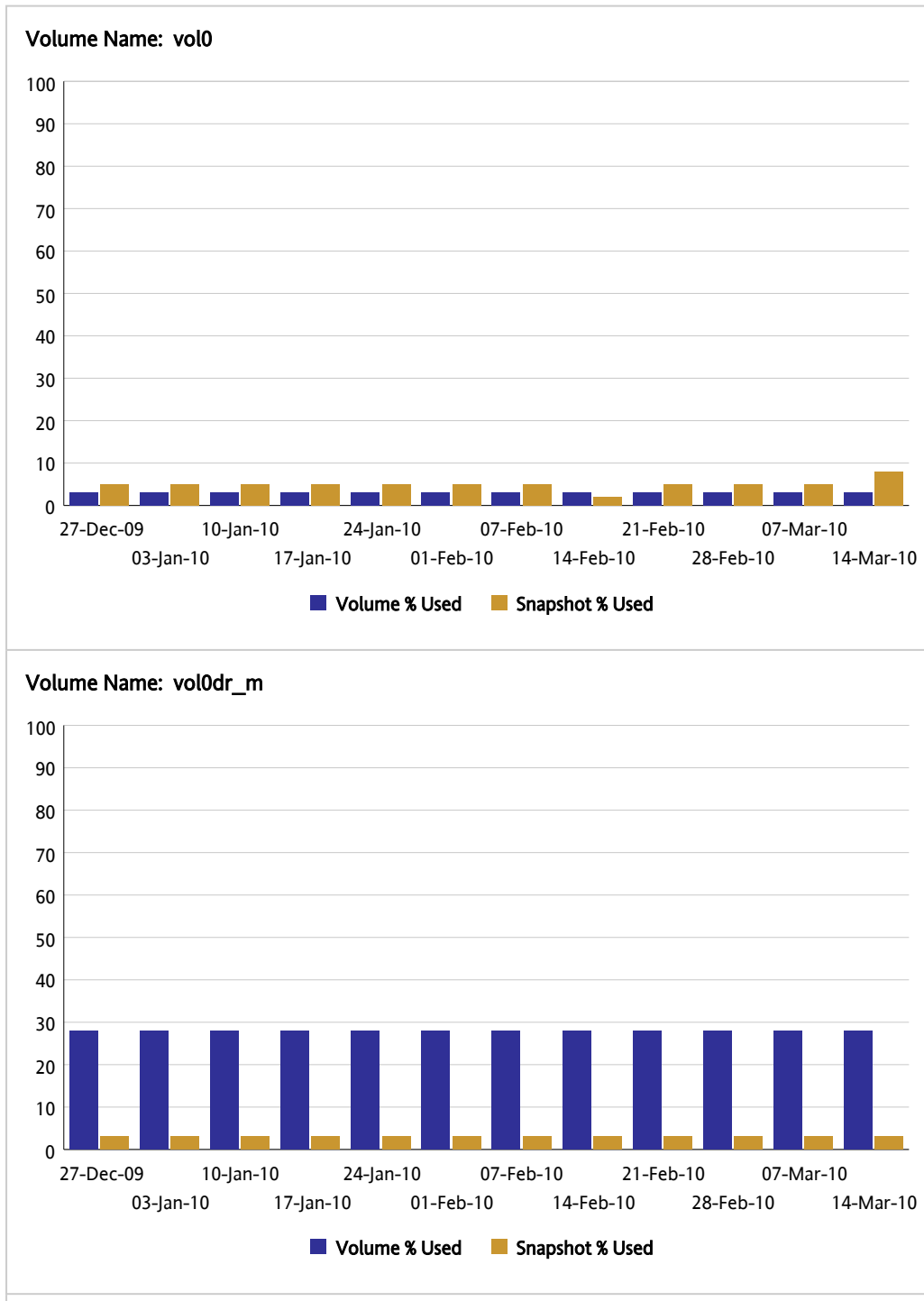
Aggregate Usage Summary

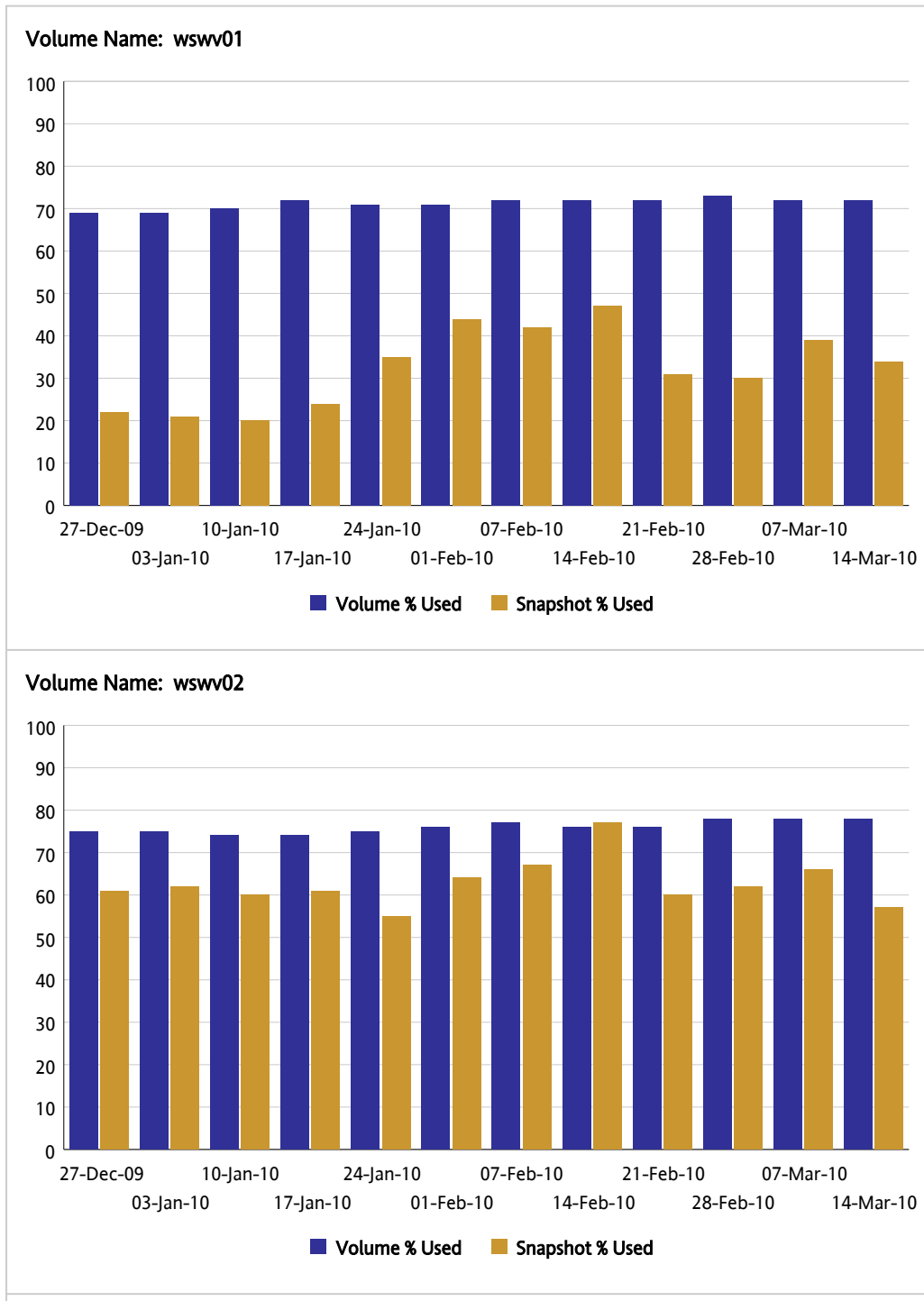
Aggregate Name	Total GB	Used GB	Free GB	Used %	Free %
aggr0	227.00	62.00	165.00	27.00 %	73.00 %
aggr1	3,633.00	2,425.00	1,208.00	67.00 %	33.00 %

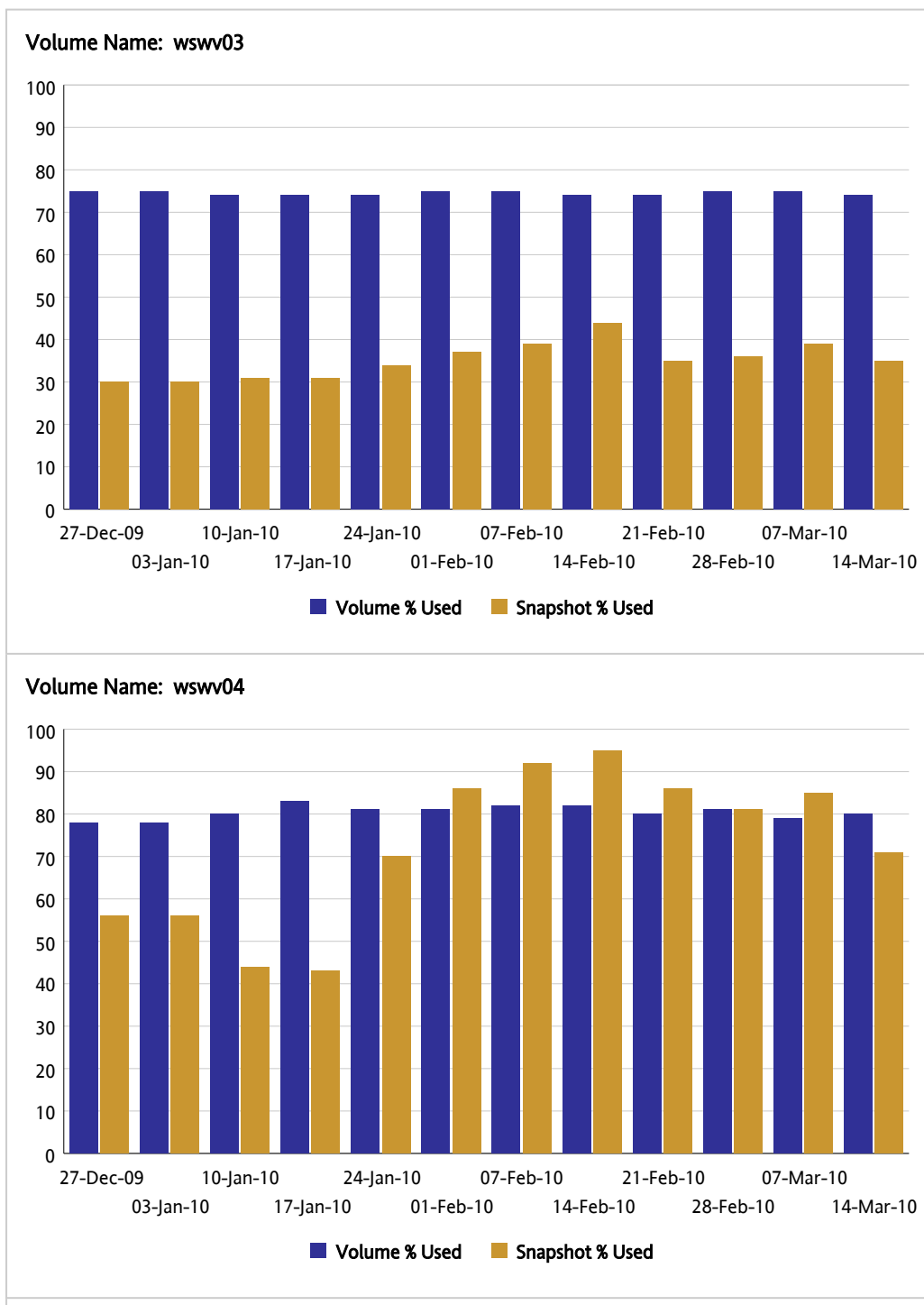
Volume Usage Summary

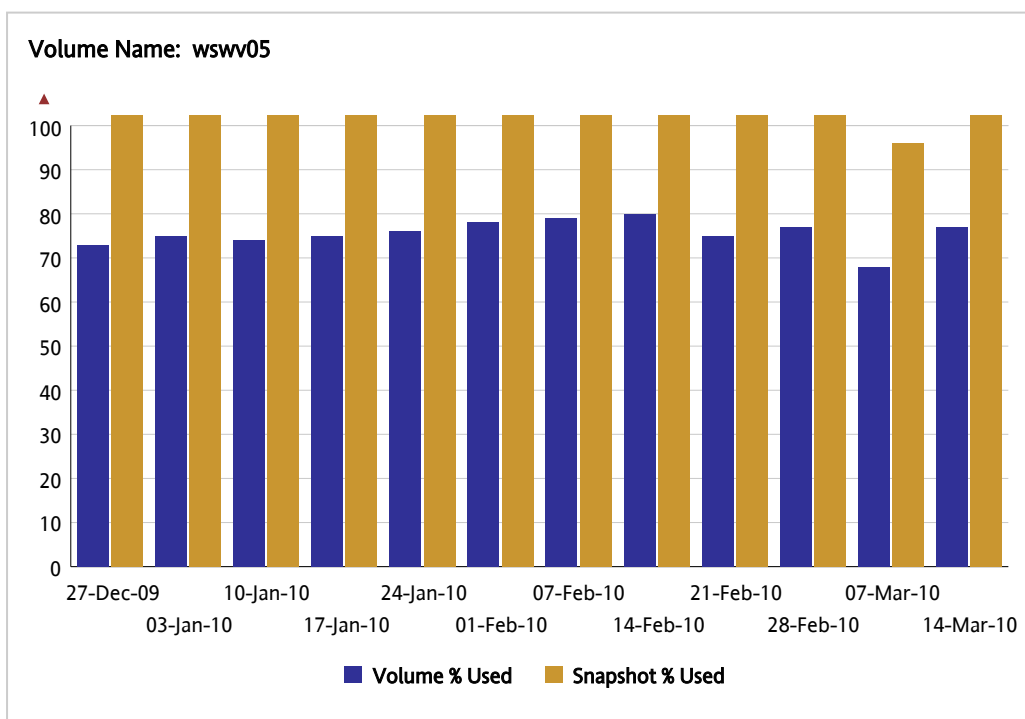
Aggregate Name	Volume Name	Volume Type	Volume State	Total GB	Used GB	Free GB	Used %	Inode Used %
aggr0	vol0	FLEX	ONLINE	40.00	1.00	38.74	3.00 %	0.00 %
	vol0dr_m	FLEX	ONLINE	40.00	11.00	28.87	28.00 %	0.00 %
aggr1	wswv01	FLEX	ONLINE	532.80	386.00	147.15	72.00 %	3.00 %
	wswv02	FLEX	ONLINE	532.80	415.00	117.99	78.00 %	4.00 %
	wswv03	FLEX	ONLINE	532.80	395.00	137.77	74.00 %	5.00 %
	wswv04	FLEX	ONLINE	528.00	423.00	104.54	80.00 %	4.00 %
	wswv05	FLEX	ONLINE	532.80	412.00	120.56	77.00 %	2.00 %

Disk Space Utilization









Qtree Status

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr0	vol0	/vol/vol0/-	NORMAL
		/vol/vol0/auditlog	NORMAL
	vol0dr_m	/vol/vol0dr_m/-	NORMAL
		/vol/vol0dr_m/auditlog	NORMAL
aggr1	wswv01	/vol/wswv01/-	NORMAL
		/vol/wswv01/Administration	NORMAL
		/vol/wswv01/Audit	NORMAL
		/vol/wswv01/Audyt_HRCBS	NORMAL
		/vol/wswv01/Business_Cards	NORMAL
		/vol/wswv01/CIBTech_MIS	NORMAL
		/vol/wswv01/CIPLC_COE	NORMAL
		/vol/wswv01/CMGT	NORMAL
		/vol/wswv01/COE	NORMAL
		/vol/wswv01/CitiBusiness_Raporty	NORMAL
		/vol/wswv01/DBI	NORMAL
		/vol/wswv01/Dist_Sched	NORMAL
		/vol/wswv01/DublinOps_Poland	NORMAL
		/vol/wswv01/Eldo	NORMAL
		/vol/wswv01/Eldo_Test	NORMAL
		/vol/wswv01/FIQR	NORMAL

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr1	wswv01	/vol/wswv01/HPUNIX_SATS	NORMAL
		/vol/wswv01/Marketing_SME	NORMAL
		/vol/wswv01/NRB	NORMAL
		/vol/wswv01/OpBT	NORMAL
		/vol/wswv01/OpTech_Managers	NORMAL
		/vol/wswv01/PORTO	NORMAL
		/vol/wswv01/Quality	NORMAL
		/vol/wswv01/RISK_MIS	NORMAL
		/vol/wswv01/Risk_Mgmt_Sector	NORMAL
	wswv02	/vol/wswv02/-	NORMAL
		/vol/wswv02/COMPLIANCE	NORMAL
		/vol/wswv02/Citiwomen	NORMAL
		/vol/wswv02/Custody	NORMAL
		/vol/wswv02/Custody_Oth	NORMAL
		/vol/wswv02/DRW	NORMAL
		/vol/wswv02/DRW_Oth	NORMAL
		/vol/wswv02/Depts	NORMAL
		/vol/wswv02/GTS	NORMAL
		/vol/wswv02/HR	NORMAL
		/vol/wswv02/HR_TETA	NORMAL
		/vol/wswv02/LPU	NORMAL
		/vol/wswv02/NostroRec	NORMAL
		/vol/wswv02/RESTR	NORMAL
		/vol/wswv02/RiskMgmt	NORMAL
		/vol/wswv02/SMEMarket	NORMAL
		/vol/wswv02/TROPS	NORMAL
		/vol/wswv02/WRDC_CC	NORMAL
	wswv03	/vol/wswv03/-	NORMAL
		/vol/wswv03/3BranchQT03	NORMAL
		/vol/wswv03/AML	NORMAL
		/vol/wswv03/BIIB	NORMAL
		/vol/wswv03/BODiFH	NORMAL
		/vol/wswv03/BRiW	NORMAL
		/vol/wswv03/BSS_GCB	NORMAL
		/vol/wswv03/CEE_Investor	NORMAL
		/vol/wswv03/CF	NORMAL
		/vol/wswv03/CIBISAIX	NORMAL
		/vol/wswv03/CitiInsurance	NORMAL
		/vol/wswv03/CommBank	NORMAL
		/vol/wswv03/DC	NORMAL

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr1	wswv03	/vol/wswv03/DOK	NORMAL
		/vol/wswv03/ELC	NORMAL
		/vol/wswv03/FI	NORMAL
		/vol/wswv03/Kontrola_Dostepu	NORMAL
		/vol/wswv03/Legal	NORMAL
		/vol/wswv03/MRISK	NORMAL
		/vol/wswv03/Projects_Coordination	NORMAL
		/vol/wswv03/Restrukturyzacja	NORMAL
		/vol/wswv03/SOP	NORMAL
		/vol/wswv03/Shares	NORMAL
		/vol/wswv03/Sodexho	NORMAL
		/vol/wswv03/TREASURY	NORMAL
		/vol/wswv03/Technology	NORMAL
		/vol/wswv03/USGAAP	NORMAL
		/vol/wswv03/X-Sell	NORMAL
		/vol/wswv03/XML_converter	NORMAL
		/vol/wswv03/XferSrv	NORMAL
		/vol/wswv03/ZASIT	NORMAL
	wswv04	/vol/wswv04/-	NORMAL
		/vol/wswv04/BRIWMP	NORMAL
		/vol/wswv04/CBS	NORMAL
		/vol/wswv04/DMBH	NORMAL
		/vol/wswv04/EMEA_AML	NORMAL
		/vol/wswv04/ISA	NORMAL
		/vol/wswv04/MISCEE	NORMAL
		/vol/wswv04/NS	NORMAL
		/vol/wswv04/Talent_Mgmt	NORMAL
	wswv05	/vol/wswv05/-	NORMAL
		/vol/wswv05/Calm_TreasuryPC	NORMAL
		/vol/wswv05/FG_Recon	NORMAL
		/vol/wswv05/ICU	NORMAL
		/vol/wswv05/PC	NORMAL
		/vol/wswv05/PCU	NORMAL
		/vol/wswv05/PC_MENA	NORMAL
		/vol/wswv05/PC_Region	NORMAL
		/vol/wswv05/TCU	NORMAL

There are no LUNs found for this system.

SnapMirror / SnapVault Status

SnapMirror State	Source System	Source Path	Destination System	Destination Path
SNAPMIRRORED	wswtinas201a	vol0	wswtinas202a	/vol/vol0dr_m/-
SNAPMIRRORED	wswtinas201a	wsww01	wswtinas202a	/vol/wsww01/-
SNAPMIRRORED	wswtinas201a	wsww02	wswtinas202a	/vol/wsww02/-
SNAPMIRRORED	wswtinas201a	wsww03	wswtinas202a	/vol/wsww03/-
SNAPMIRRORED	wswtinas201a	wsww04	wswtinas202a	/vol/wsww04/-
SNAPMIRRORED	wswtinas201a	wsww05	wswtinas202a	/vol/wsww05/-

Network Information

Port Name	Description	IP Address, Subnet Mask	Media Type	VIF Name	Current Interface Speed	Full Duplex	FC Setting, Negotiated	Auto-Negotiate Enabled
e0a	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev1	1,000	Full	Full Unknown	On
e0c	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev2	1,000	Full	Full Unknown	On
e0b	BGE 10/100/1000 Ethernet Controller	-					Full Unknown	
e0d	BGE 10/100/1000 Ethernet Controller	-					Full Unknown	
e4a	Dual Gigabit Ethernet Controller G20	-					Full Unknown	
e4b	Dual Gigabit Ethernet Controller G20	-					Full Unknown	

iSCSI (Internet Small Computer Systems Interface) Adapter Status

Interface Name	Interface State	Target Portal Group Name	IP Address	ISCSI Port Name
2a	ONLINE		169.162.169.73	
2b	ONLINE		169.162.169.73	

NFS (Network File System) Protocol Usage

NFS calls by Protocol:

Protocol	NFS Calls	Bad Calls	Bad Calls %
TCP	0	0	0.00%
UDP	0	0	0.00%

NFS calls by Version:

NFS Version	NFS Calls	NFS Calls %
NFSv2	0	0.00%

NFS calls by Version:

NFS Version	NFS Calls	NFS Calls %
NFSv3	0	0.00%
NFSv4	0	0.00%

CIFS (Common Internet File System): Top 5 CIFS Operations

The “CIFS Stat” command shows CIFS related statistics since the last system reboot. These statistics break down the top 5 CIFS operations.

CIFS operation	CIFS Calls	CIFS Calls %
IPC	1174145	12.00%
login	1745314	17.00%
logout	1737949	17.00%
negprot	1547852	15.00%
tconX	1776565	18.00%

MultiStore (vFiler)

vFiler Name	vFiler State	vFiler IP Space	UUID (Universal Unique ID)
vfiler0	RUNNING	default-ipspace	00000000-0000-0000-0000-000000000000

ASUP (AutoSupport) Status

ASUP Category	Value
autosupport.enable	on
autosupport.mailhost	mailhub-vip.ny.ssmb.com,mailhub-dc1.eu.ssmb.com,mailhub-dc2.eur.nsroot.net
autosupport.noteto	nas.alerts@citi.com
autosupport.support.enable	on
autosupport.support.proxy	webproxy.wlb.nsroot.net:8080
autosupport.support.to	autosupport@netapp.com
autosupport.support.transport	https
autosupport.support.url	support.netapp.com/asupprod/post/1.0/postAsup
autosupport.to	intnas.alerts@imceu.eu.ssmb.com

SYSTEM REVIEW



Host Name: wswctinas202b
Serial Number: 20004841
Last Update: 07-Mar-2010

Model: FAS3040
O/S: 7.2.5.1P6D15
Partner Name: wswctinas202a

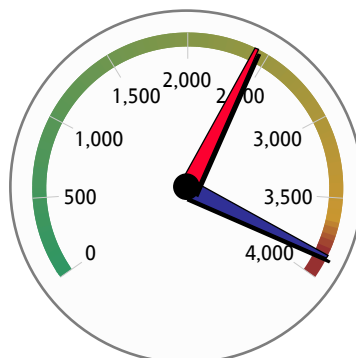
Installed Products

Product Name
A_SIS
CIFS
CLUSTER
DISK_SANITIZATION
FLEX_CLONE
ISCSI
MULTISTORE
NEARSTORE_OPTION
NFS
SNAPLOCK
SNAPMIRROR
SNAPRESTORE
SV_ONTAP_SEC

Hardware Summary

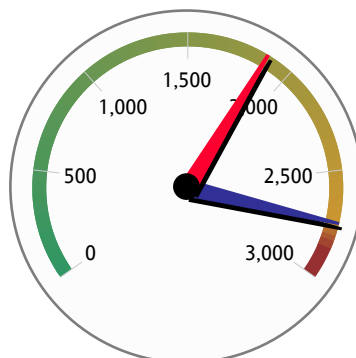
Component	Count
Shelves	2
Disk	28

Aggregate Utilization



■ Used Aggregate GB ■ Total Aggregate GB

Volume Utilization



■ Used Volume GB ■ Total Volume GB

ASUP Contact: intnas.alerts@imceu.eu.smb.com
SNMP Contact & Location: No information provided
ASUP Minimal Flag: F

System Slot Inventory

Slot Number	Part Number	Description
0	110-00057	Remote LAN Module
0		BGE 10/100/1000 Ethernet Controller
0		FC Host Adapter (QLogic 2432 rev. 2)
0		NetApp ATA/IDE Adapter
1		FC Host Adapter (LSI Logic 949E rev. A.1)
2	X2028A	SCSI Host Adapter (LSI Logic 1030 rev. 0)
3		NVRAM VI
4	X1038A	Dual Gigabit Ethernet Controller G20

Disk Summary

Disk Label	Disk Model, Disk Make	Current FW, Latest FW	Checksum Type	Disk Size GB	Disk Bytes Per Sector	Shelf Type	Disk Count
DATA	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	17
DPARITY	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	2
PARITY	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	2
SPARE	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	7
Summary							28

Shelf Summary

Shelf Type	Shelf Module Type	Latest FW	Current FW	Shelf Count
DS14-Mk4-FC	ESH4	13	13	1
DS14-Mk4-FC	ESH4	13	13	1

RAID Configuration

RAID Group Name	RAID Type	Aggregate Name	Disk Count
rg0	RAID_DP	aggr0	21
		aggr1	

Aggregate and Volume Configuration

Aggregate Name	Volume Name
aggr0	vol0
	vol0dr_m
aggr1	wswv01
	wswv02
	wswv03
	wswv04
	wswv05

Snapshot Usage Summary

Volume Name	Snapshot Count	Snapshot Schedule	Snapshot Space Reserve %	Snap Reserve Used %
vol0	27	3 22 2@13,17	20.00%	6.00%
wswv01	30	3 22 2@13,17	20.00%	69.00%
wswv02	30	3 22 2@13,17	20.00%	58.00%
wswv03	30	3 22 2@13,17	20.00%	66.00%
wswv04	30	3 22 2@13,17	20.00%	81.00%
wswv05	20	3 22 2@13,17	20.00%	109.00%
vol0dr_m	29	3 22 2@13,17	20.00%	4.00%

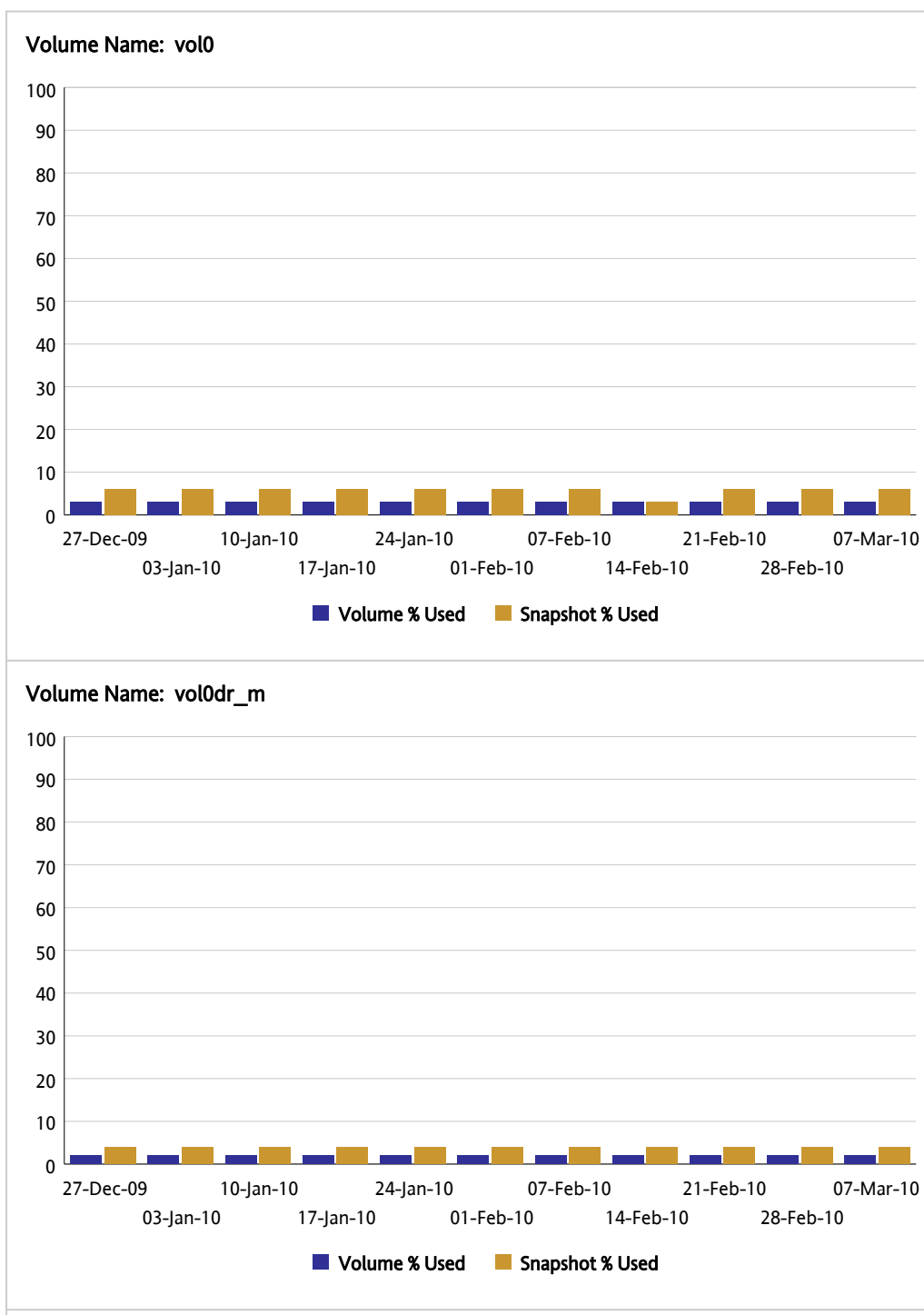
Aggregate Usage Summary

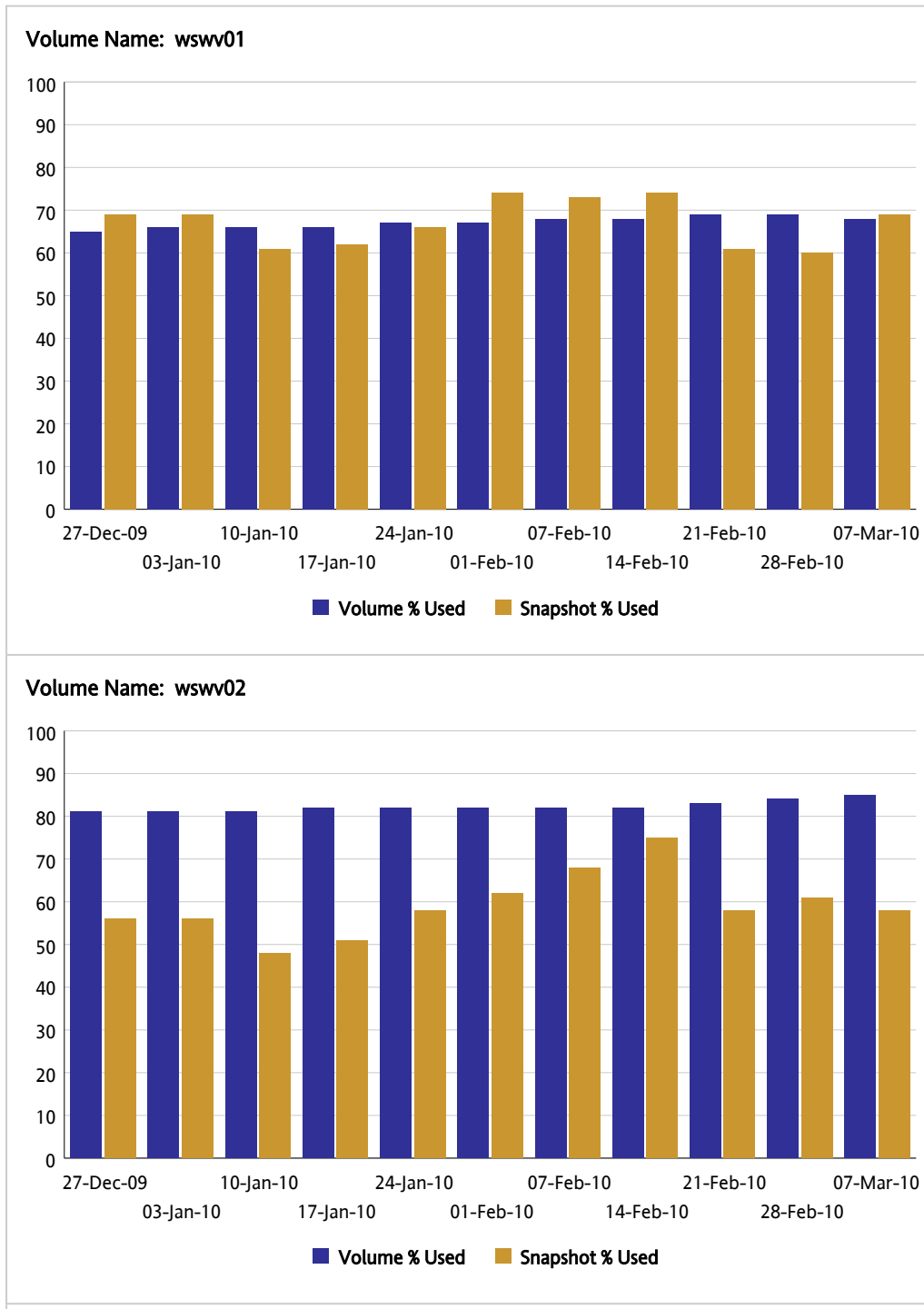
Aggregate Name	Total GB	Used GB	Free GB	Used %	Free %
aggr0	227.00	52.00	176.00	23.00 %	77.00 %
aggr1	3,633.00	2,370.00	1,264.00	65.00 %	35.00 %

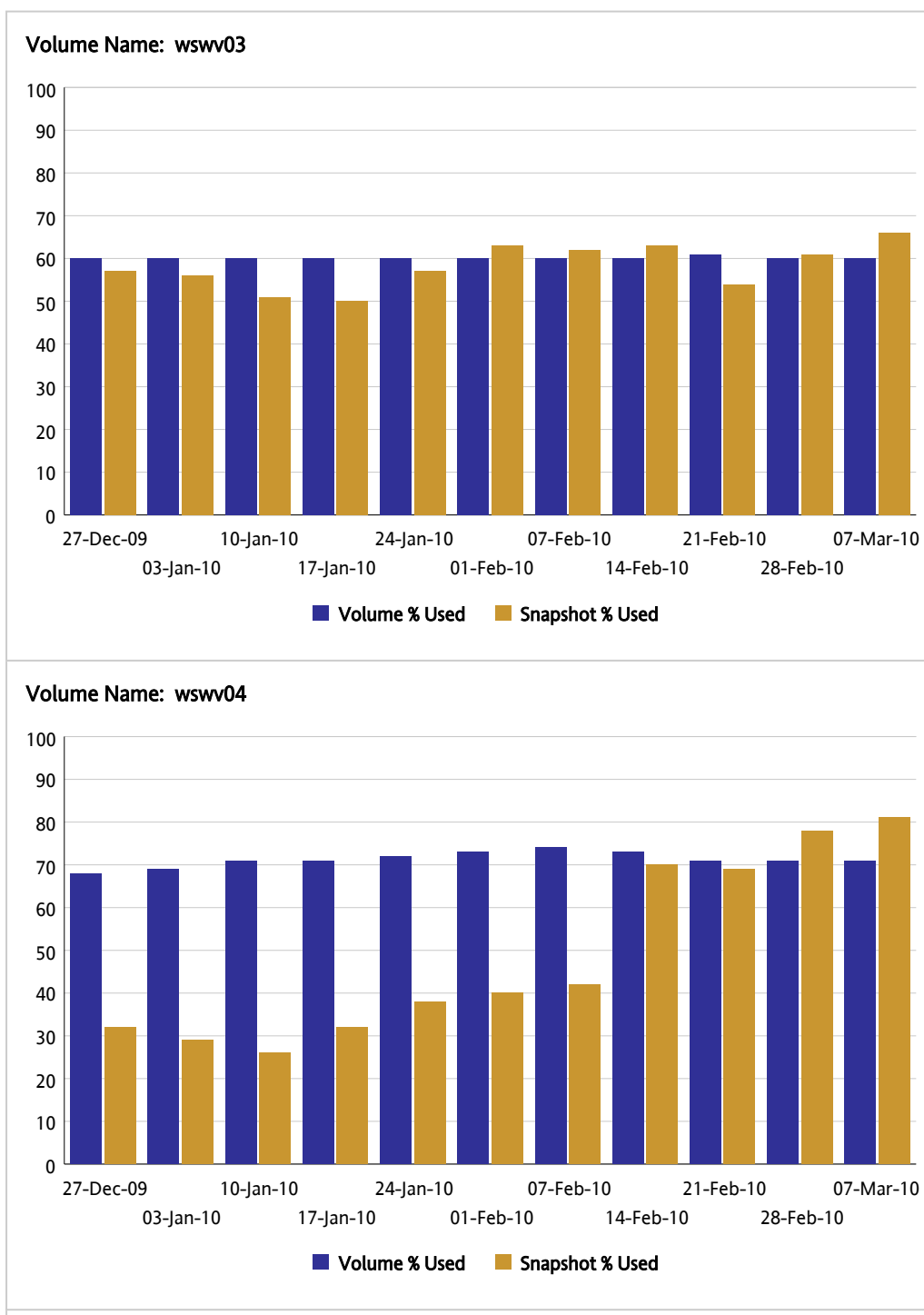
Volume Usage Summary

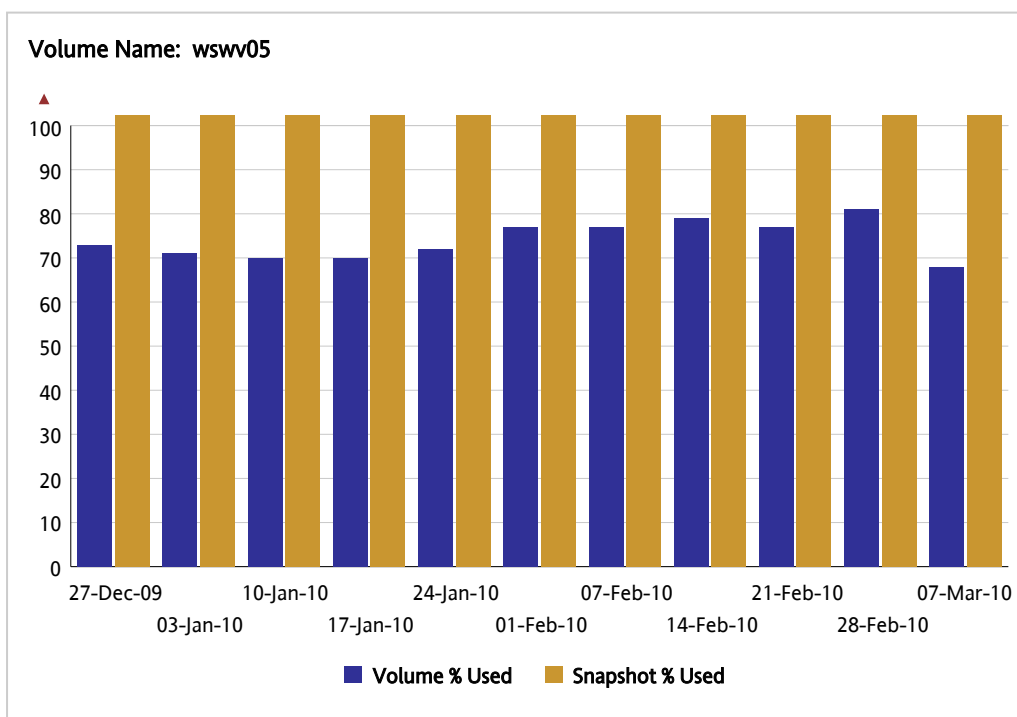
Aggregate Name	Volume Name	Volume Type	Volume State	Total GB	Used GB	Free GB	Used %	Inode Used %
aggr0	vol0	FLEX	ONLINE	40.00	1.00	38.67	3.00 %	0.00 %
	vol0dr_m	FLEX	ONLINE	40.00	1.00	39.17	2.00 %	0.00 %
aggr1	wswv01	FLEX	ONLINE	532.80	362.00	170.51	68.00 %	2.00 %
	wswv02	FLEX	ONLINE	532.80	452.00	81.27	85.00 %	3.00 %
	wswv03	FLEX	ONLINE	532.80	319.00	214.25	60.00 %	5.00 %
	wswv04	FLEX	ONLINE	528.00	377.00	151.44	71.00 %	3.00 %
	wswv05	FLEX	ONLINE	532.80	362.00	170.60	68.00 %	1.00 %

Disk Space Utilization









Qtree Status

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr0	vol0	/vol/vol0/-	NORMAL
		/vol/vol0/auditlog	NORMAL
	vol0dr_m	/vol/vol0dr_m/-	NORMAL
		/vol/vol0dr_m/auditlog	NORMAL
aggr1	wswv01	/vol/wswv01/-	NORMAL
		/vol/wswv01/AMD_Addon	NORMAL
		/vol/wswv01/AMD_E-STMT_MACRO	NORMAL
		/vol/wswv01/A_Sales_Support_Department	NORMAL
		/vol/wswv01/Agency	NORMAL
		/vol/wswv01/Agency_Makra	NORMAL
		/vol/wswv01/Agency_data_exchange	NORMAL
		/vol/wswv01/Akwizycja_Projekty	NORMAL
		/vol/wswv01/BBP_APPRAISAL	NORMAL
		/vol/wswv01/BPIW	NORMAL
		/vol/wswv01/BTE	NORMAL
		/vol/wswv01/Baza_Umow	NORMAL
		/vol/wswv01/CCD	NORMAL
		/vol/wswv01/CIPLC	NORMAL
		/vol/wswv01/CSWaw	NORMAL
		/vol/wswv01/CTD_MasterList	NORMAL

Citigroup PL Storage Availability Audit for March 23, 2010

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr1	wswv01	/vol/wswv01/CVU_BUCO	NORMAL
		/vol/wswv01/CVU_CC2	NORMAL
		/vol/wswv01/CVU_PLUS	NORMAL
		/vol/wswv01/CashMaster_Unit	NORMAL
		/vol/wswv01/Cash_Handling	NORMAL
		/vol/wswv01/Cash_Loan	NORMAL
		/vol/wswv01/Citibusiness	NORMAL
		/vol/wswv01/Citifinancial	NORMAL
		/vol/wswv01/Claims	NORMAL
		/vol/wswv01/Coll-blk_J	NORMAL
		/vol/wswv01/Coll_control	NORMAL
		/vol/wswv01/Common	NORMAL
		/vol/wswv01/CreditMIS_Mktg	NORMAL
		/vol/wswv01/Credit_Procesess	NORMAL
		/vol/wswv01/DB_Sale	NORMAL
		/vol/wswv01/DB_Sale_Reas	NORMAL
		/vol/wswv01/DMBHDCC	NORMAL
		/vol/wswv01/DMBH_BORB	NORMAL
		/vol/wswv01/DOB_RS	NORMAL
		/vol/wswv01/DOB_Zajecia	NORMAL
		/vol/wswv01/DTS	NORMAL
		/vol/wswv01/DWH_fundusze	NORMAL
		/vol/wswv01/Distribution	NORMAL
		/vol/wswv01/ECS_Plus_UAT	NORMAL
		/vol/wswv01/ELIX_REP	NORMAL
		/vol/wswv01/Files	NORMAL
		/vol/wswv01/Fincon_Citifinancial	NORMAL
		/vol/wswv01/Fraud	NORMAL
		/vol/wswv01/Fraud_Reports	NORMAL
		/vol/wswv01/GCB_HOFF	NORMAL
		/vol/wswv01/GCB_SendCash	NORMAL
		/vol/wswv01/GCG_AML	NORMAL
		/vol/wswv01/GCG_FX_POSITION_SQR	NORMAL
		/vol/wswv01/GCG_Treasury	NORMAL
		/vol/wswv01/GF-HOFF	NORMAL
		/vol/wswv01/GIRS_WEST_EUROPE	NORMAL
		/vol/wswv01/GSC_FROF_WARSAW	NORMAL
		/vol/wswv01/Goniec	NORMAL
		/vol/wswv01/ICDS_3	NORMAL
		/vol/wswv01/IFTS	NORMAL

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr1	wswv01	/vol/wswv01/ISS	NORMAL
		/vol/wswv01/IVR_UAT	NORMAL
	wswv02	/vol/wswv02/-	NORMAL
	wswv03	/vol/wswv03/-	NORMAL
	wswv04	/vol/wswv04/-	NORMAL
	wswv05	/vol/wswv05/-	NORMAL

There are no LUNs found for this system.

SnapMirror / SnapVault Status

SnapMirror State	Source System	Source Path	Destination System	Destination Path
SNAPMIRRORED	wswctinas201b	vol0	wswctinas202b	/vol/vol0dr_m/-
SNAPMIRRORED	wswctinas201b	wswv01	wswctinas202b	/vol/wswv01/-
SNAPMIRRORED	wswctinas201b	wswv02	wswctinas202b	/vol/wswv02/-
SNAPMIRRORED	wswctinas201b	wswv03	wswctinas202b	/vol/wswv03/-
SNAPMIRRORED	wswctinas201b	wswv04	wswctinas202b	/vol/wswv04/-
SNAPMIRRORED	wswctinas201b	wswv05	wswctinas202b	/vol/wswv05/-

Network Information

Port Name	Description	IP Address, Subnet Mask	Media Type	VIF Name	Current Interface Speed	Full Duplex	FC Setting, Negotiated	Auto-Negotiate Enabled
e0a	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev4	1,000	Full	Full Unknown	On
e0c	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev5	1,000	Full	Full Unknown	On
e0b	BGE 10/100/1000 Ethernet Controller	-					Full Unknown	
e0d	BGE 10/100/1000 Ethernet Controller	-					Full Unknown	
e4a	Dual Gigabit Ethernet Controller G20	-					Full Unknown	
e4b	Dual Gigabit Ethernet Controller G20	-					Full Unknown	

iSCSI (Internet Small Computer Systems Interface) Adapter Status

Interface Name	Interface State	Target Portal Group Name	IP Address	iSCSI Port Name
2a	ONLINE		169.162.169.74	
2b	ONLINE		169.162.169.74	

NFS (Network File System) Protocol Usage

NFS calls by Protocol:

Protocol	NFS Calls	Bad Calls	Bad Calls %
TCP	0	0	0.00%
UDP	0	0	0.00%

NFS calls by Version:

NFS Version	NFS Calls	NFS Calls %
NFSv2	0	0.00%
NFSv3	0	0.00%
NFSv4	0	0.00%

CIFS (Common Internet File System): Top 5 CIFS Operations

The “CIFS Stat” command shows CIFS related statistics since the last system reboot. These statistics break down the top 5 CIFS operations.

CIFS operation	CIFS Calls	CIFS Calls %
Dfs_referral	1579006	11.00%
login	2616160	18.00%
logout	2607391	18.00%
negprot	2243410	16.00%
tconX	2645726	19.00%

MultiStore (vFiler)

vFiler Name	vFiler State	vFiler IP Space	UUID (Universal Unique ID)
vfiler0	RUNNING	default-ipspace	00000000-0000-0000-0000-000000000000

ASUP (AutoSupport) Status

ASUP Category	Value
autosupport.enable	on
autosupport.mailhost	mailhub-vip.ny.ssmb.com,mailhub-dc1.eu.ssmb.com,mailhub-dc2.eur.nsroot.net
autosupport.noteto	nas.alerts@citi.com
autosupport.support.enable	on
autosupport.support.proxy	webproxy.wlb.nsroot.net:8080
autosupport.support.to	autosupport@netapp.com
autosupport.support.transport	https
autosupport.support.url	support.netapp.com/asupprod/post/1.0/postAsup
autosupport.to	intnas.alerts@imceu.eu.ssmb.com



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