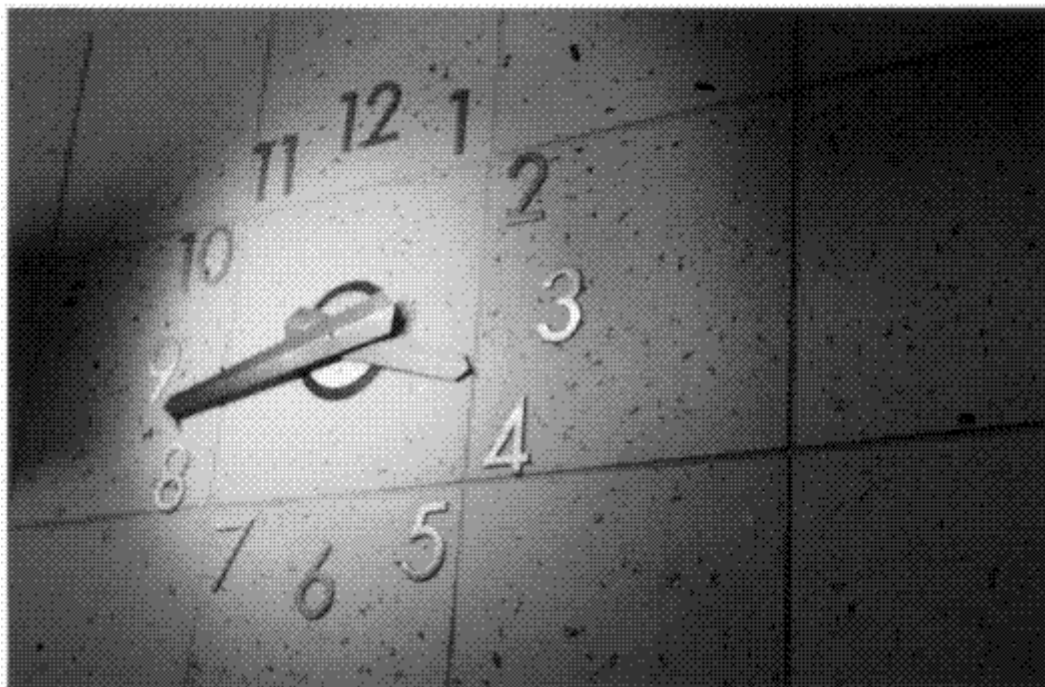




STORAGE AVAILABILITY AUDIT



Prepared for:
Customer Name: Citigroup_EMEA_PK
Date: 22-Mar-2010

Prepared by:
Contact: Myles Hook, Storage Optimisation Consultant
E-mail Address: myles.hook@netapp.com
Phone number: +447825356321

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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_EMEA_PK. 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	55.89
Total Available	12.80
Total Used	43.08
Percent Available	23%
Percent Used	77%

Down Rev Components

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

RMA Summary

Status	Count
Returns Received	0
Returns Outstanding	0

Service Contracts Summary

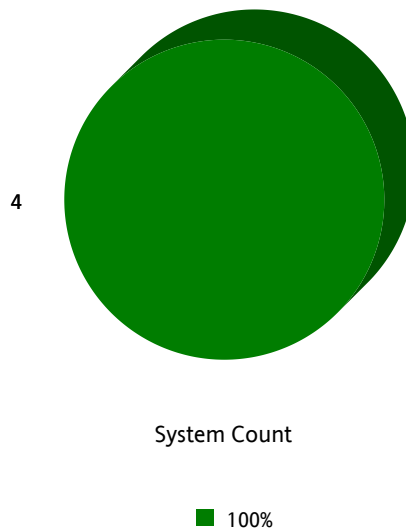
Status	Count
Open	4

Unique System Messages

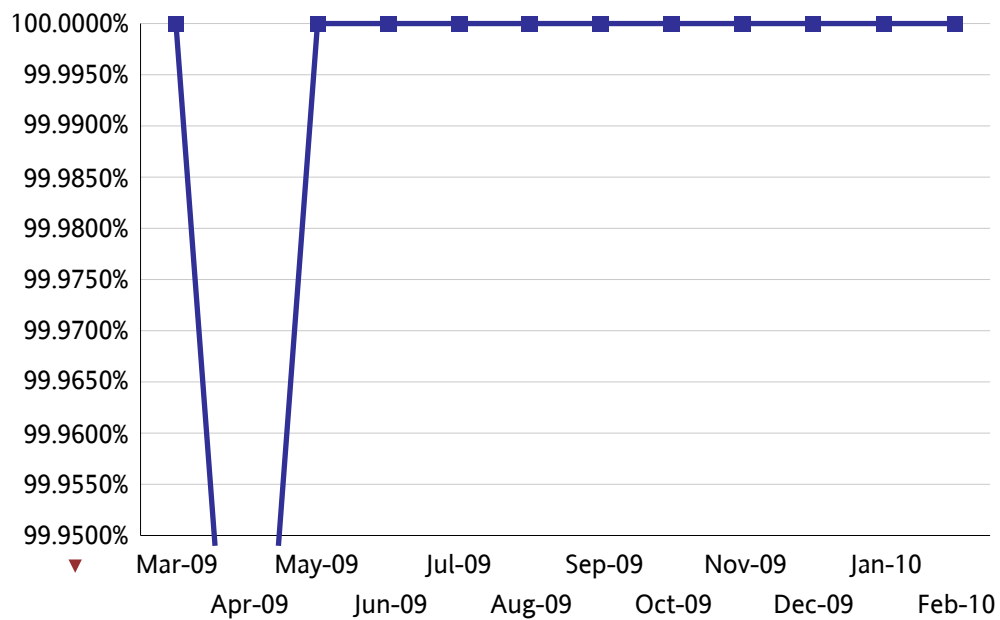
Type	Count
Recommend	4
Notice	4
Warning	4

Data Availability Summary

Current Data Availability



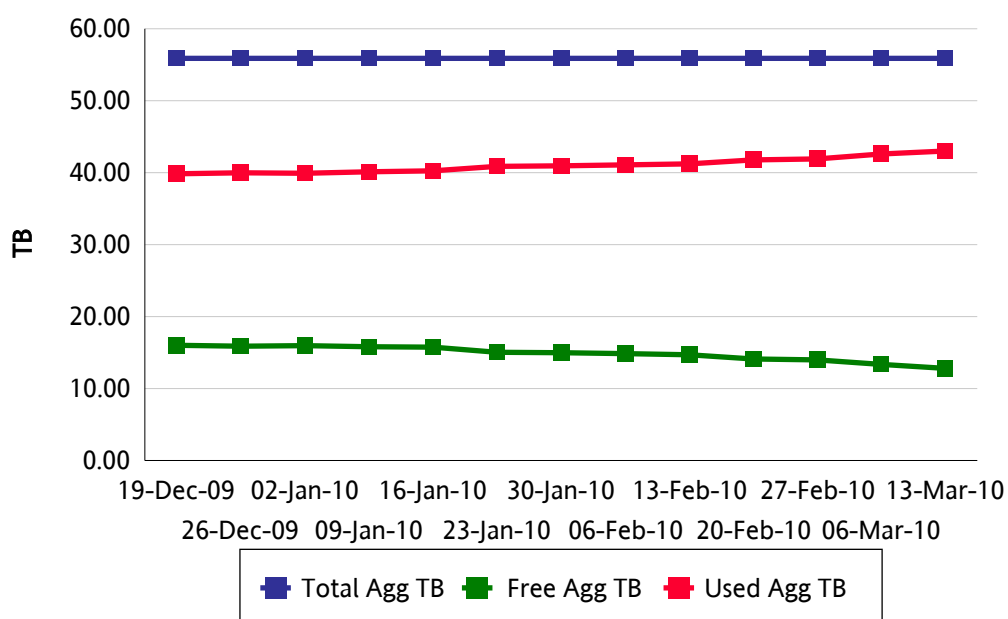
Data Availability Trends



Capacity Summary

Utilization	Systems Count	Host Name	Serial Number	% Used
> 90%	2	khictinas201a	30003866	93%
		khictinas201b	30003867	91%
50-75%	2	khictinas202a	30001777	67%
		khictinas202b	1088268	58%

Total Systems Capacity Trends



Technical Support Cases

Open Case Count

	P3	Total
Mar-09	8	8
Apr-09	1	1
Sep-09	4	4
Oct-09	2	2
Nov-09	1	1
Dec-09	4	4
Jan-10	3	3
Feb-10	1	1

Closed Case Count

	P2	P3	Total
Feb-09	1		1
Mar-09		8	8
Apr-09		1	1
Sep-09		4	4
Oct-09		2	2
Nov-09		1	1
Dec-09		4	4
Jan-10		3	3
Mar-10		1	1

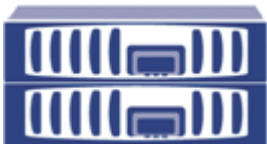
Total Days to Resolution

	P2	P3	Total
Feb-09	5		5
Mar-09		10	10
Apr-09		12	12
Sep-09		4	4
Oct-09		2	2
Nov-09		1	1
Dec-09		4	4
Jan-10		3	3
Mar-10		10	10

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	khictinas202b	1088268	13.97
	FAS3040	khictinas202a	30001777	13.97
	FAS3040	khictinas201a	30003866	13.97
	FAS3040	khictinas201b	30003867	13.97
	FILER			55.89

System Summary for systems not sending AutoSupport

There are no systems in this section

Action Points

Summary of Alerts

Component	Warning	Recommend	Notice
System	4	4	8
Disk	4	0	0
Volume	0	0	32
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	365	0	0	0	0	0	0	0	0	0	0
Total System Outages	0	9	0	0	0	0	0	0	0	0	0	0

Systems Uptime Summary: Last 3 months

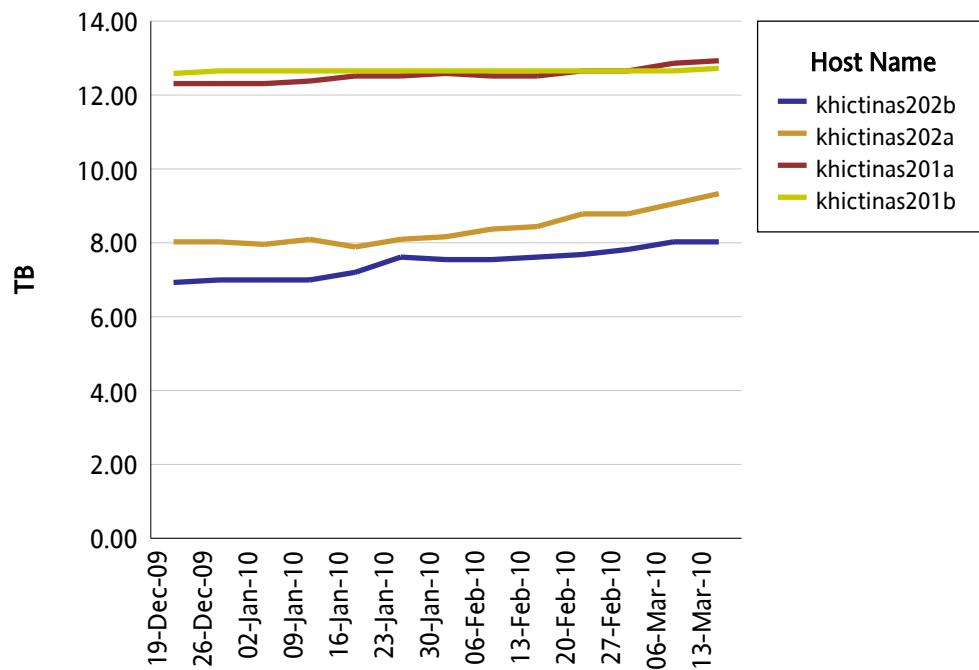
Host Name	Serial Number	Fiscal Month	Total Downtime	Total Count
KHICTINAS201A	30003866	01-Dec-2009	0	0
		01-Jan-2010	0	0
		01-Feb-2010	0	0
KHICTINAS201B	30003867	01-Dec-2009	0	0
		01-Jan-2010	0	0
		01-Feb-2010	0	0
KHICTINAS202A	30001777	01-Dec-2009	0	0
		01-Jan-2010	0	0
		01-Feb-2010	0	0
KHICTINAS202B	1088268	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
khictinas201a	30003866	170 days, 1:49	14-Mar-2010 12:03:00 AM
khictinas201b	30003867	170 days, 2:01	14-Mar-2010 12:03:00 AM
khictinas202a	30001777	84 days, 22:26	14-Mar-2010 12:03:00 AM
khictinas202b	1088268	85 days, 9:21	14-Mar-2010 11:03:00 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
khictinas201a	30003866	7.2.5.1P6D15	7.3.2
khictinas201b	30003867	7.2.5.1P6D15	7.3.2
khictinas202a	30001777	7.2.5.1P6D15	7.3.2
khictinas202b	1088268	7.2.5.1P6D15	7.3.2

Motherboard Firmware

Host Name	Serial Number	Current Firmware	Latest Firmware	Up to Date
khictinas201a	30003866	2.1.0	2.4.0	
khictinas201b	30003867	2.1.0	2.4.0	
khictinas202a	30001777	2.1.0	2.4.0	
khictinas202b	1088268	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
khictinas201a	30003866	6	DS14-Mk4-FC	ESH4	13	13	
khictinas201b	30003867	6	DS14-Mk4-FC	ESH4	13	13	
khictinas202a	30001777	6	DS14-Mk4-FC	ESH4	13	13	
khictinas202b	1088268	6	DS14-Mk4-FC	ESH4	13	13	

Disk Firmware

Host Name	Serial Number	Disk Count	Disk Model	Current Firmware	Latest Firmware	Up to Date
khictinas201a	30003866	71	X279_S15K5288F15	NA01	NA02	
		13	X279_HVPBP288F15	NA02		
khictinas201b	30003867	42	X279_HVIPB288F15	NA01	NA01	
		41	X279_S15K5288F15	NA01	NA02	
		1	X279_HVPBP288F15	NA02		
khictinas202a	30001777	29	X276_HPYTA288F10	NA03	NA04	
		53	X276_FAL9E288F10	NA05	NA05	

Citigroup_EMEA_PK Storage Availability Audit for March 22, 2010

Host Name	Serial Number	Disk Count	Disk Model	Current Firmware	Latest Firmware	Up to Date
khictinas202a	30001777	2	X276_S10K7288F10	NA07	NA07	
khictinas202b	1088268	39	X276_HPYTA288F10	NA03	NA04	
		44	X276_FAL9E288F10	NA05	NA05	
		1	X276_S10K7288F10	NA07	NA07	

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
khictinas202b	1088268	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
khictinas202a	30001777	
khictinas201a	30003866	
khictinas201b	30003867	
Type: Recommend		
khictinas202b	1088268	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
khictinas202a	30001777	
khictinas201a	30003866	
khictinas201b	30003867	
Type: Notice		
khictinas202b	1088268	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=8a8a328192edf24912cf6c04195022fa
khictinas202a	30001777	
khictinas201a	30003866	
khictinas201b	30003867	
khictinas202b	1088268	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.
khictinas202a	30001777	
khictinas201a	30003866	
khictinas201b	30003867	

Disk Level Recommendations

Type: Warning			
Host Name	Serial Number	Recommendation	Disk Count
khictinas202b	1088268	More recent firmware is available for this disk on the NOW site. After installation, it can be downloaded to the disks using the "disk_fw_update" command. The "disk_fw_update" command is available in Data ONTAP 5.3.7 and later and Net Cache OS 5.3.1 and later. http://now.netapp.com/Knowledgebase/solutionarea.asp?id=ntapcs1110 http://now.netapp.com/NOW/download/tools/diskfw/	39
khictinas202a	30001777		29
khictinas201a	30003866		71
khictinas201b	30003867		41

Volume Recommendation Level

Type: Notice

Host Name	Serial Number	Volume Name	Recommendation
khictinas202b	1088268	khictiv021	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.
		khictiv022	
		khictiv023	
		khictiv034	
khictinas202a	30001777	khictiv002	
		khictiv003	
		khictiv004	
		khictiv005	
		khictiv009	
		khictiv010	
		khictiv011	
		khictiv012	
		khictiv013	
		khictiv016	
		khictiv017	
		khictiv018	
khictinas201a	30003866	khictiv002	
		khictiv003	
		khictiv004	
		khictiv005	
		khictiv009	
		khictiv010	
		khictiv011	
		khictiv012	
		khictiv013	
		khictiv016	
		khictiv017	
		khictiv018	
khictinas201b	30003867	khictiv021	
		khictiv022	
		khictiv023	
		khictiv034	

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

Case ID	Host Name, Serial Number	Case Created Date Case Closed Date	Highest Priority, Current Priority	Description
2001176441	KHICTINAS201B 30003867	23- Nov-2009 24- Nov-2009	3 3	PWRFLT:Fault reported on disk storage shelf attached to channel 0b. Please check fans, power supplies, disks, and temperature sensor s.
2001225700	KHICTINAS201B 30003867	23- Dec-2009 24- Dec-2009	3 3	PWRFLT:Fault reported on disk storage shelf attached to channel 0b. Please check fans, power supplies, disks, and temperature sensor s.
2001209717	KHICTINAS202A 30001777	13- Dec-2009 14- Dec-2009	3 3	PWRFLT:Fault reported on disk storage shelf attached to channel 0b. Please check fans, power supplies, disks, and temperature sensor s.
2001214435	KHICTINAS202A 30001777	16- Dec-2009 17- Dec-2009	3 3	SYCNER:Cluster Notification from khictinas202a (SYSTEM CONFIGURATION WARNING) WARNING
2001245056	KHICTINAS202A 30001777	08- Jan-2010 09- Jan-2010	3 3	PWRFLT:Fault reported on disk storage shelf attached to channel 0b. Please check fans, power supplies, disks, and temperature sensor s.
2001256030	KHICTINAS202A 30001777	14- Jan-2010 15- Jan-2010	3 3	PWRFLT:Fault reported on disk storage shelf attached to channel 0b. Please check fans, power supplies, disks, and temperature sensor s.
2001325796	KHICTINAS202A 30001777	24- Feb-2010 01- Mar-2010	3 3	CHSPWR:Cluster Notification from khictinas202a (CHASSIS POWER DEGRADED: sensor PSU1 AC IN) WARNING
2001218315	KHICTINAS202B 1088268	18- Dec-2009 19- Dec-2009	3 3	SYCNER:Cluster Notification from khictinas202b (SYSTEM CONFIGURATION WARNING) WARNING
2001278002	KHICTINAS202B 1088268	27- Jan-2010 28- Jan-2010	3 3	PWRFLT:Fault reported on disk storage shelf attached to channel 0b. Please check fans, power supplies, disks, and temperature sensor s.

Service Contracts

Host Name, Serial Number	Contract Status	Contract Number	Contract Type	Service Name	Service Level	Service End date	Active
KHICTINAS202B 1088268	Open	10480133	NetApp Standard Contract	SSP All SW		30-Apr-2011	☒
		90592355	NetApp Standard Contract	Disk Support	4hr Parts Delivery	31-Mar-2011	☒
				Hardware Services	4hr Parts Delivery	31-Mar-2011	☒

Service Contracts

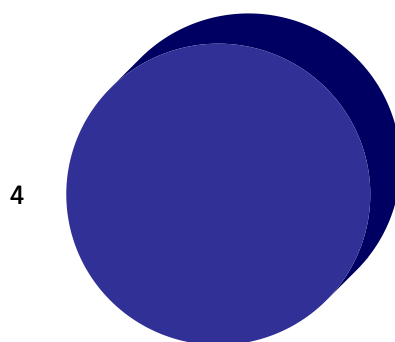
Host Name, Serial Number	Contract Status	Contract Number	Contract Type	Service Name	Service Level	Service End date	Active
KHICTINAS202B 1088268	Open	90592355	NetApp Standard Contract	SAM Audit	Semi Annual	31-Mar-2011	☒
				SW Application Sanitizer		31-Mar-2011	☒
				SW Application SnapVault Secondary		31-Mar-2011	☒
				SW Protocol CIFS		31-Mar-2011	☒
				SW Protocol Cluster		31-Mar-2011	☒
				SW Protocol MultiStore		31-Mar-2011	☒
				SW Protocol NFS		31-Mar-2011	☒
				SW Protocol SnapLock Compliance		31-Mar-2011	☒
				SW Protocol iSCSI		31-Mar-2011	☒
				SnapMirror		31-Mar-2011	☒
				SnapRestore		31-Mar-2011	☒
KHICTINAS202A 30001777	Open	10480133	NetApp Standard Contract	SSP All SW		30-Apr-2011	☒
		90592354	NetApp Standard Contract	Disk Support	4hr Parts Delivery	31-Mar-2011	☒
				Hardware Services	4hr Parts Delivery	31-Mar-2011	☒
				SAM Audit	Semi Annual	31-Mar-2011	☒
				SW Application Sanitizer		31-Mar-2011	☒
				SW Application SnapVault Secondary		31-Mar-2011	☒
				SW Protocol CIFS		31-Mar-2011	☒
				SW Protocol Cluster		31-Mar-2011	☒
				SW Protocol MultiStore		31-Mar-2011	☒
				SW Protocol NFS		31-Mar-2011	☒
				SW Protocol SnapLock Compliance		31-Mar-2011	☒
				SW Protocol iSCSI		31-Mar-2011	☒
				SnapMirror		31-Mar-2011	☒
				SnapRestore		31-Mar-2011	☒
KHICTINAS201A 30003866	Open	10480133	NetApp Standard Contract	SSP All SW		30-Apr-2011	☒
		90591755	NetApp Standard Contract	Disk Support	4hr Parts Delivery	31-Mar-2011	☒
				Hardware Services	4hr Parts Delivery	31-Mar-2011	☒

Service Contracts

Host Name, Serial Number	Contract Status	Contract Number	Contract Type	Service Name	Service Level	Service End date	Active
KHICTINAS201A 30003866	Open	90591755	NetApp Standard Contract	SAM Audit	Semi Annual	31-Mar-2011	☒
				SW Application Sanitizer		31-Mar-2011	☒
				SW Application SnapVault Secondary		31-Mar-2011	☒
				SW Protocol CIFS		31-Mar-2011	☒
				SW Protocol Cluster		31-Mar-2011	☒
				SW Protocol MultiStore		31-Mar-2011	☒
				SW Protocol NFS		31-Mar-2011	☒
				SW Protocol SnapLock Compliance		31-Mar-2011	☒
				SW Protocol iSCSI		31-Mar-2011	☒
				SnapMirror		31-Mar-2011	☒
				SnapRestore		31-Mar-2011	☒
KHICTINAS201B 30003867	Open	10480133	NetApp Standard Contract	SSP All SW		30-Apr-2011	☒
		90591753	NetApp Standard Contract	Disk Support	4hr Parts Delivery	31-Mar-2011	☒
				Hardware Services	4hr Parts Delivery	31-Mar-2011	☒
				SAM Audit	Semi Annual	31-Mar-2011	☒
				SW Application Sanitizer		31-Mar-2011	☒
				SW Application SnapVault Secondary		31-Mar-2011	☒
				SW Protocol CIFS		31-Mar-2011	☒
				SW Protocol Cluster		31-Mar-2011	☒
				SW Protocol MultiStore		31-Mar-2011	☒
				SW Protocol NFS		31-Mar-2011	☒
				SW Protocol SnapLock Compliance		31-Mar-2011	☒
				SW Protocol iSCSI		31-Mar-2011	☒
				SnapMirror		31-Mar-2011	☒
				SnapRestore		31-Mar-2011	☒

Performance Summary - CPU Utilization

Current Average CPU Utilization Systems Summary

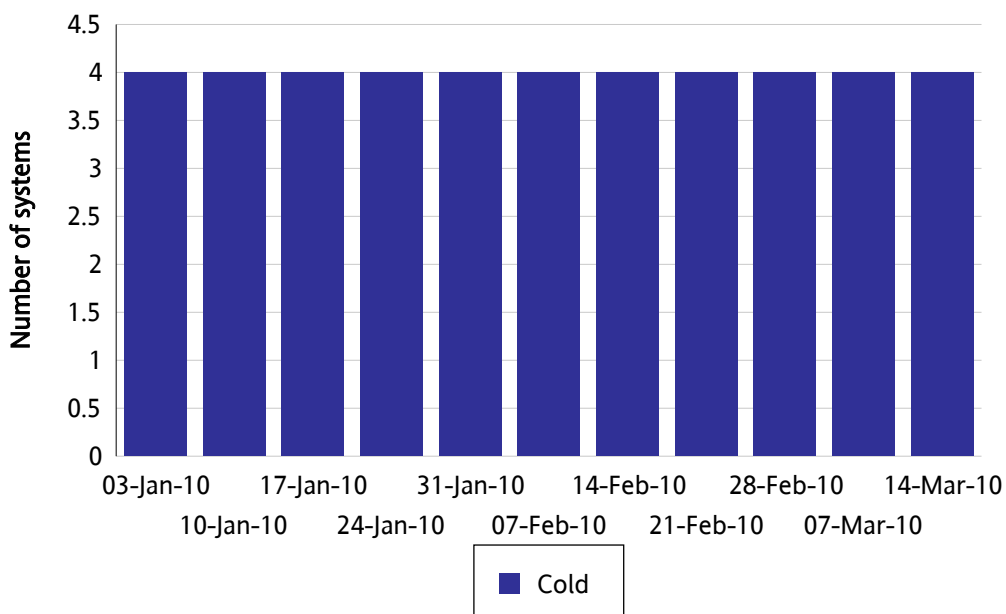


System Count



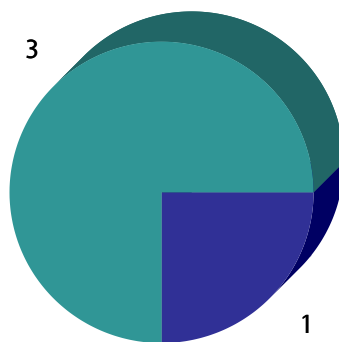
Storage systems are considered Hot when a system spends >40% of its time at >80% utilization. Heated systems spend >10% of their time at >80% utilization. Cool systems spend >50% of their time at >40% utilization. Cold is indicated when none of the previous conditions are true.

Average CPU Utilization Systems Trend



Performance Summary - Disk Utilization

Current Average Disk Utilization Systems Summary

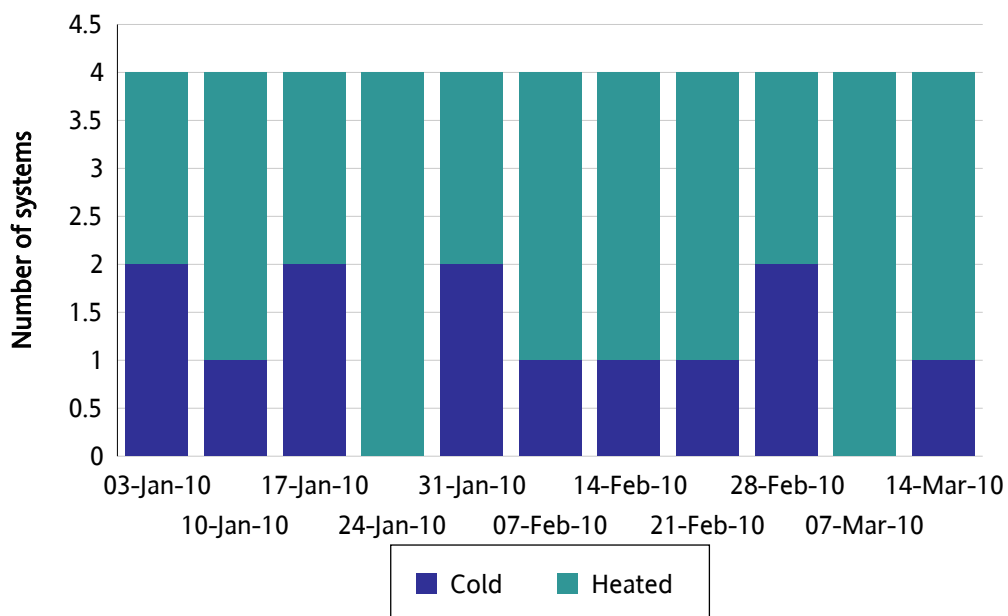


System Count



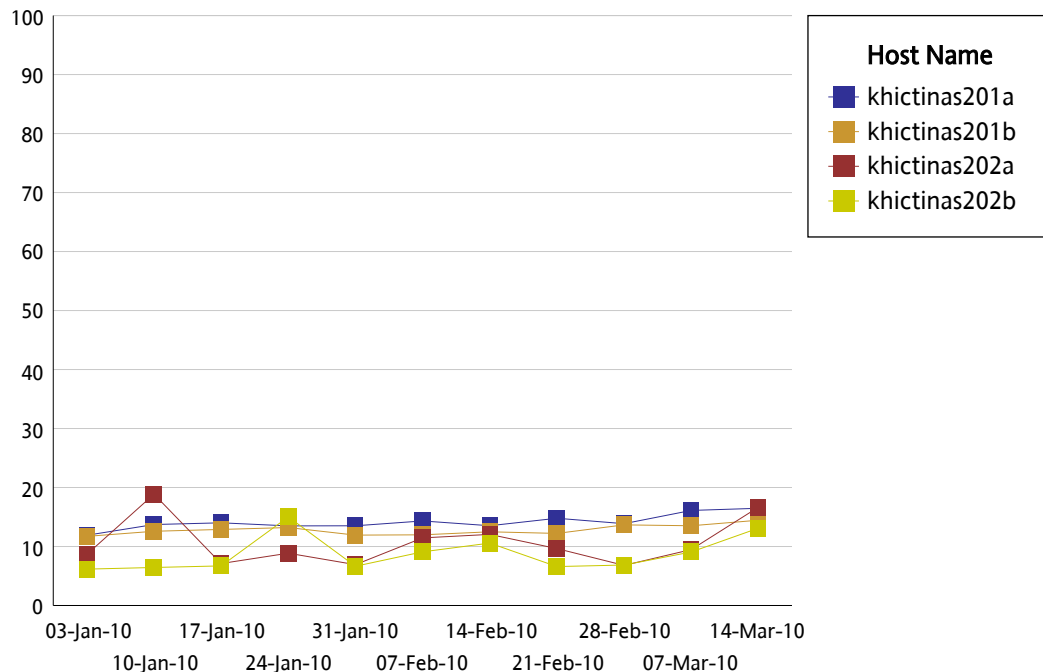
Storage systems are considered Hot when a system spends >40% of its time at >80% utilization. Heated systems spend >10% of their time at >80% utilization. Cool systems spend >50% of their time at >40% utilization. Cold is indicated when none of the previous conditions are true.

Average Disk Utilization Systems Trend

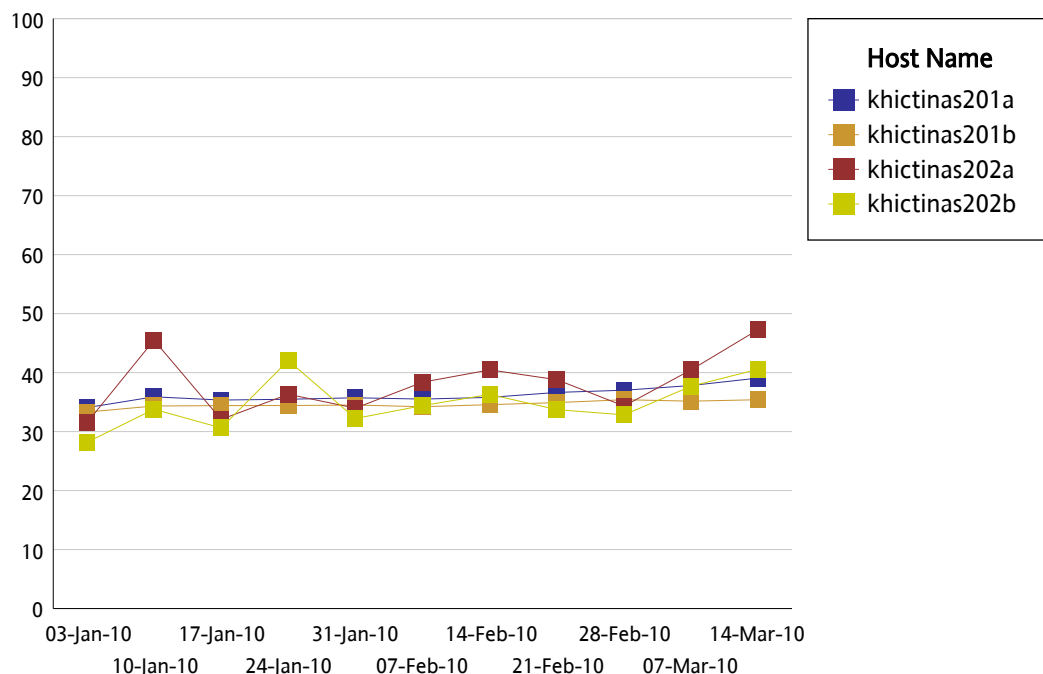


System Performance

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: khictinas202b
Serial Number: 1088268
Last Update: 14-Mar-2010

Model: FAS3040
O/S: 7.2.5.1P6D15
Partner Name: khictinas202a

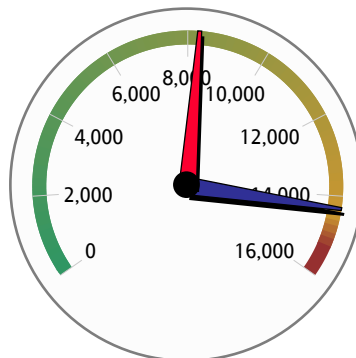
Installed Products

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

Hardware Summary

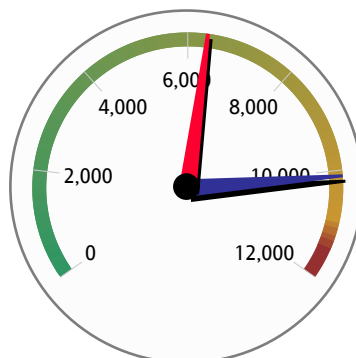
Component	Count
Shelves	6
Disk	84

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	X2054A	FC Host Adapter (QLogic 2432 rev. 3)
2		Quad 10/100/1000 Ethernet Controller G20
3		NVRAM VI

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	35
DATA	X276_HPYTA288F10 NETAPP	NA03 NA04		272.00	520	DS14-Mk4-FC	28
DPARITY	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	3
DPARITY	X276_HPYTA288F10 NETAPP	NA03 NA04		272.00	520	DS14-Mk4-FC	1
DPARITY	X276_S10K7288F10 NETAPP	NA07 NA07		272.00	520	DS14-Mk4-FC	1
PARITY	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	1
PARITY	X276_HPYTA288F10 NETAPP	NA03 NA04		272.00	520	DS14-Mk4-FC	4
SPARE	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	5
SPARE	X276_HPYTA288F10 NETAPP	NA03 NA04		272.00	520	DS14-Mk4-FC	6
Summary							84

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
DS14-Mk4-FC	ESH4	13	13	1
DS14-Mk4-FC	ESH4	13	13	1
DS14-Mk4-FC	ESH4	13	13	1

Shelf Summary

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

RAID Configuration

RAID Group Name	RAID Type	Aggregate Name	Disk Count
rg0	RAID_DP	aggr0	73
		aggr1	
		aggr2	
rg1	RAID_DP	aggr1	
		aggr2	

Aggregate and Volume Configuration

Aggregate Name	Volume Name
aggr0	khivnascti006vol0
	khivnascti007vol0
	khivnascti008vol0
	khivnascti009vol0
	khivnascti010vol0
	vol0
	vol0dr_m
aggr1	khictiv021
	khictiv022
	khictiv023
	khictiv024
	khictiv025
	khictiv026
	khictiv027
	khictiv028
	khictiv029
	khictiv030
aggr2	khictiv031
	khictiv032
	khictiv033
	khictiv034
	khictiv035

Aggregate Name	Volume Name
aggr2	khictiv036
	khictiv037
	khictiv038
	khictiv039
	khictiv040

Snapshot Usage Summary

Volume Name	Snapshot Count	Snapshot Schedule	Snapshot Space Reserve %	Snap Reserve Used %
vol0	28	2 13 13@12	20.00%	28.00%
vol0dr_m	31	2 13 13@12	20.00%	7.00%
khictiv021	23	2 13 13@0,12	25.00%	89.00%
khictiv022	27	2 13 13@0,12	25.00%	100.00%
khictiv023	19	2 13 13@0,12	25.00%	98.00%
khictiv024	33	2 13 13@0,12	25.00%	29.00%
khictiv025	30	2 13 13@0,12	25.00%	74.00%
khictiv026	30	2 13 13@0,12	25.00%	80.00%
khictiv027	30	2 13 13@0,12	25.00%	62.00%
khictiv028	30	2 13 13@0,12	25.00%	69.00%
khictiv029	30	2 13 13@0,12	25.00%	60.00%
khictiv030	30	2 13 13@0,12	25.00%	38.00%
khictiv031	30	2 13 13@0,12	25.00%	67.00%
khictiv032	30	2 13 13@0,12	25.00%	32.00%
khictiv033	30	2 13 13@0,12	25.00%	50.00%
khictiv034	30	2 13 13@0,12	25.00%	87.00%
khictiv035	30	2 13 13@0,12	25.00%	52.00%
khictiv036	30	2 13 13@0,12	25.00%	29.00%
khictiv037	30	2 13 13@0,12	25.00%	0.00%
khictiv038	30	2 13 13@0,12	25.00%	22.00%
khictiv039	30	2 13 13@0,12	25.00%	66.00%
khictiv040	30	2 13 13@0,12	25.00%	55.00%
khivnascti006vol0	33	2 13 13@0,12	20.00%	2.00%
khivnascti007vol0	31	2 13 13@0,12	20.00%	1.00%
khivnascti008vol0	31	2 13 13@0,12	20.00%	1.00%
khivnascti009vol0	31	2 13 13@0,12	20.00%	1.00%
khivnascti010vol0	31	2 13 13@0,12	20.00%	1.00%

Aggregate Usage Summary

Aggregate Name	Total GB	Used GB	Free GB	Used %	Free %
aggr0	227.00	52.00	175.00	23.00 %	77.00 %
aggr1	7,040.00	4,466.00	2,574.00	63.00 %	37.00 %
aggr2	7,040.00	3,766.00	3,274.00	53.00 %	47.00 %

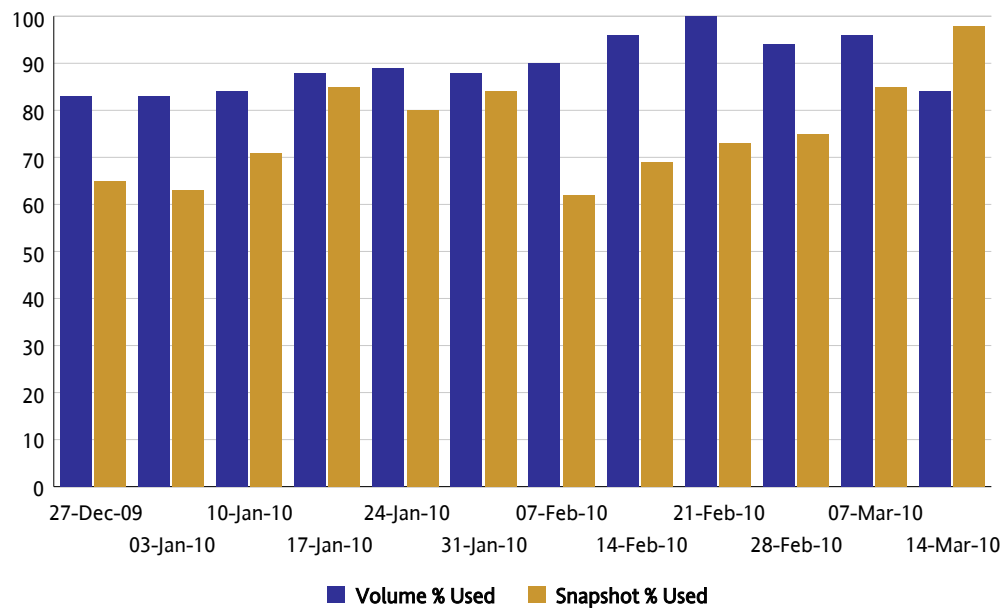
Volume Usage Summary

Aggregate Name	Volume Name	Volume Type	Volume State	Total GB	Used GB	Free GB	Used %	Inode Used %
aggr0	khivnascti006vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	khivnascti007vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	khivnascti008vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	khivnascti009vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	khivnascti010vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	vol0	FLEX	ONLINE	40.00	1.00	38.97	3.00 %	0.00 %
	vol0dr_m	FLEX	ONLINE	40.00	1.00	39.02	2.00 %	0.00 %
aggr1	khictiv021	FLEX	ONLINE	500.25	394.00	106.31	79.00 %	4.00 %
	khictiv022	FLEX	ONLINE	500.25	450.00	50.73	90.00 %	2.00 %
	khictiv023	FLEX	ONLINE	500.25	419.00	81.04	84.00 %	2.00 %
	khictiv024	FLEX	ONLINE	500.25	178.00	322.48	36.00 %	2.00 %
	khictiv025	FLEX	ONLINE	500.25	312.00	188.52	62.00 %	3.00 %
	khictiv026	FLEX	ONLINE	500.25	395.00	105.73	79.00 %	7.00 %
	khictiv027	FLEX	ONLINE	500.25	319.00	180.97	64.00 %	2.00 %
	khictiv028	FLEX	ONLINE	500.25	353.00	146.95	71.00 %	2.00 %
	khictiv029	FLEX	ONLINE	500.25	283.00	217.55	57.00 %	3.00 %
	khictiv030	FLEX	ONLINE	500.25	242.00	258.26	48.00 %	1.00 %
aggr2	khictiv031	FLEX	ONLINE	500.25	264.00	235.85	53.00 %	4.00 %
	khictiv032	FLEX	ONLINE	500.25	222.00	277.92	44.00 %	1.00 %
	khictiv033	FLEX	ONLINE	500.25	262.00	238.35	52.00 %	3.00 %
	khictiv034	FLEX	ONLINE	500.25	315.00	185.13	63.00 %	7.00 %
	khictiv035	FLEX	ONLINE	500.25	218.00	282.20	44.00 %	4.00 %
	khictiv036	FLEX	ONLINE	500.25	137.00	363.01	27.00 %	2.00 %
	khictiv037	FLEX	ONLINE	500.25	346.00	153.84	69.00 %	2.00 %
	khictiv038	FLEX	ONLINE	500.25	409.00	91.63	82.00 %	1.00 %
	khictiv039	FLEX	ONLINE	500.25	423.00	77.46	85.00 %	14.00 %
	khictiv040	FLEX	ONLINE	500.25	417.00	83.21	83.00 %	11.00 %

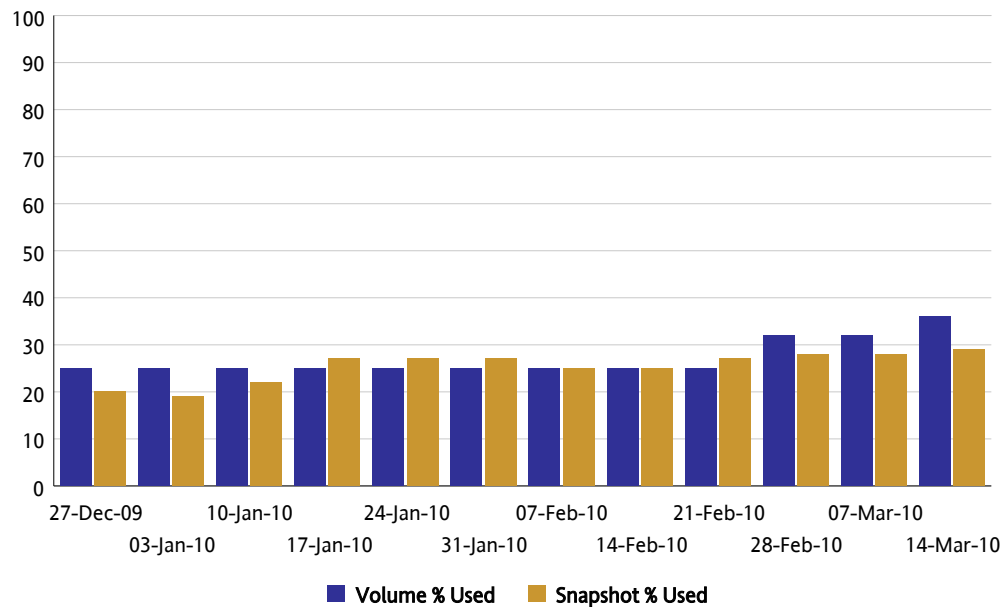
Disk Space Utilization



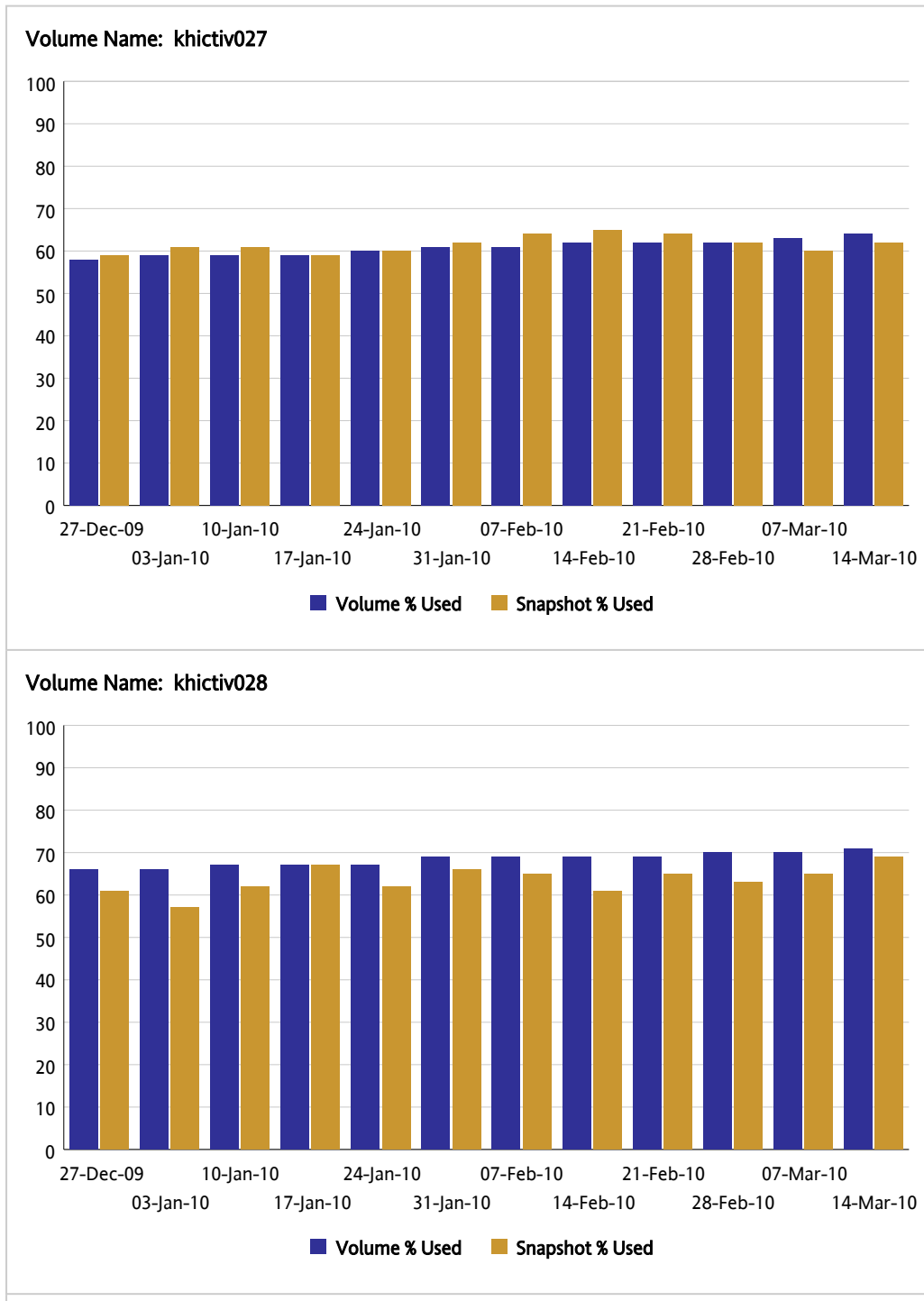
Volume Name: khictiv023

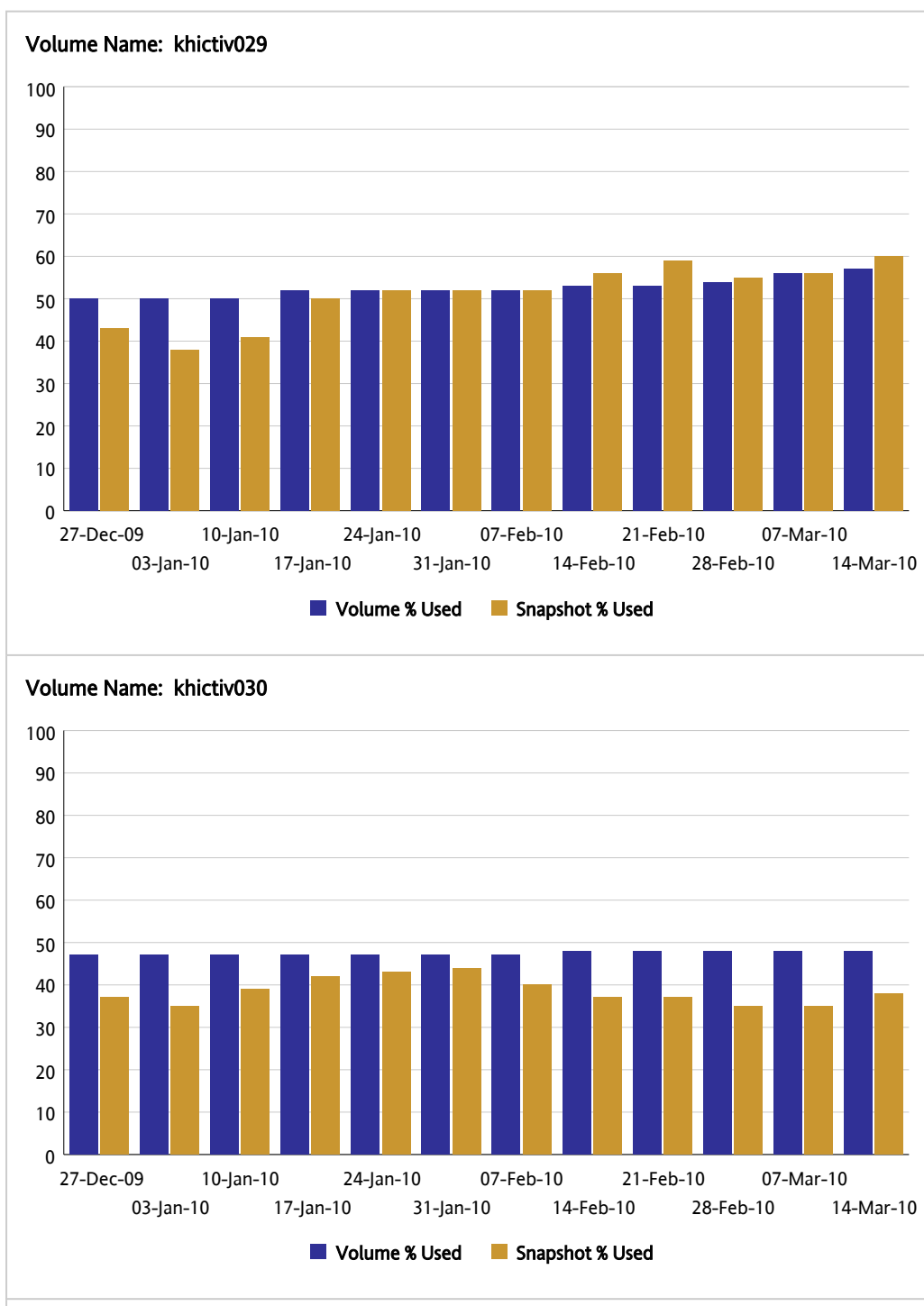


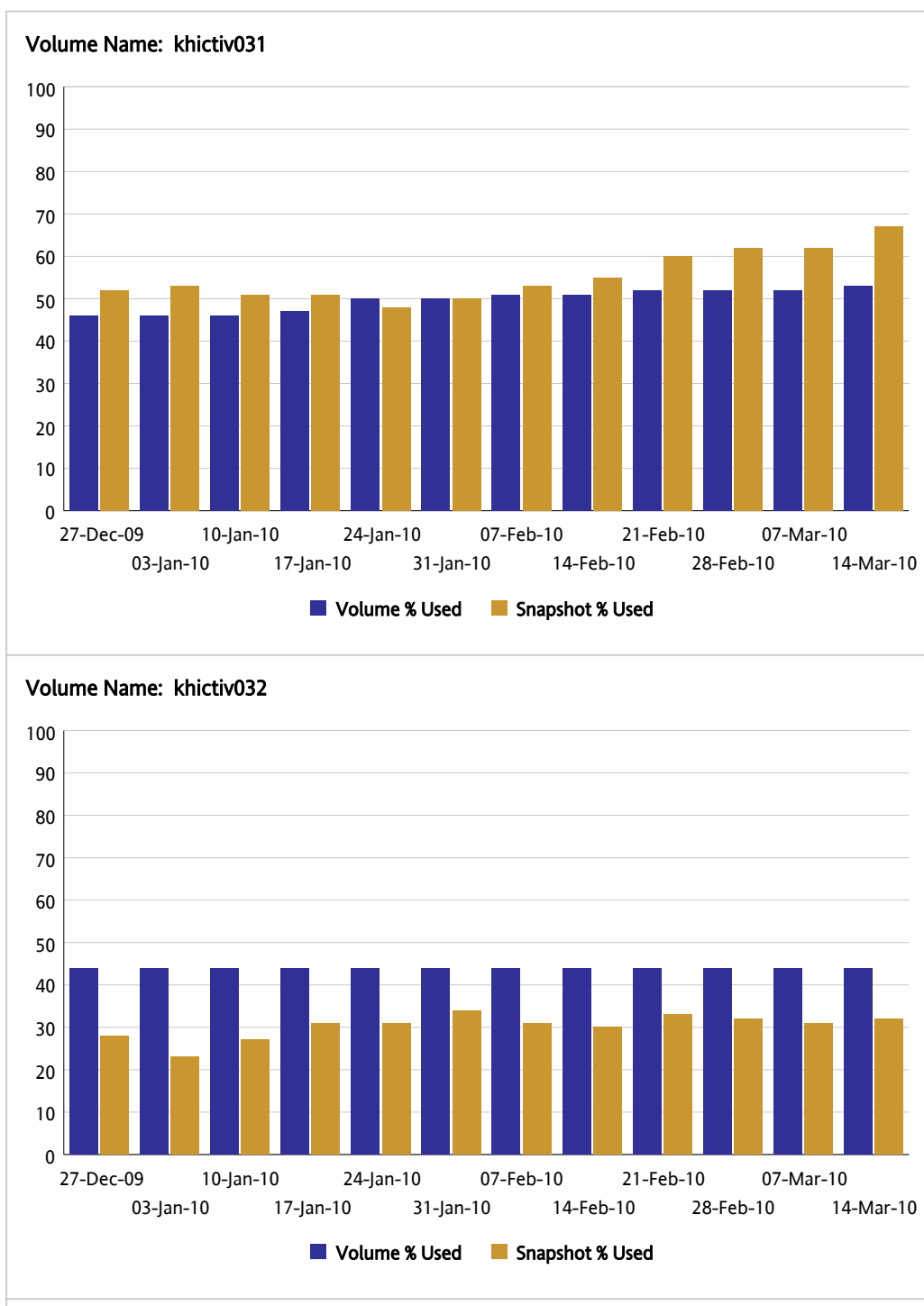
Volume Name: khictiv024

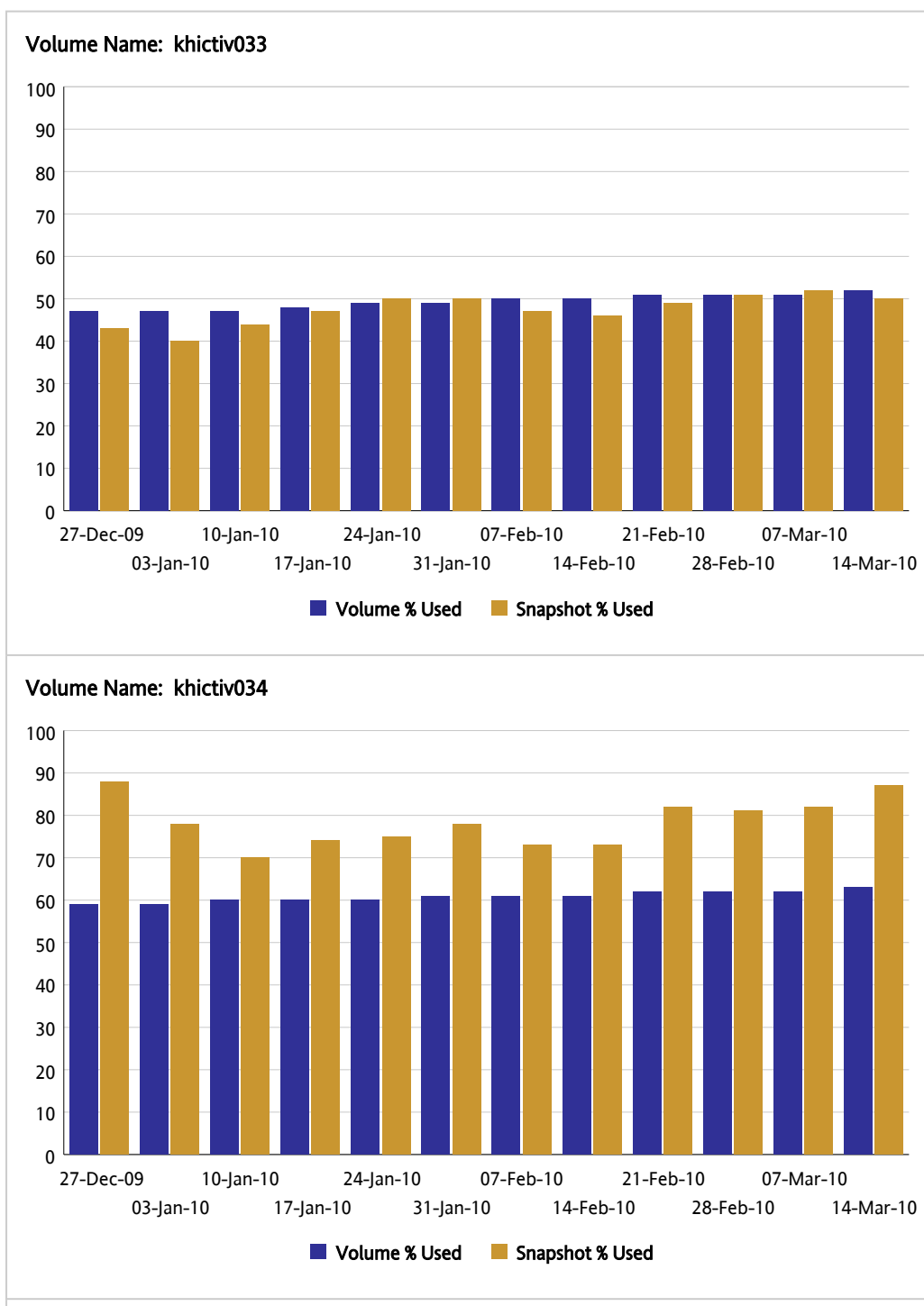


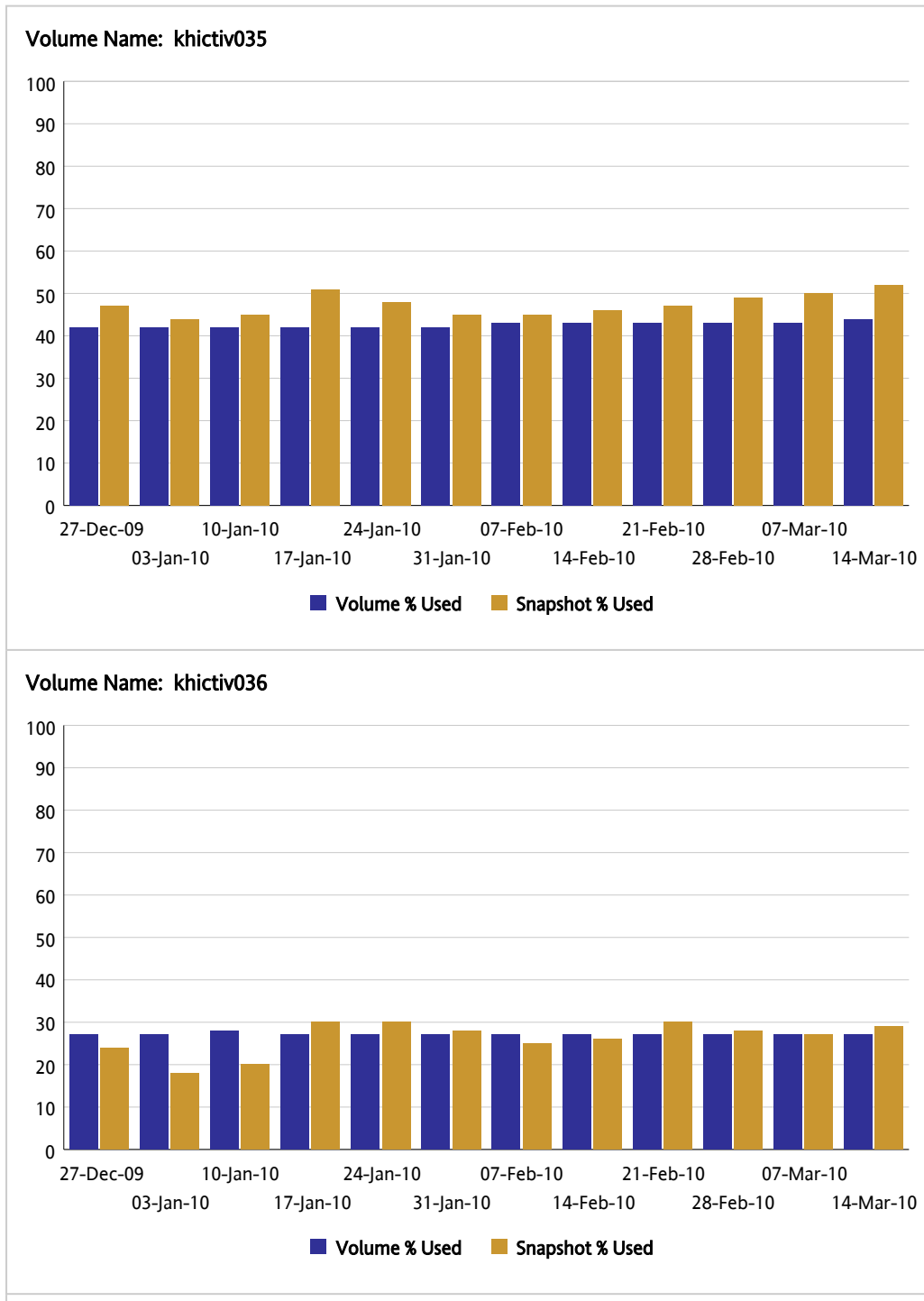


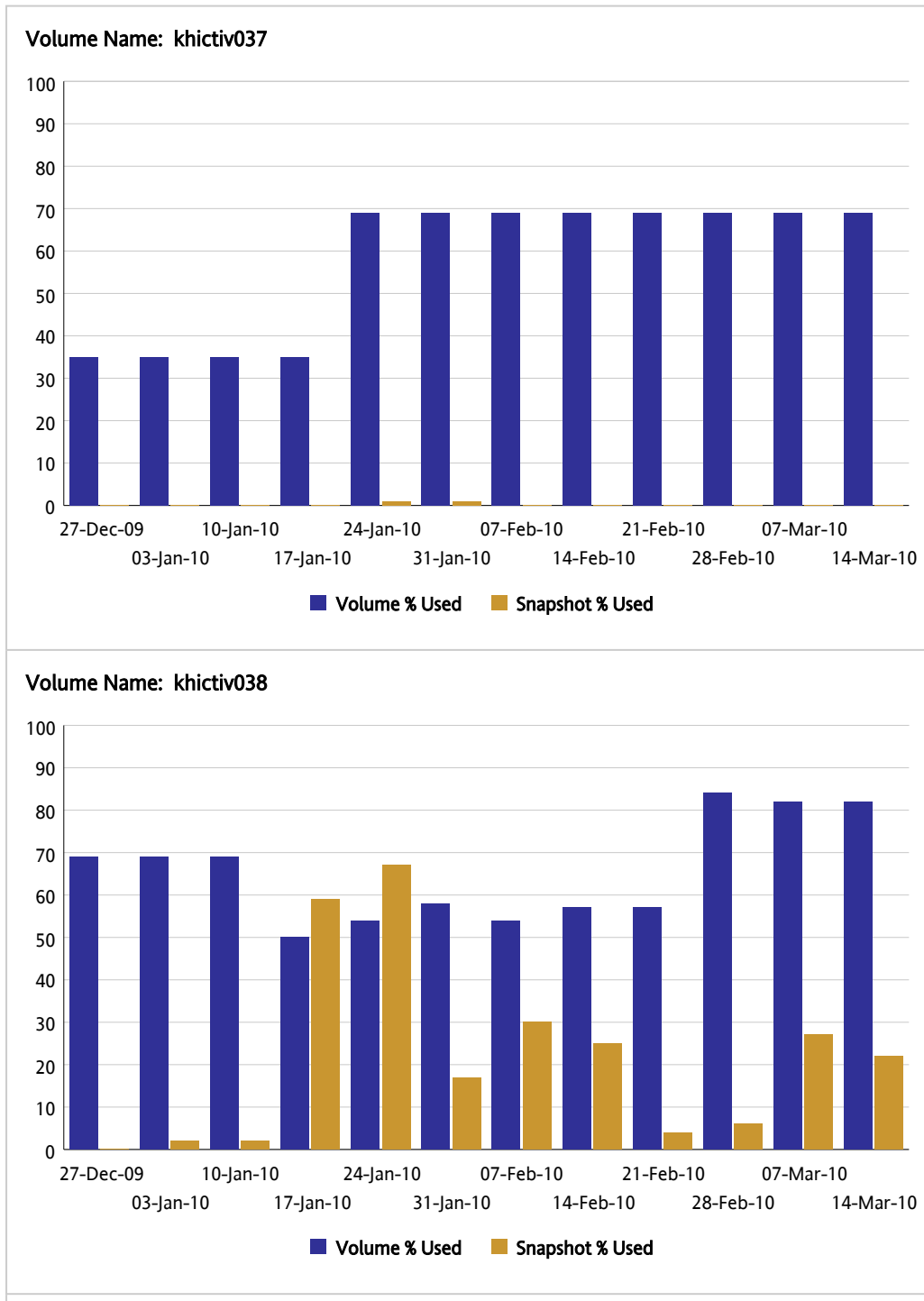


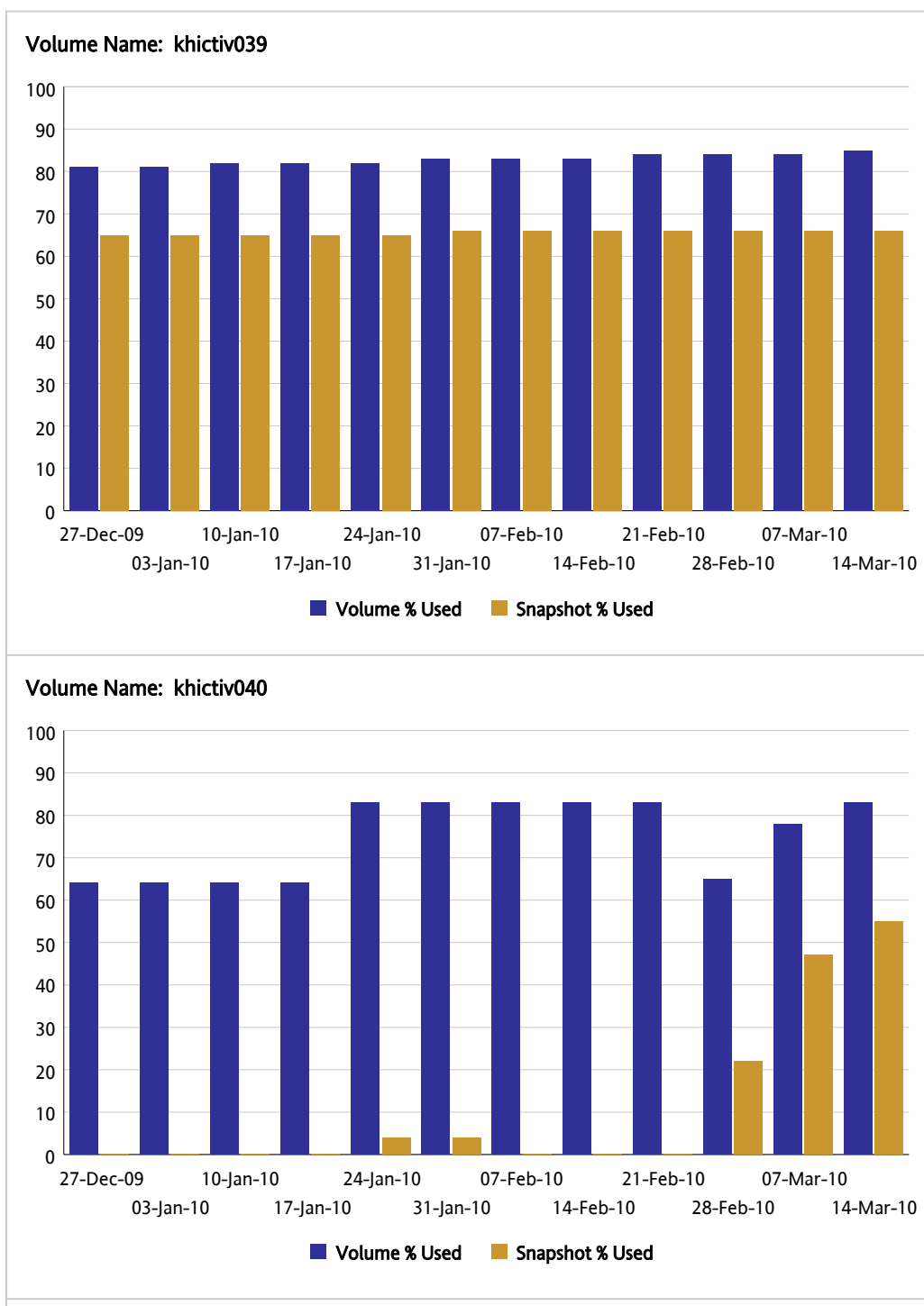




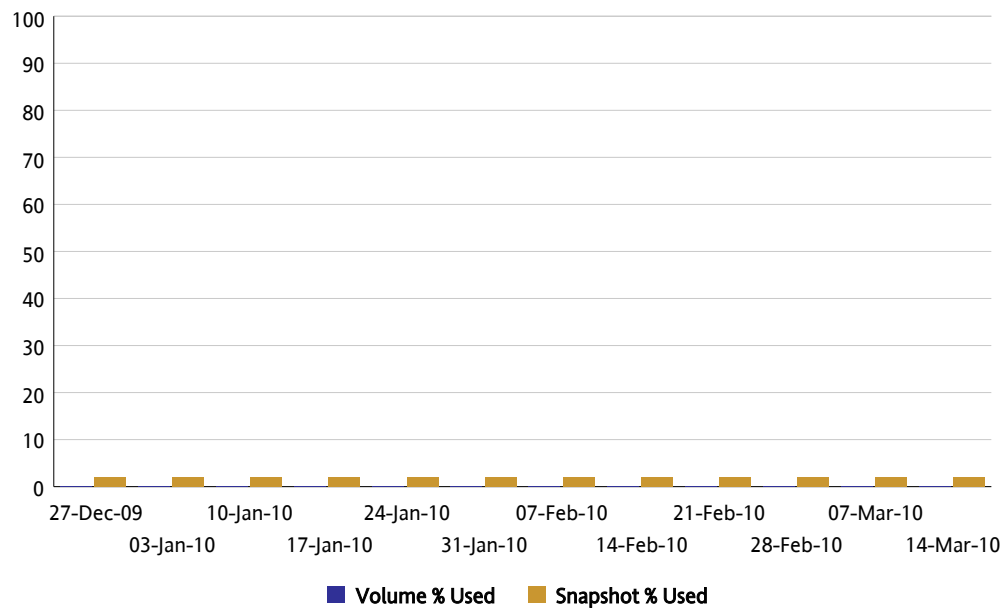




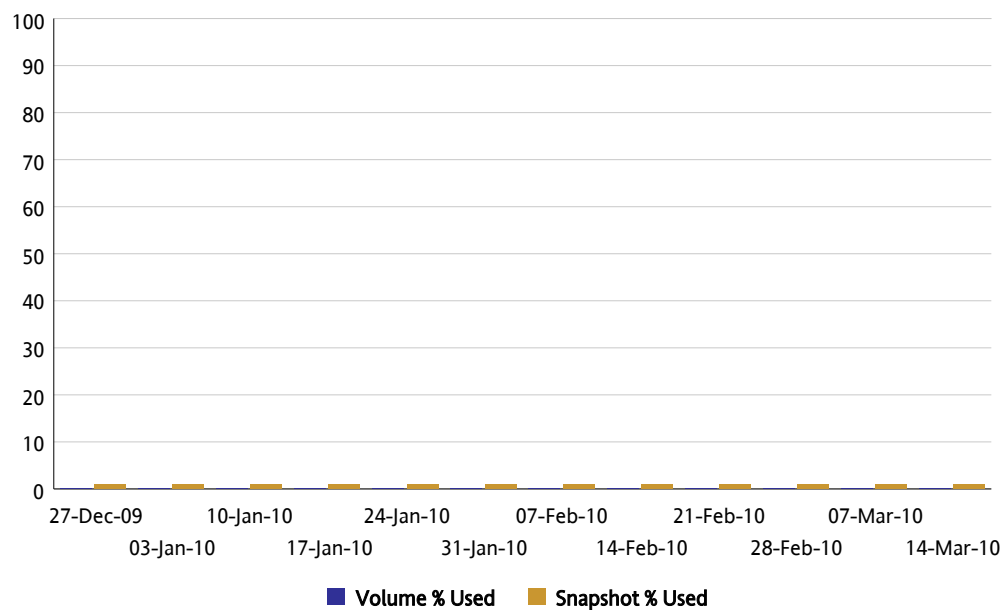




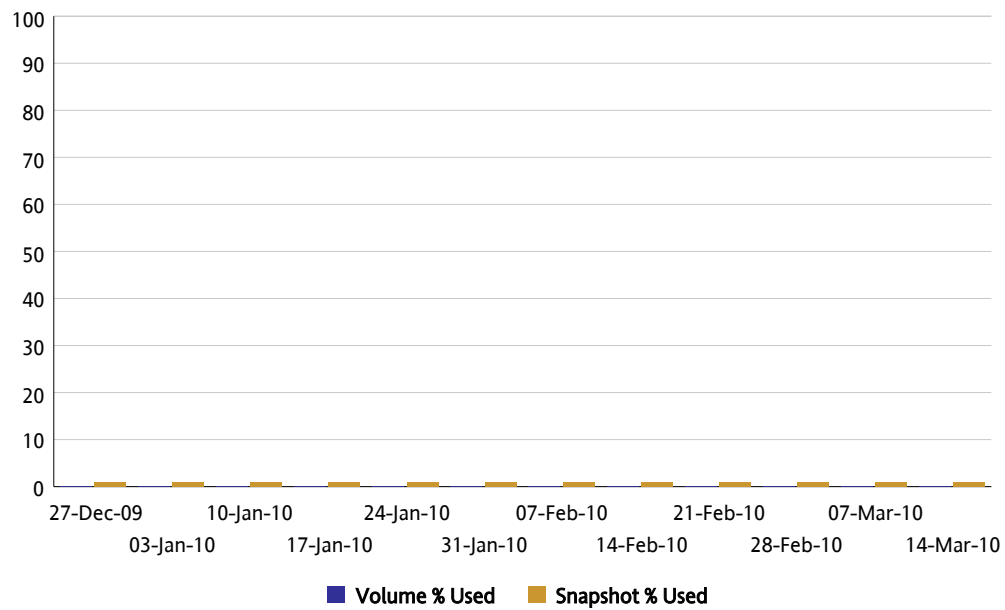
Volume Name: khivnascti006vol0



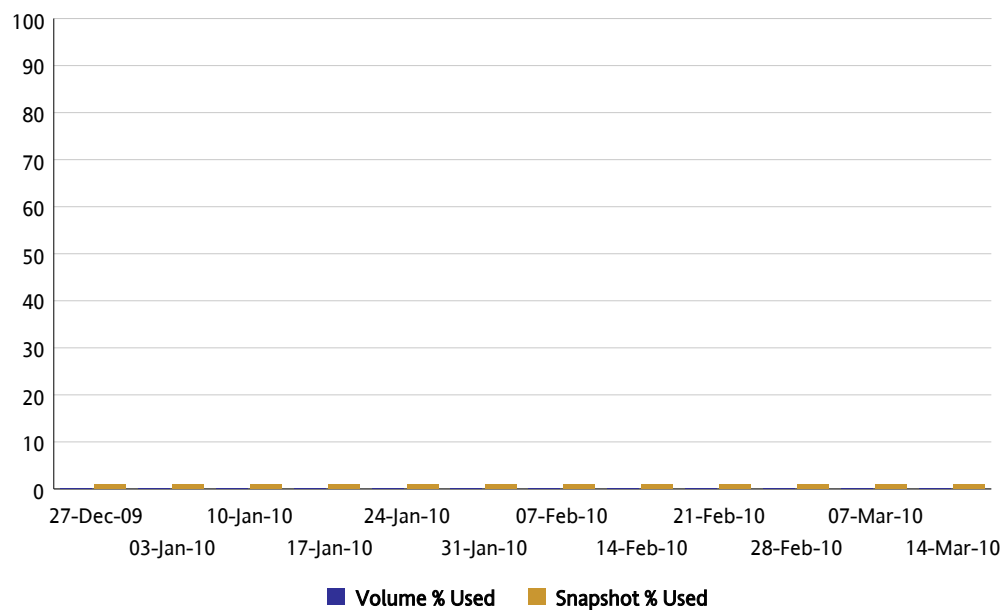
Volume Name: khivnascti007vol0

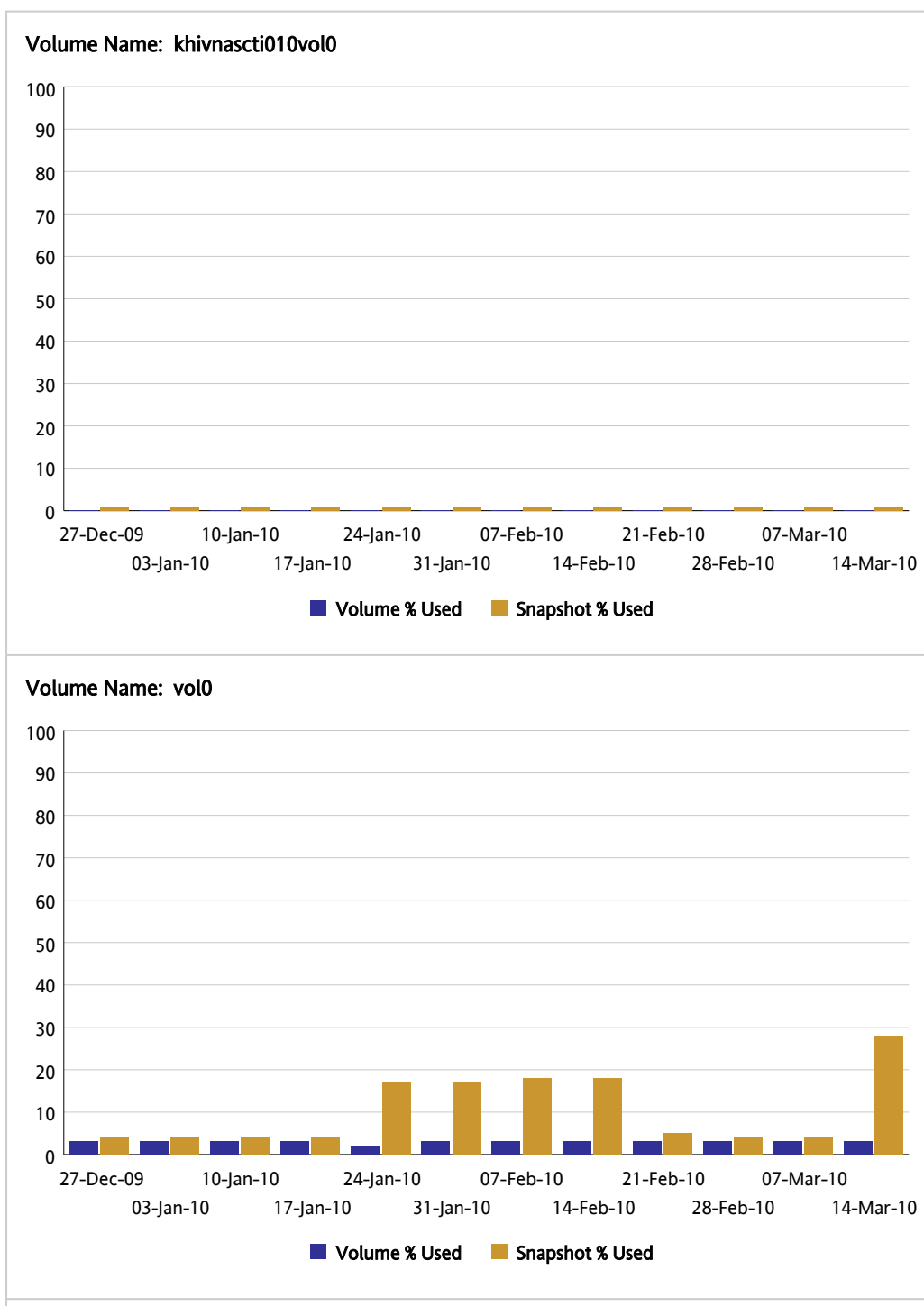


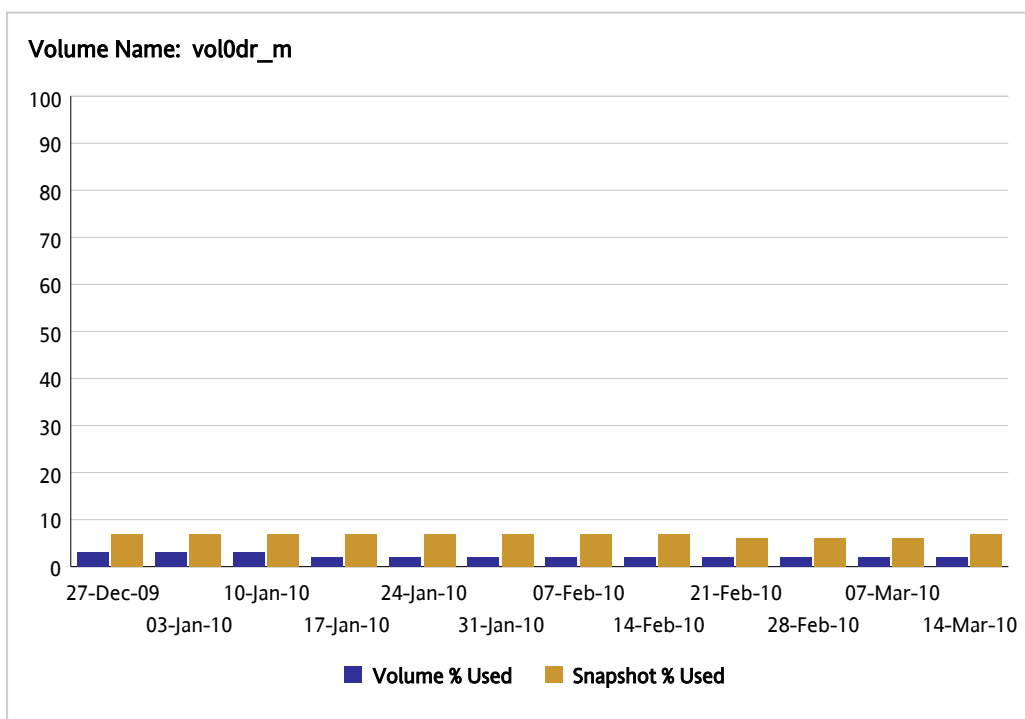
Volume Name: khivnascti008vol0



Volume Name: khivnascti009vol0







Qtree Status

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr0	khivnascti006vol0	/vol/khivnascti006vol0/-	NORMAL
	khivnascti007vol0	/vol/khivnascti007vol0/-	NORMAL
	khivnascti008vol0	/vol/khivnascti008vol0/-	NORMAL
	khivnascti009vol0	/vol/khivnascti009vol0/-	NORMAL
	khivnascti010vol0	/vol/khivnascti010vol0/-	NORMAL
	vol0	/vol/vol0/-	NORMAL
		/vol/vol0/Auditlog	NORMAL
	vol0dr_m	/vol/vol0dr_m/-	NORMAL
		/vol/vol0dr_m/auditlog	NORMAL
aggr1	khictiv021	/vol/khictiv021/-	NORMAL
		/vol/khictiv021/ctiq021	NORMAL
	khictiv022	/vol/khictiv022/-	NORMAL
		/vol/khictiv022/ctiq022	NORMAL
	khictiv023	/vol/khictiv023/-	NORMAL
		/vol/khictiv023/ctiq023	NORMAL
	khictiv024	/vol/khictiv024/-	NORMAL
		/vol/khictiv024/ctiq024	NORMAL
	khictiv025	/vol/khictiv025/-	NORMAL
		/vol/khictiv025/ctiq025	NORMAL
	khictiv026	/vol/khictiv026/-	NORMAL

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr1	khictiv026	/vol/khictiv026/ctiq026	NORMAL
	khictiv027	/vol/khictiv027/-	NORMAL
		/vol/khictiv027/ctiq027	NORMAL
	khictiv028	/vol/khictiv028/-	NORMAL
		/vol/khictiv028/ctiq028	NORMAL
	khictiv029	/vol/khictiv029/-	NORMAL
		/vol/khictiv029/ctiq029	NORMAL
	khictiv030	/vol/khictiv030/-	NORMAL
		/vol/khictiv030/ctiq030	NORMAL
aggr2	khictiv031	/vol/khictiv031/-	NORMAL
		/vol/khictiv031/ctiq031	NORMAL
	khictiv032	/vol/khictiv032/-	NORMAL
		/vol/khictiv032/ctiq032	NORMAL
	khictiv033	/vol/khictiv033/-	NORMAL
		/vol/khictiv033/ctiq033	NORMAL
	khictiv034	/vol/khictiv034/-	NORMAL
		/vol/khictiv034/ctiq034	NORMAL
	khictiv035	/vol/khictiv035/-	NORMAL
		/vol/khictiv035/ctiq035	NORMAL
	khictiv036	/vol/khictiv036/-	NORMAL
		/vol/khictiv036/ctiq036	NORMAL
	khictiv037	/vol/khictiv037/-	NORMAL
		/vol/khictiv037/ctiq037	NORMAL
	khictiv038	/vol/khictiv038/-	NORMAL
		/vol/khictiv038/ctiq038	NORMAL
	khictiv039	/vol/khictiv039/-	NORMAL
		/vol/khictiv039/ctiq039	NORMAL
	khictiv040	/vol/khictiv040/-	NORMAL
		/vol/khictiv040/ctiq040	NORMAL

There are no LUNs found for this system.

SnapMirror / SnapVault Status

SnapMirror State	Source System	Source Path	Destination System	Destination Path
SNAPMIRRORED	khictinas201b	khictiv021	khictinas202b	/vol/khictiv021/-
SNAPMIRRORED	khictinas201b	khictiv022	khictinas202b	/vol/khictiv022/-
SNAPMIRRORED	khictinas201b	khictiv023	khictinas202b	/vol/khictiv023/-
SNAPMIRRORED	khictinas201b	khictiv024	khictinas202b	/vol/khictiv024/-

SnapMirror State	Source System	Source Path	Destination System	Destination Path
SNAPMIRRORED	khictinas201b	khictiv025	khictinas202b	/vol/khictiv025/-
SNAPMIRRORED	khictinas201b	khictiv026	khictinas202b	/vol/khictiv026/-
SNAPMIRRORED	khictinas201b	khictiv027	khictinas202b	/vol/khictiv027/-
SNAPMIRRORED	khictinas201b	khictiv028	khictinas202b	/vol/khictiv028/-
SNAPMIRRORED	khictinas201b	khictiv029	khictinas202b	/vol/khictiv029/-
SNAPMIRRORED	khictinas201b	khictiv030	khictinas202b	/vol/khictiv030/-
SNAPMIRRORED	khictinas201b	khictiv031	khictinas202b	/vol/khictiv031/-
SNAPMIRRORED	khictinas201b	khictiv032	khictinas202b	/vol/khictiv032/-
SNAPMIRRORED	khictinas201b	khictiv033	khictinas202b	/vol/khictiv033/-
SNAPMIRRORED	khictinas201b	khictiv034	khictinas202b	/vol/khictiv034/-
SNAPMIRRORED	khictinas201b	khictiv035	khictinas202b	/vol/khictiv035/-
SNAPMIRRORED	khictinas201b	khictiv036	khictinas202b	/vol/khictiv036/-
SNAPMIRRORED	khictinas201b	khictiv037	khictinas202b	/vol/khictiv037/-
SNAPMIRRORED	khictinas201b	khictiv038	khictinas202b	/vol/khictiv038/-
SNAPMIRRORED	khictinas201b	khictiv039	khictinas202b	/vol/khictiv039/-
SNAPMIRRORED	khictinas201b	khictiv040	khictinas202b	/vol/khictiv040/-
SNAPMIRRORED	khictinas201b	khivnascti006vol0	khictinas202b	/vol/khivnascti006vol0/-
SNAPMIRRORED	khictinas201b	khivnascti007vol0	khictinas202b	/vol/khivnascti007vol0/-
SNAPMIRRORED	khictinas201b	khivnascti008vol0	khictinas202b	/vol/khivnascti008vol0/-
SNAPMIRRORED	khictinas201b	khivnascti009vol0	khictinas202b	/vol/khivnascti009vol0/-
SNAPMIRRORED	khictinas201b	khivnascti010vol0	khictinas202b	/vol/khivnascti010vol0/-
SNAPMIRRORED	khictinas201b	vol0	khictinas202b	/vol/vol0dr_m/-

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	gev4	1,000	Full	Full Unknown	On
e0b	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev5	1,000	Full	Full Unknown	On
e0d	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev5	1,000	Full	Full Unknown	On
e2a	Quad 10/100/1000 Ethernet Controller G20	-					Full Unknown	
e2b	Quad 10/100/1000 Ethernet Controller G20	-					Full Unknown	
e2c	Quad 10/100/1000 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
e2d	Quad 10/100/1000 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 %
IPC	643095	80.00%
NTCreateX	12782	2.00%
find_first2	14083	2.00%
query_path_info	13513	2.00%
readX	42867	5.00%

MultiStore (vFiler)

vFiler Name	vFiler State	vFiler IP Space	UUID (Universal Unique ID)
vfiler0	RUNNING	default-ipospace	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.ssmb.com

SYSTEM REVIEW



Host Name: khictinas202a
Serial Number: 30001777
Last Update: 14-Mar-2010

Model: FAS3040
O/S: 7.2.5.1P6D15
Partner Name: khictinas202b

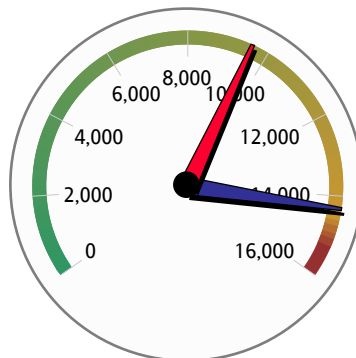
Installed Products

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

Hardware Summary

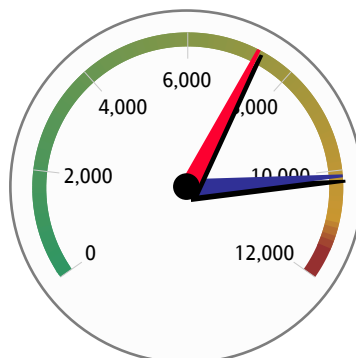
Component	Count
Shelves	6
Disk	84

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	X2054A	FC Host Adapter (QLogic 2432 rev. 3)
2		Quad 10/100/1000 Ethernet Controller G20
3		NVRAM VI

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	40
DATA	X276_HPYTA288F10 NETAPP	NA03 NA04		272.00	520	DS14-Mk4-FC	22
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
DPARITY	X276_HPYTA288F10 NETAPP	NA03 NA04		272.00	520	DS14-Mk4-FC	3
PARITY	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	4
PARITY	X276_HPYTA288F10 NETAPP	NA03 NA04		272.00	520	DS14-Mk4-FC	1
SPARE	X276_FAL9E288F10 NETAPP	NA05 NA05		272.00	520	DS14-Mk4-FC	7
SPARE	X276_HPYTA288F10 NETAPP	NA03 NA04		272.00	520	DS14-Mk4-FC	3
SPARE	X276_S10K7288F10 NETAPP	NA07 NA07		272.00	520	DS14-Mk4-FC	1
Summary							84

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
DS14-Mk4-FC	ESH4	13	13	1

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
DS14-Mk4-FC	ESH4	13	13	1

RAID Configuration

RAID Group Name	RAID Type	Aggregate Name	Disk Count
rg0	RAID_DP	aggr0	73
		aggr1	
		aggr2	
rg1	RAID_DP	aggr1	
		aggr2	

Aggregate and Volume Configuration

Aggregate Name	Volume Name
aggr0	khivnascti001vol0
	khivnascti002vol0
	khivnascti003vol0
	khivnascti004vol0
	khivnascti005vol0
	vol0
	vol0dr_m
aggr1	khictiv001
	khictiv002
	khictiv003
	khictiv004
	khictiv005
	khictiv006
	khictiv007
	khictiv008
	khictiv009
	khictiv010
aggr2	khictiv011
	khictiv012
	khictiv013

Aggregate Name	Volume Name
aggr2	khictiv014
	khictiv015
	khictiv016
	khictiv017
	khictiv018
	khictiv019
	khictiv020

Snapshot Usage Summary

Volume Name	Snapshot Count	Snapshot Schedule	Snapshot Space Reserve %	Snap Reserve Used %
vol0	28	2 13 13@12	20.00%	27.00%
vol0dr_m	31	2 13 13@12	20.00%	10.00%
khictiv001	30	2 13 13@0,12	25.00%	50.00%
khictiv002	24	2 13 13@0,12	25.00%	93.00%
khictiv003	33	2 13 13@0,12	25.00%	86.00%
khictiv004	33	2 13 13@0,12	25.00%	90.00%
khictiv005	30	2 13 13@0,12	25.00%	83.00%
khictiv006	32	2 13 13@0,12	25.00%	12.00%
khictiv007	32	2 13 13@0,12	25.00%	3.00%
khictiv008	33	2 13 13@0,12	25.00%	0.00%
khictiv009	26	2 13 13@0,12	25.00%	99.00%
khictiv010	27	2 13 13@0,12	25.00%	92.00%
khictiv011	26	2 13 13@0,12	25.00%	86.00%
khictiv012	30	2 13 13@0,12	25.00%	85.00%
khictiv013	20	2 13 13@0,12	25.00%	103.00%
khictiv014	30	2 13 13@0,12	25.00%	78.00%
khictiv015	32	2 13 13@0,12	25.00%	69.00%
khictiv016	30	2 13 13@0,12	25.00%	135.00%
khictiv017	30	2 13 13@0,12	25.00%	86.00%
khictiv018	30	2 13 13@0,12	25.00%	81.00%
khictiv019	30	2 13 13@0,12	25.00%	34.00%
khictiv020	30	2 13 13@0,12	25.00%	16.00%
khivnascti001vol0	34	2 13 13@0,12	20.00%	6.00%
khivnascti002vol0	34	2 13 13@0,12	20.00%	1.00%
khivnascti003vol0	34	2 13 13@0,12	20.00%	2.00%
khivnascti004vol0	34	2 13 13@0,12	20.00%	2.00%
khivnascti005vol0	31	2 13 13@0,12	20.00%	1.00%

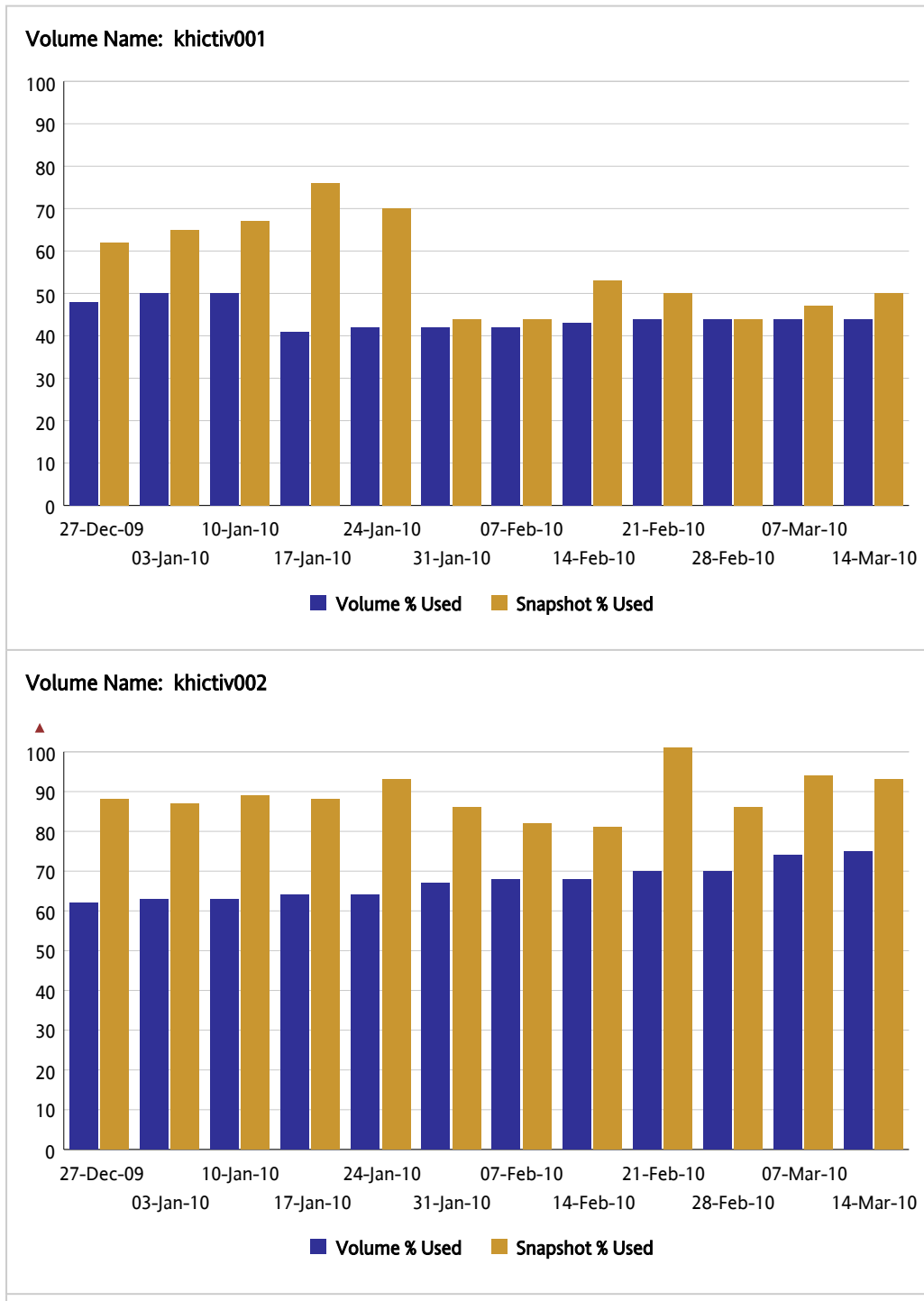
Aggregate Usage Summary

Aggregate Name	Total GB	Used GB	Free GB	Used %	Free %
aggr0	227.00	53.00	174.00	23.00 %	77.00 %
aggr1	7,040.00	4,579.00	2,461.00	65.00 %	35.00 %
aggr2	7,040.00	4,952.00	2,088.00	70.00 %	30.00 %

Volume Usage Summary

Aggregate Name	Volume Name	Volume Type	Volume State	Total GB	Used GB	Free GB	Used %	Inode Used %
aggr0	khivnascti001vol0	FLEX	ONLINE	4.00	0.00	3.98	0.00 %	0.00 %
	khivnascti002vol0	FLEX	ONLINE	4.00	0.00	3.99	0.00 %	0.00 %
	khivnascti003vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	khivnascti004vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	khivnascti005vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	vol0	FLEX	ONLINE	40.00	1.00	38.84	3.00 %	0.00 %
	vol0dr_m	FLEX	ONLINE	40.00	1.00	38.56	4.00 %	0.00 %
aggr1	khictiv001	FLEX	ONLINE	500.25	222.00	277.76	44.00 %	2.00 %
	khictiv002	FLEX	ONLINE	500.25	375.00	125.01	75.00 %	4.00 %
	khictiv003	FLEX	ONLINE	500.25	331.00	169.52	66.00 %	3.00 %
	khictiv004	FLEX	ONLINE	500.25	449.00	50.90	90.00 %	7.00 %
	khictiv005	FLEX	ONLINE	500.25	344.00	156.72	69.00 %	3.00 %
	khictiv006	FLEX	ONLINE	500.25	95.00	404.97	19.00 %	0.00 %
	khictiv007	FLEX	ONLINE	500.25	423.00	76.76	85.00 %	0.00 %
	khictiv008	FLEX	ONLINE	500.25	398.00	101.96	80.00 %	0.00 %
	khictiv009	FLEX	ONLINE	500.25	458.00	41.78	92.00 %	2.00 %
	khictiv010	FLEX	ONLINE	500.25	481.00	19.27	96.00 %	2.00 %
aggr2	khictiv011	FLEX	ONLINE	500.25	420.00	79.95	84.00 %	1.00 %
	khictiv012	FLEX	ONLINE	500.25	440.00	60.04	88.00 %	2.00 %
	khictiv013	FLEX	ONLINE	500.25	445.00	55.49	89.00 %	6.00 %
	khictiv014	FLEX	ONLINE	500.25	447.00	53.35	89.00 %	1.00 %
	khictiv015	FLEX	ONLINE	500.25	402.00	98.54	80.00 %	4.00 %
	khictiv016	FLEX	ONLINE	500.25	480.00	19.96	96.00 %	2.00 %
	khictiv017	FLEX	ONLINE	500.25	408.00	92.63	81.00 %	2.00 %
	khictiv018	FLEX	ONLINE	500.25	379.00	121.33	76.00 %	2.00 %
	khictiv019	FLEX	ONLINE	500.25	207.00	293.12	41.00 %	1.00 %
	khictiv020	FLEX	ONLINE	500.25	101.00	399.74	20.00 %	0.00 %

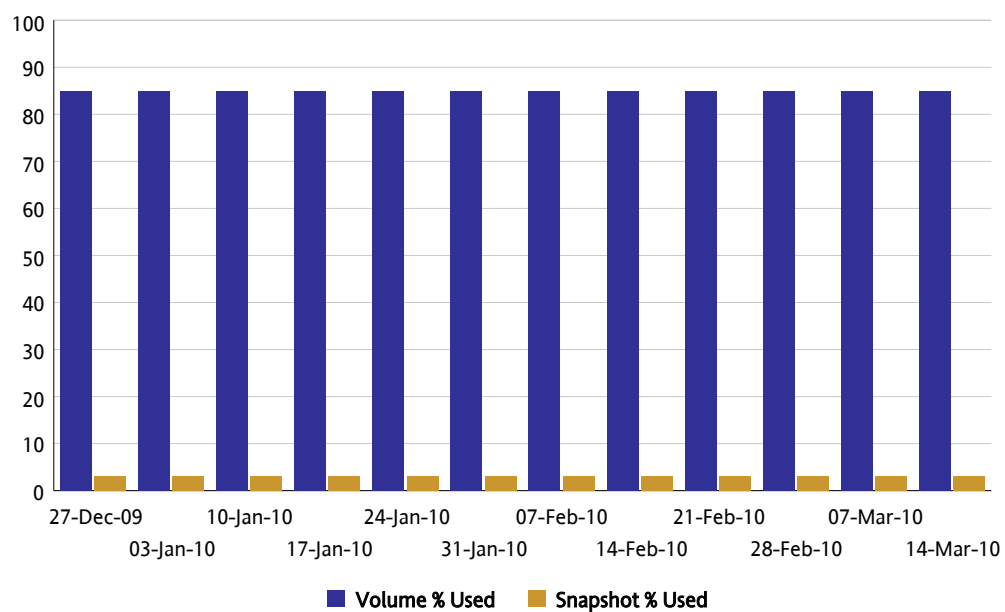
Disk Space Utilization



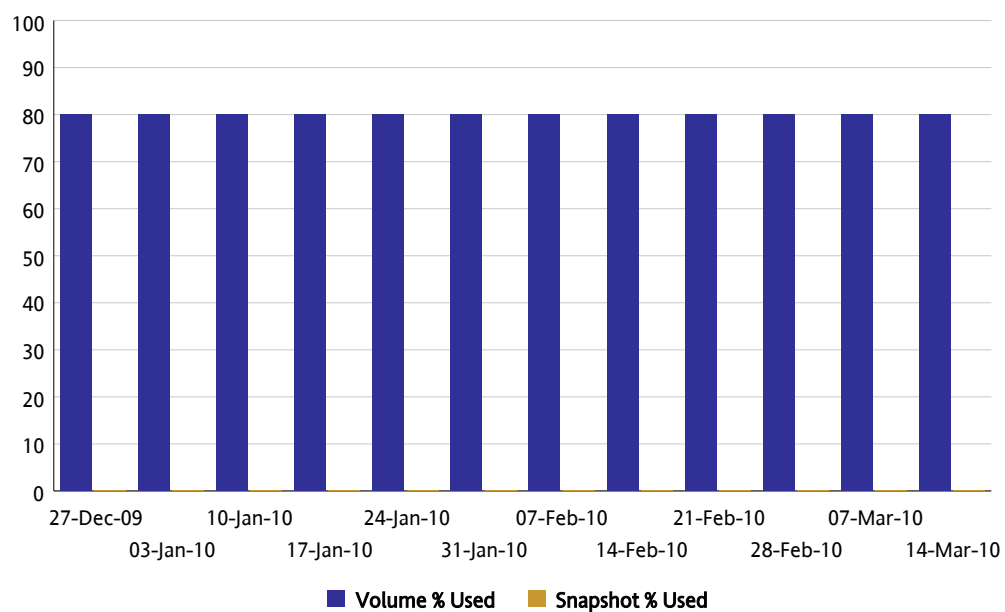


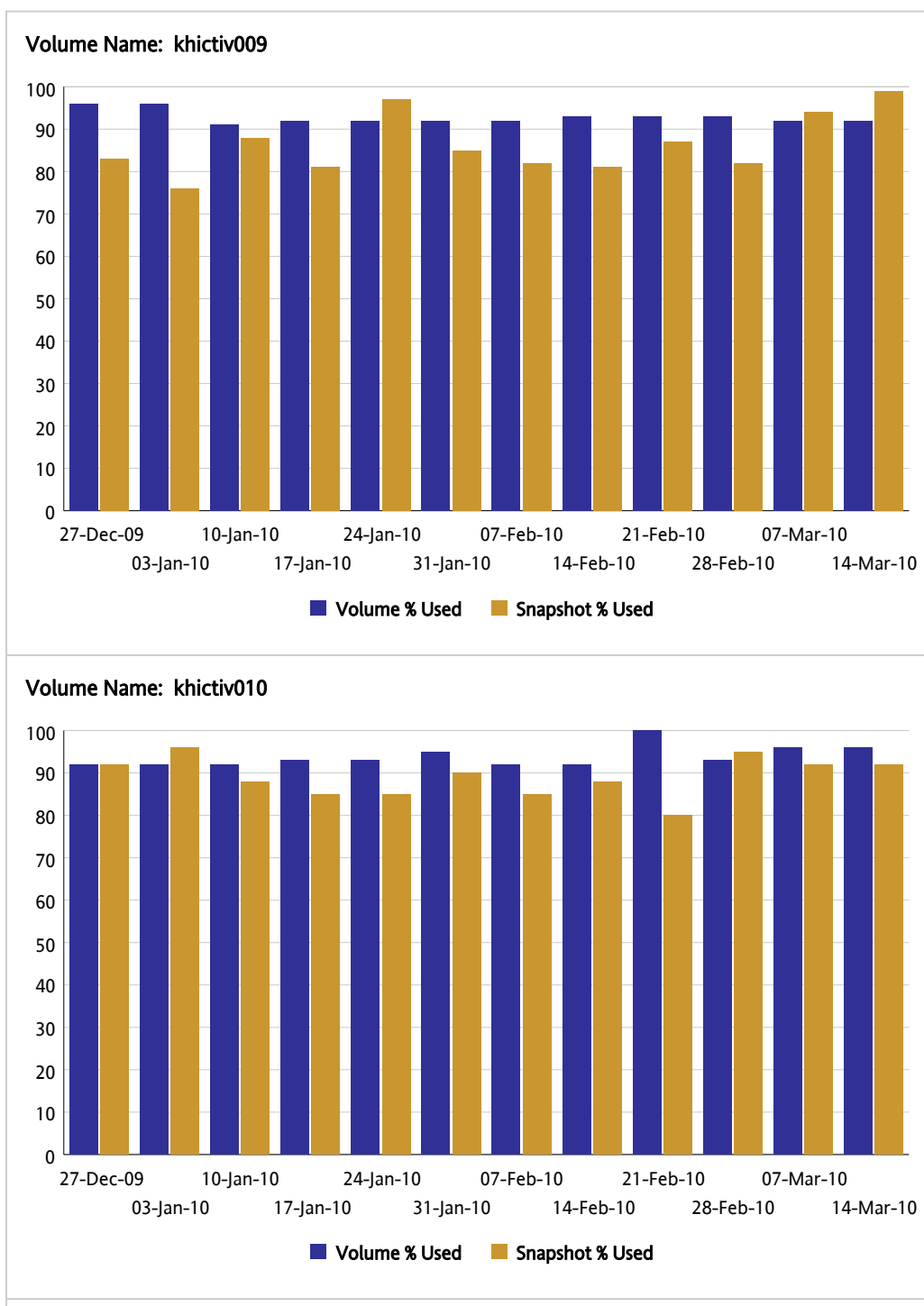


Volume Name: khictiv007

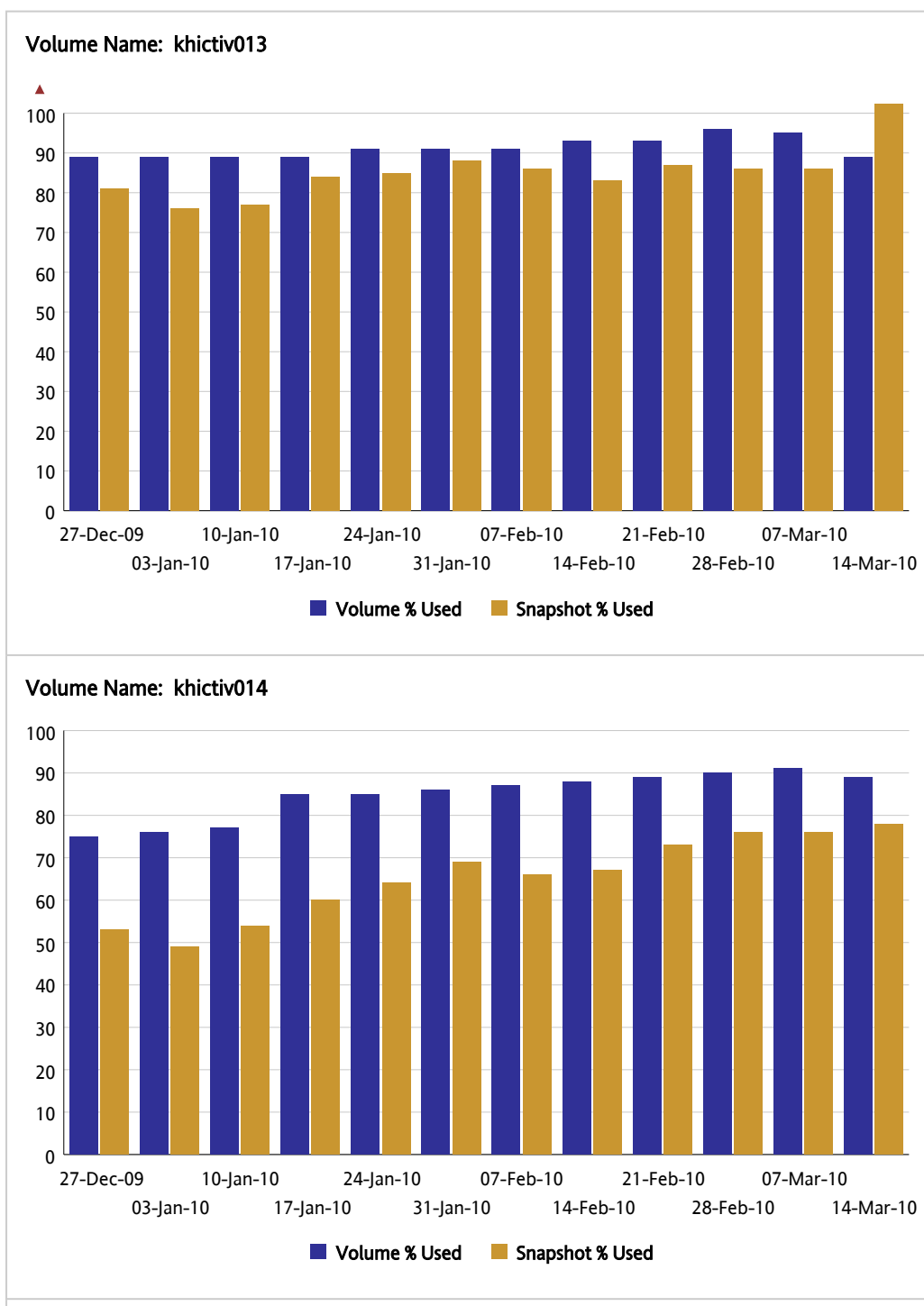


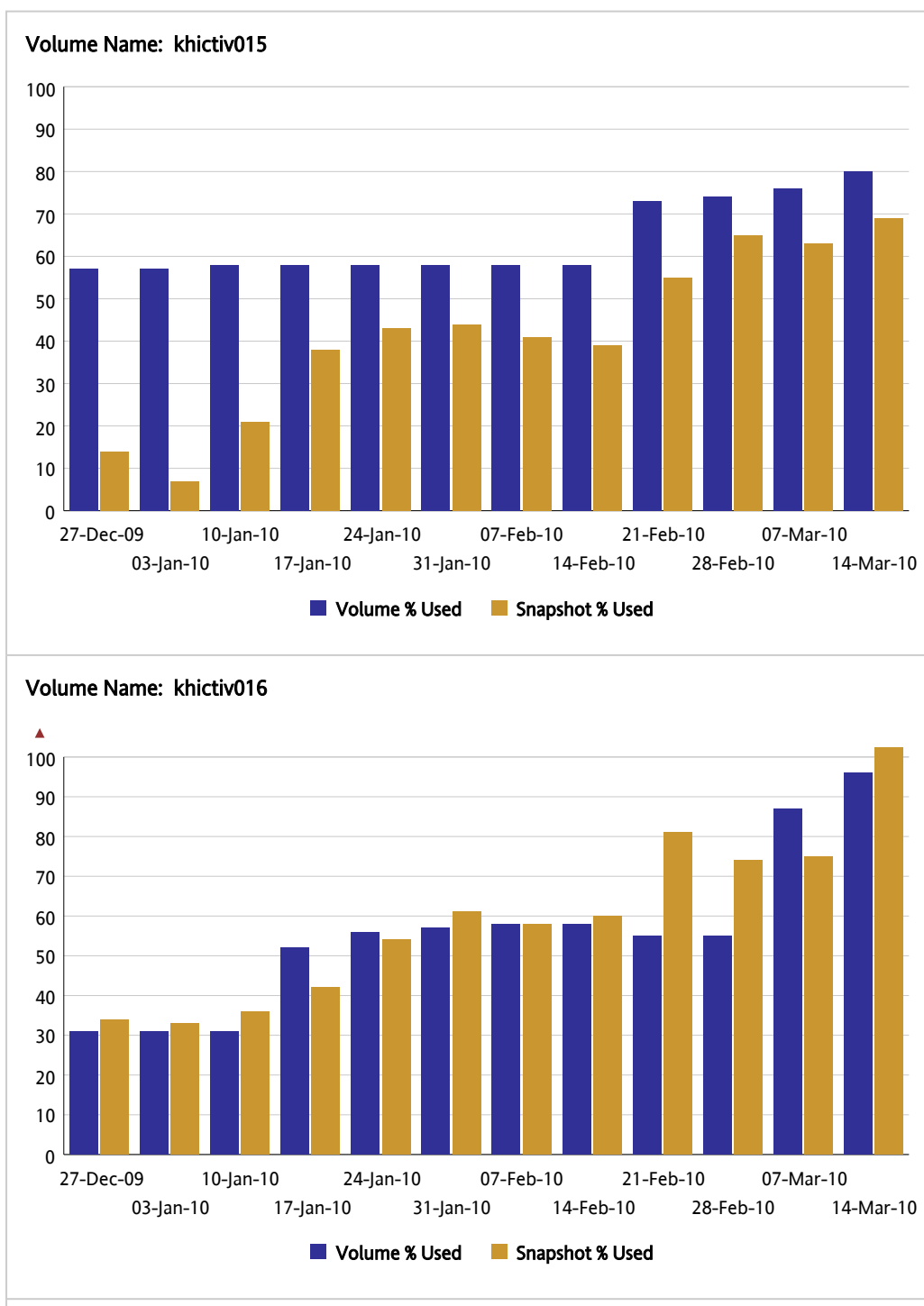
Volume Name: khictiv008

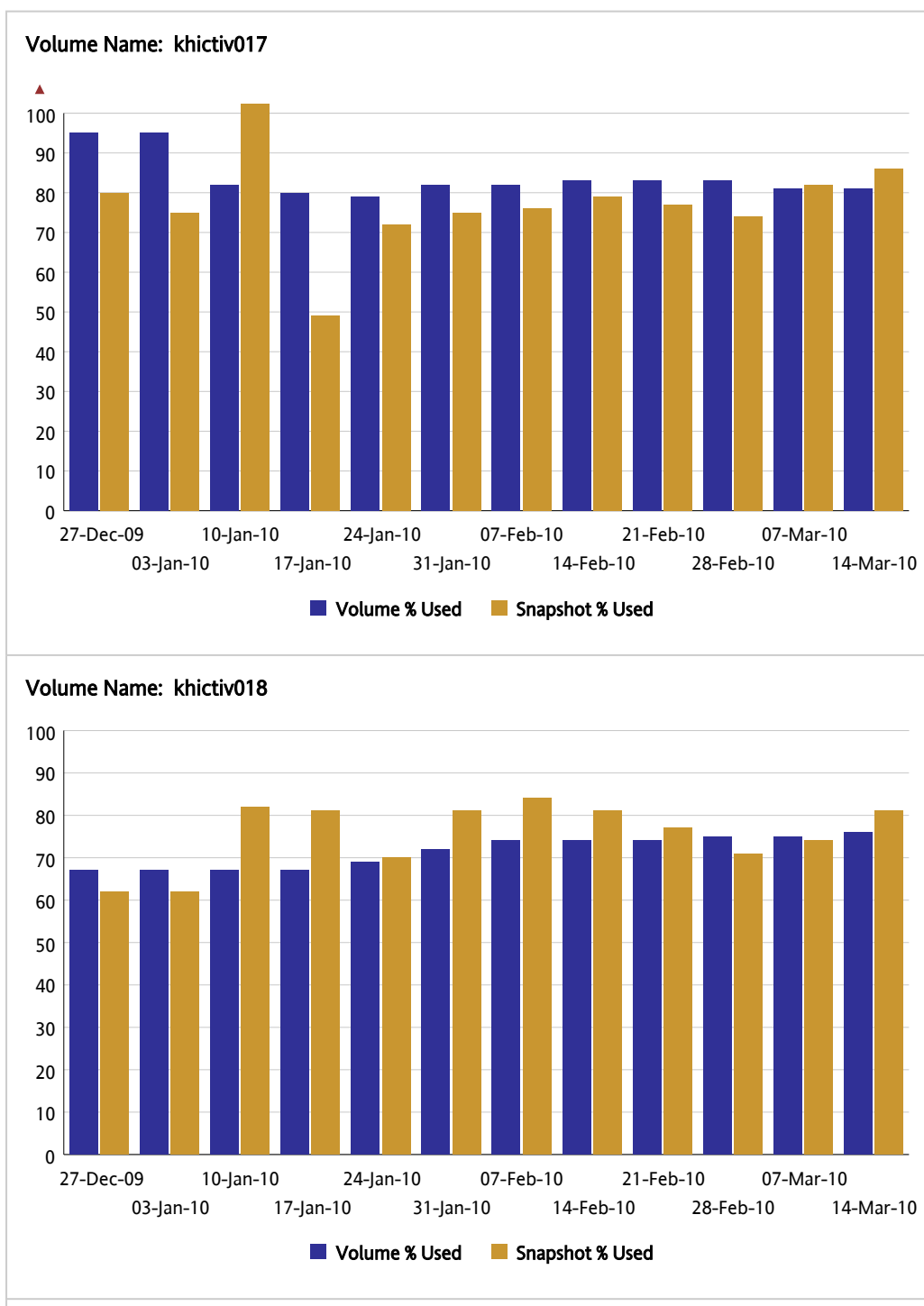


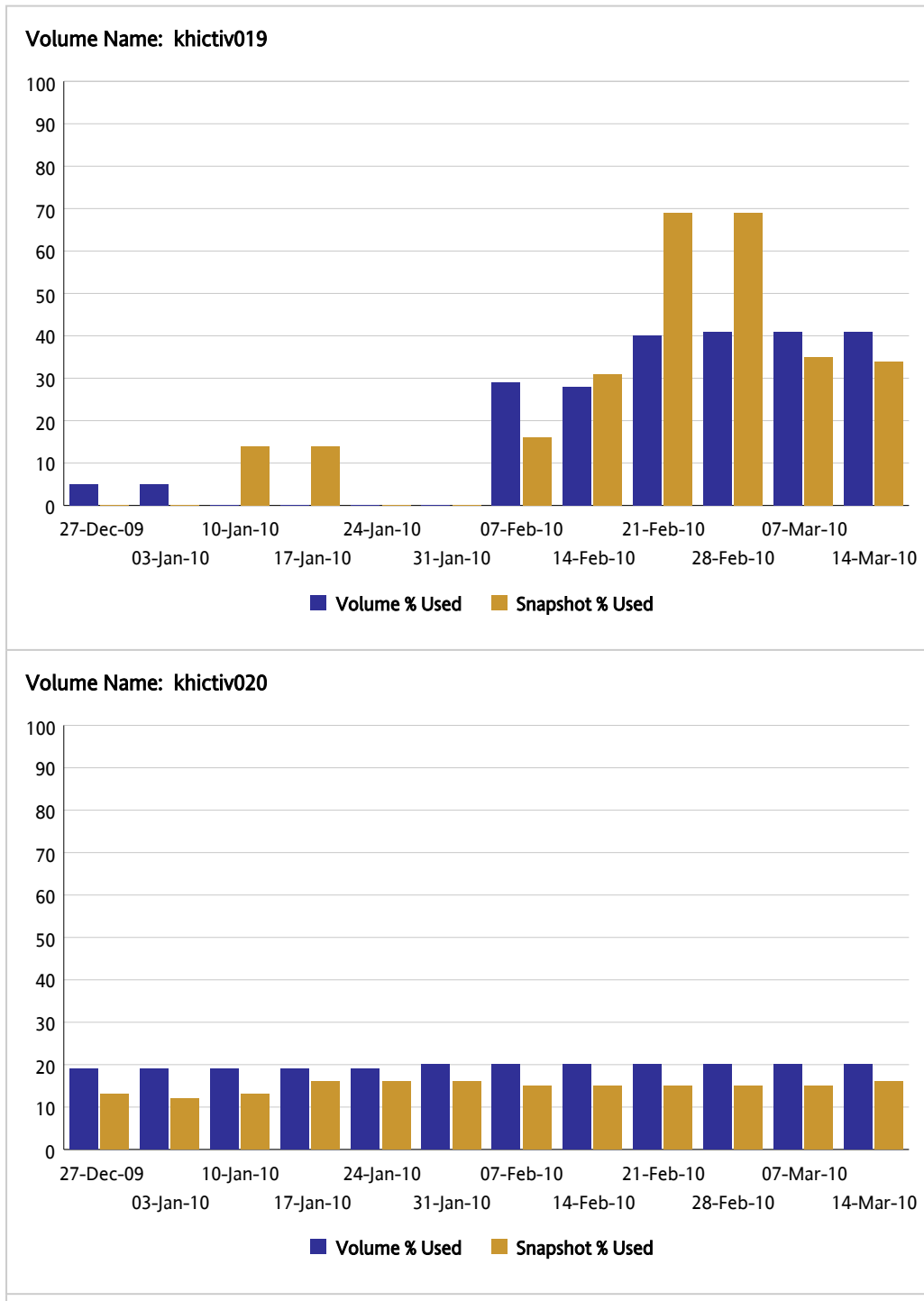


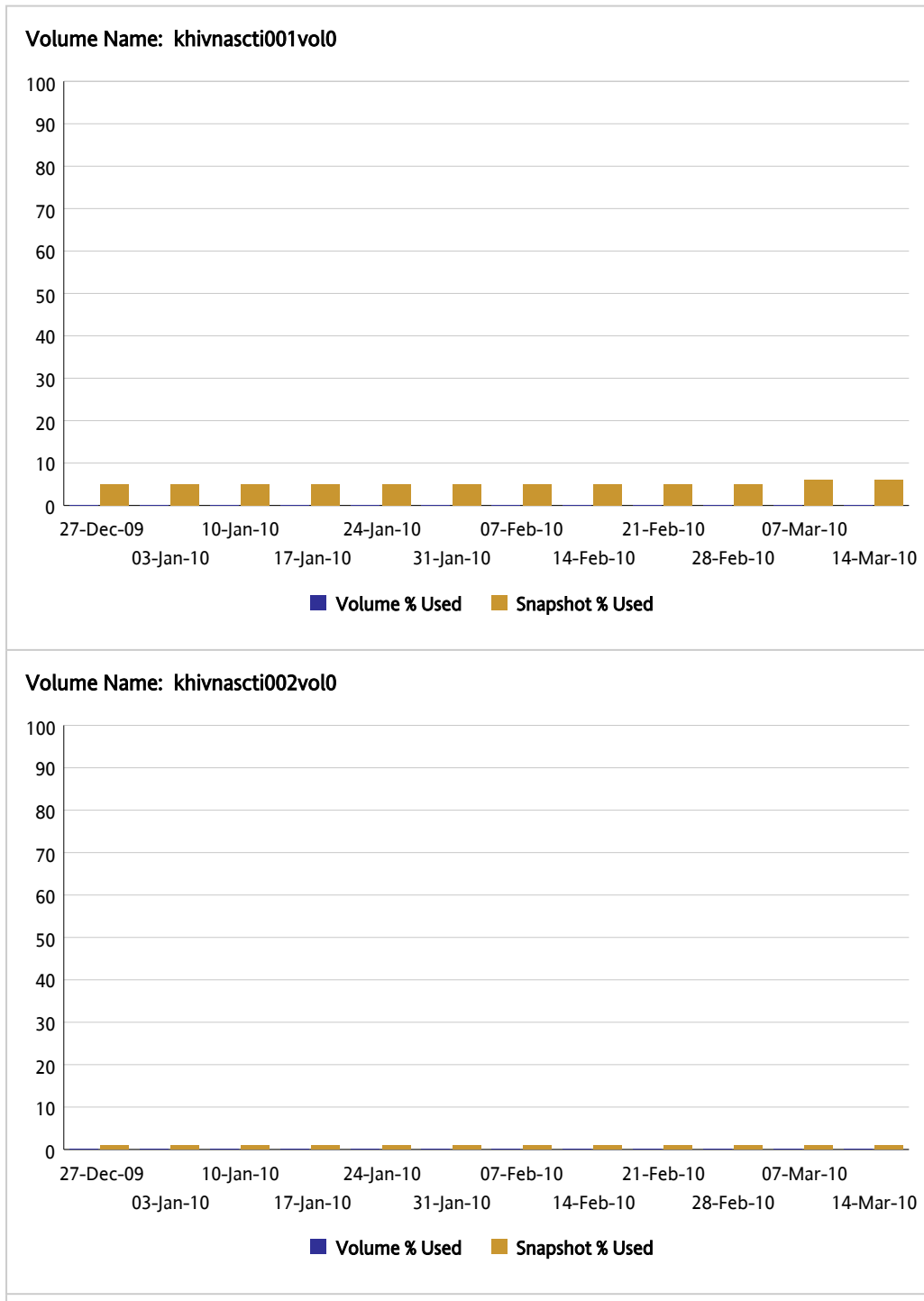




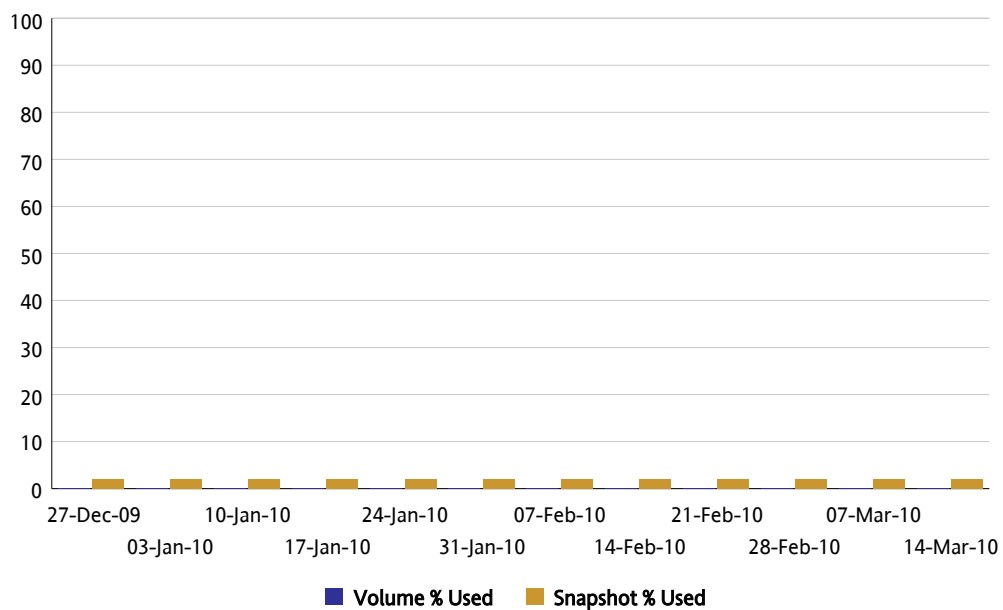




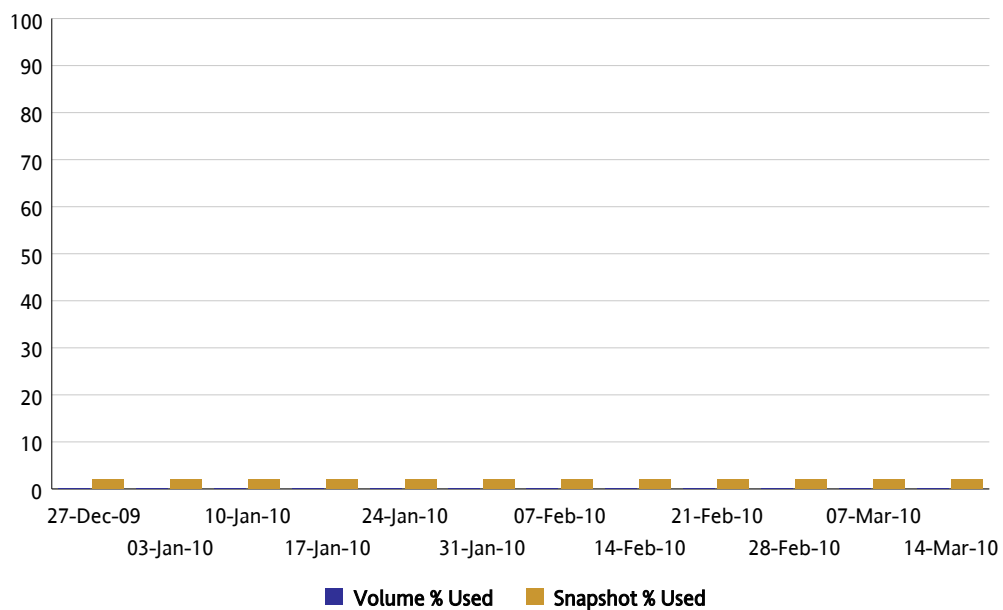


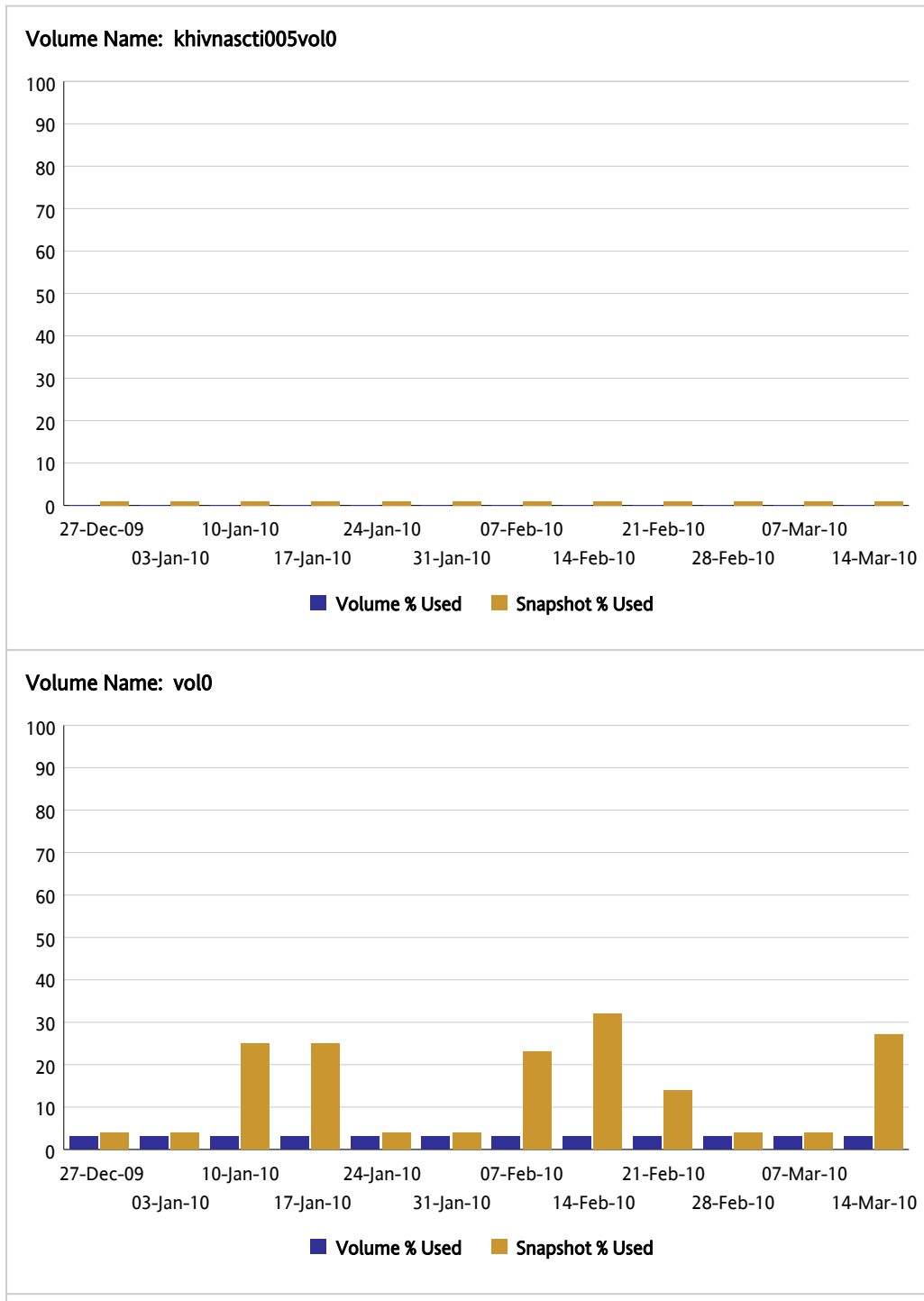


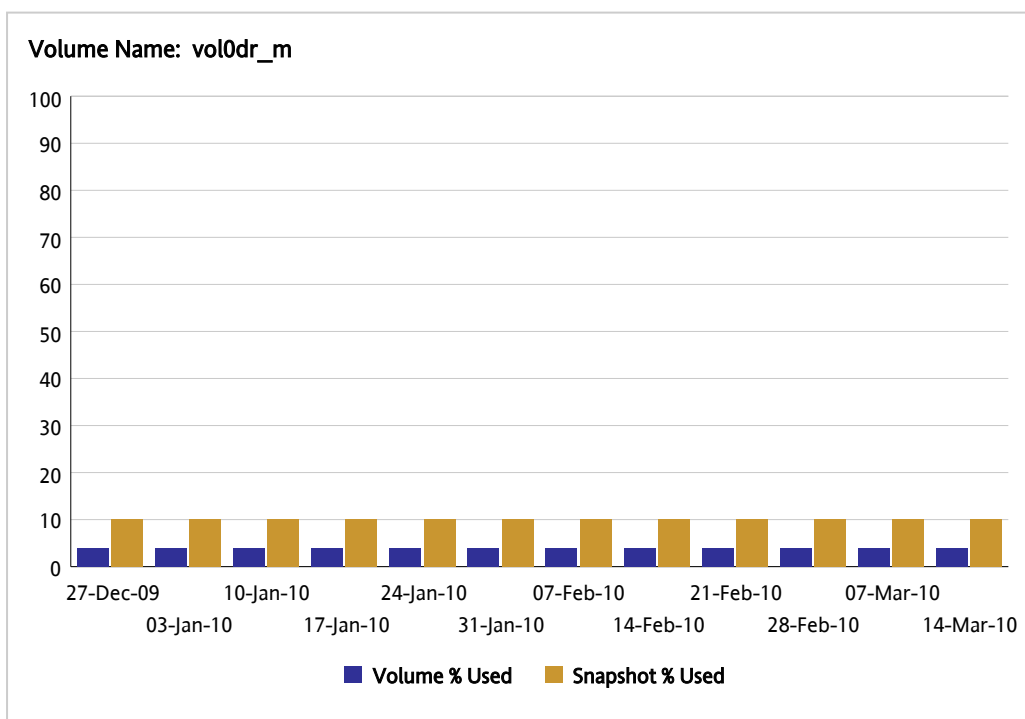
Volume Name: khivnascti003vol0



Volume Name: khivnascti004vol0







Qtree Status

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr0	khivnascti001vol0	/vol/khivnascti001vol0/-	NORMAL
	khivnascti002vol0	/vol/khivnascti002vol0/-	NORMAL
	khivnascti003vol0	/vol/khivnascti003vol0/-	NORMAL
	khivnascti004vol0	/vol/khivnascti004vol0/-	NORMAL
	khivnascti005vol0	/vol/khivnascti005vol0/-	NORMAL
	vol0	/vol/vol0/-	NORMAL
		/vol/vol0/Auditlog	NORMAL
	vol0dr_m	/vol/vol0dr_m/-	NORMAL
		/vol/vol0dr_m/auditlog	NORMAL
aggr1	khictiv001	/vol/khictiv001/-	NORMAL
		/vol/khictiv001/ctiq001	NORMAL
	khictiv002	/vol/khictiv002/-	NORMAL
		/vol/khictiv002/ctiq002	NORMAL
	khictiv003	/vol/khictiv003/-	NORMAL
		/vol/khictiv003/ctiq003	NORMAL
	khictiv004	/vol/khictiv004/-	NORMAL
		/vol/khictiv004/ctiq004	NORMAL
	khictiv005	/vol/khictiv005/-	NORMAL
		/vol/khictiv005/ctiq005	NORMAL
	khictiv006	/vol/khictiv006/-	NORMAL

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr1	khictiv006	/vol/khictiv006/ctiq006	NORMAL
	khictiv007	/vol/khictiv007/-	NORMAL
		/vol/khictiv007/ctiq007	NORMAL
	khictiv008	/vol/khictiv008/-	NORMAL
		/vol/khictiv008/ctiq008	NORMAL
	khictiv009	/vol/khictiv009/-	NORMAL
		/vol/khictiv009/ctiq009	NORMAL
	khictiv010	/vol/khictiv010/-	NORMAL
		/vol/khictiv010/ctiq010	NORMAL
aggr2	khictiv011	/vol/khictiv011/-	NORMAL
		/vol/khictiv011/ctiq011	NORMAL
	khictiv012	/vol/khictiv012/-	NORMAL
		/vol/khictiv012/ctiq012	NORMAL
	khictiv013	/vol/khictiv013/-	NORMAL
		/vol/khictiv013/ctiq013	NORMAL
	khictiv014	/vol/khictiv014/-	NORMAL
		/vol/khictiv014/ctiq014	NORMAL
	khictiv015	/vol/khictiv015/-	NORMAL
		/vol/khictiv015/ctiq015	NORMAL
	khictiv016	/vol/khictiv016/-	NORMAL
		/vol/khictiv016/ctiq016	NORMAL
	khictiv017	/vol/khictiv017/-	NORMAL
		/vol/khictiv017/ctiq017	NORMAL
	khictiv018	/vol/khictiv018/-	NORMAL
		/vol/khictiv018/ctiq018	NORMAL
	khictiv019	/vol/khictiv019/-	NORMAL
		/vol/khictiv019/ctiq019	NORMAL
	khictiv020	/vol/khictiv020/-	NORMAL
		/vol/khictiv020/ctiq020	NORMAL

There are no LUNs found for this system.

SnapMirror / SnapVault Status

SnapMirror State	Source System	Source Path	Destination System	Destination Path
SNAPMIRRORED	khictinas201a	khictiv001	khictinas202a	/vol/khictiv001/-
SNAPMIRRORED	khictinas201a	khictiv002	khictinas202a	/vol/khictiv002/-
SNAPMIRRORED	khictinas201a	khictiv003	khictinas202a	/vol/khictiv003/-
SNAPMIRRORED	khictinas201a	khictiv004	khictinas202a	/vol/khictiv004/-

SnapMirror State	Source System	Source Path	Destination System	Destination Path
SNAPMIRRORED	khictinas201a	khictiv005	khictinas202a	/vol/khictiv005/-
SNAPMIRRORED	khictinas201a	khictiv006	khictinas202a	/vol/khictiv006/-
SNAPMIRRORED	khictinas201a	khictiv007	khictinas202a	/vol/khictiv007/-
SNAPMIRRORED	khictinas201a	khictiv008	khictinas202a	/vol/khictiv008/-
SNAPMIRRORED	khictinas201a	khictiv009	khictinas202a	/vol/khictiv009/-
SNAPMIRRORED	khictinas201a	khictiv010	khictinas202a	/vol/khictiv010/-
SNAPMIRRORED	khictinas201a	khictiv011	khictinas202a	/vol/khictiv011/-
SNAPMIRRORED	khictinas201a	khictiv012	khictinas202a	/vol/khictiv012/-
SNAPMIRRORED	khictinas201a	khictiv013	khictinas202a	/vol/khictiv013/-
SNAPMIRRORED	khictinas201a	khictiv014	khictinas202a	/vol/khictiv014/-
SNAPMIRRORED	khictinas201a	khictiv015	khictinas202a	/vol/khictiv015/-
SNAPMIRRORED	khictinas201a	khictiv016	khictinas202a	/vol/khictiv016/-
SNAPMIRRORED	khictinas201a	khictiv017	khictinas202a	/vol/khictiv017/-
SNAPMIRRORED	khictinas201a	khictiv018	khictinas202a	/vol/khictiv018/-
SNAPMIRRORED	khictinas201a	khictiv019	khictinas202a	/vol/khictiv019/-
SNAPMIRRORED	khictinas201a	khictiv020	khictinas202a	/vol/khictiv020/-
SNAPMIRRORED	khictinas201a	khivnascti001vol0	khictinas202a	/vol/khivnascti001vol0/-
SNAPMIRRORED	khictinas201a	khivnascti002vol0	khictinas202a	/vol/khivnascti002vol0/-
SNAPMIRRORED	khictinas201a	khivnascti003vol0	khictinas202a	/vol/khivnascti003vol0/-
SNAPMIRRORED	khictinas201a	khivnascti004vol0	khictinas202a	/vol/khivnascti004vol0/-
SNAPMIRRORED	khictinas201a	khivnascti005vol0	khictinas202a	/vol/khivnascti005vol0/-
SNAPMIRRORED	khictinas201a	vol0	khictinas202a	/vol/vol0dr_m/-

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	gev1	1,000	Full	Full Unknown	On
e0b	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev2	1,000	Full	Full Unknown	On
e0d	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev2	1,000	Full	Full Unknown	On
e2a	Quad 10/100/1000 Ethernet Controller G20	-					Full Unknown	
e2b	Quad 10/100/1000 Ethernet Controller G20	-					Full Unknown	
e2c	Quad 10/100/1000 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
e2d	Quad 10/100/1000 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 %
IPC	643146	78.00%
NTCreateX	16228	2.00%
close	16116	2.00%
find_first2	17949	2.00%
readX	42615	5.00%

MultiStore (vFiler)

vFiler Name	vFiler State	vFiler IP Space	UUID (Universal Unique ID)
vfiler0	RUNNING	default-ipospace	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: khictinas201a
Serial Number: 30003866
Last Update: 14-Mar-2010

Model: FAS3040
O/S: 7.2.5.1P6D15
Partner Name: khictinas201b

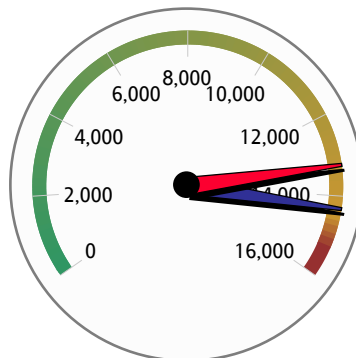
Installed Products

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

Hardware Summary

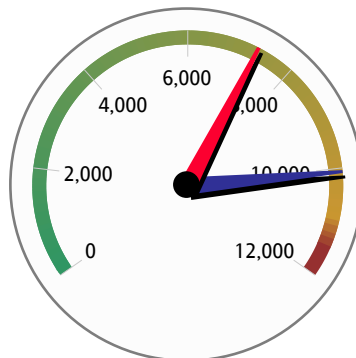
Component	Count
Shelves	6
Disk	84

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	X2054A	FC Host Adapter (QLogic 2432 rev. 3)
2		Quad 10/100/1000 Ethernet Controller G20
3		NVRAM VI

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	X279_HVPBP288F15 NETAPP	NA02		272.00	520	DS14-Mk4-FC	8
DATA	X279_S15K5288F15 NETAPP	NA01 NA02		272.00	520	DS14-Mk4-FC	55
DPARITY	X279_S15K5288F15 NETAPP	NA01 NA02		272.00	520	DS14-Mk4-FC	5
PARITY	X279_HVPBP288F15 NETAPP	NA02		272.00	520	DS14-Mk4-FC	1
PARITY	X279_S15K5288F15 NETAPP	NA01 NA02		272.00	520	DS14-Mk4-FC	4
SPARE	X279_HVPBP288F15 NETAPP	NA02		272.00	520	DS14-Mk4-FC	4
SPARE	X279_S15K5288F15 NETAPP	NA01 NA02		272.00	520	DS14-Mk4-FC	7
Summary							84

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
DS14-Mk4-FC	ESH4	13	13	1
DS14-Mk4-FC	ESH4	13	13	1
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	73
		aggr1	
		aggr2	
rg1	RAID_DP	aggr1	
		aggr2	

Aggregate and Volume Configuration

Aggregate Name	Volume Name
aggr0	khivnascti001vol0
	khivnascti002vol0
	khivnascti003vol0
	khivnascti004vol0
	khivnascti005vol0
	vol0
aggr1	khictiv001
	khictiv002
	khictiv003
	khictiv004
	khictiv005
	khictiv006
	khictiv007
	khictiv008
	khictiv009
	khictiv010
aggr2	khictiv011
	khictiv012
	khictiv013
	khictiv014
	khictiv015
	khictiv016
	khictiv017
	khictiv018
	khictiv019
	khictiv020

Snapshot Usage Summary

Volume Name	Snapshot Count	Snapshot Schedule	Snapshot Space Reserve %	Snap Reserve Used %
vol0	32	2 13 13@12	20.00%	11.00%
khictiv001	29	2 13 13@0,12	25.00%	49.00%
khictiv002	23	2 13 13@0,12	25.00%	90.00%
khictiv003	32	2 13 13@0,12	25.00%	84.00%
khictiv004	32	2 13 13@0,12	25.00%	87.00%
khictiv005	29	2 13 13@0,12	25.00%	83.00%
khictiv006	31	2 13 13@0,12	25.00%	12.00%
khictiv007	31	2 13 13@0,12	25.00%	3.00%
khictiv008	32	2 13 13@0,12	25.00%	0.00%
khictiv009	25	2 13 13@0,12	25.00%	88.00%
khictiv010	26	2 13 13@0,12	25.00%	92.00%
khictiv011	25	2 13 13@0,12	25.00%	86.00%
khictiv012	29	2 13 13@0,12	25.00%	85.00%
khictiv013	19	2 13 13@0,12	25.00%	103.00%
khictiv014	29	2 13 13@0,12	25.00%	78.00%
khictiv015	31	2 13 13@0,12	25.00%	69.00%
khictiv016	29	2 13 13@0,12	25.00%	135.00%
khictiv017	29	2 13 13@0,12	25.00%	86.00%
khictiv018	29	2 13 13@0,12	25.00%	81.00%
khictiv019	29	2 13 13@0,12	25.00%	34.00%
khictiv020	29	2 13 13@0,12	25.00%	16.00%
khivnascti001vol0	33	2 13 13@0,12	20.00%	6.00%
khivnascti002vol0	33	2 13 13@0,12	20.00%	1.00%
khivnascti003vol0	33	2 13 13@0,12	20.00%	2.00%
khivnascti004vol0	33	2 13 13@0,12	20.00%	2.00%
khivnascti005vol0	30	2 13 13@0,12	20.00%	1.00%

Aggregate Usage Summary

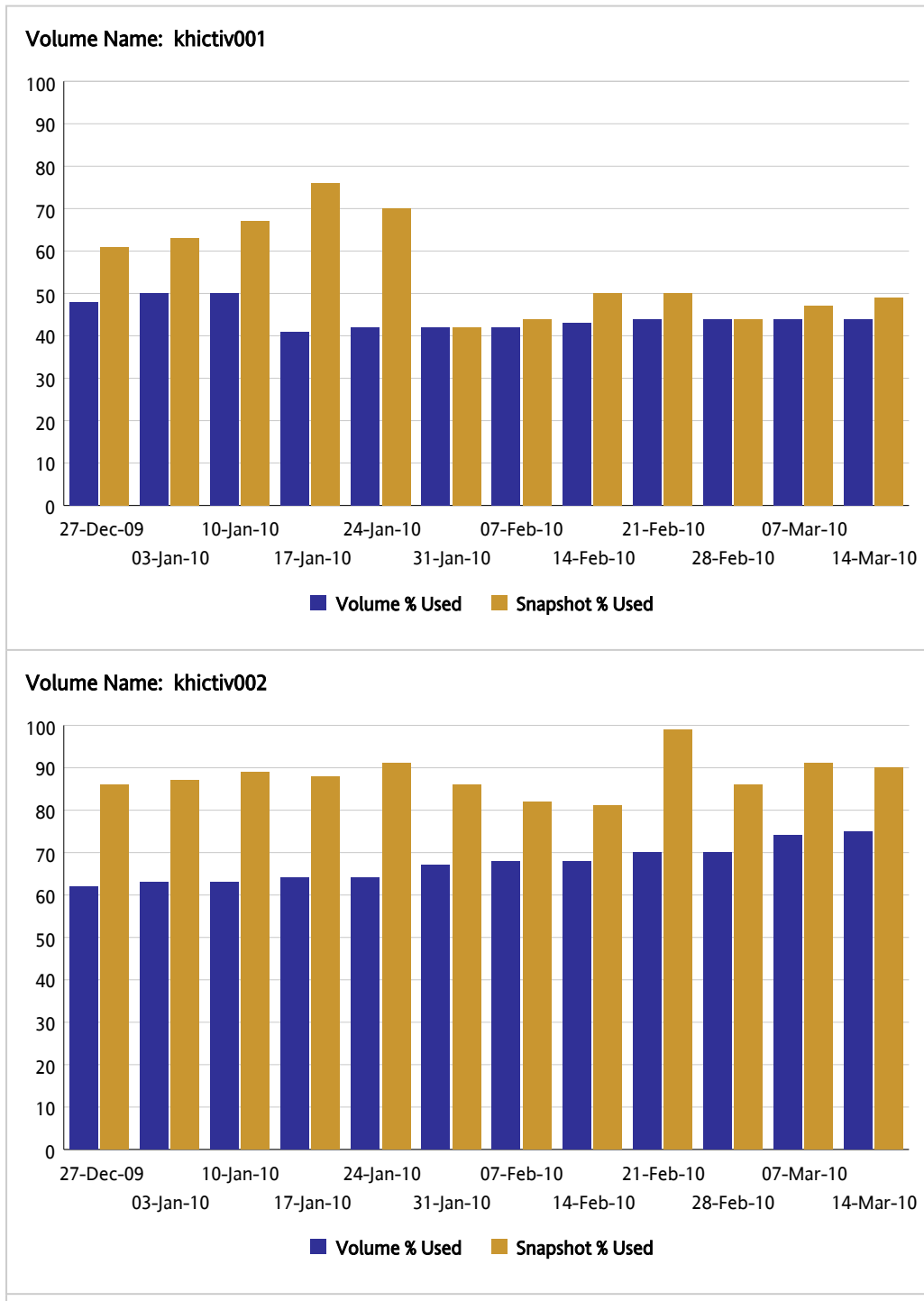
Aggregate Name	Total GB	Used GB	Free GB	Used %	Free %
aggr0	227.00	75.00	152.00	33.00 %	67.00 %
aggr1	7,040.00	6,677.00	363.00	95.00 %	5.00 %
aggr2	7,040.00	6,507.00	533.00	92.00 %	8.00 %

Volume Usage Summary

Aggregate Name	Volume Name	Volume Type	Volume State	Total GB	Used GB	Free GB	Used %	Inode Used %
aggr0	khivnascti001vol0	FLEX	ONLINE	4.00	0.00	3.98	0.00 %	0.00 %
	khivnascti002vol0	FLEX	ONLINE	4.00	0.00	3.99	0.00 %	0.00 %
	khivnascti003vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	khivnascti004vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	khivnascti005vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	vol0	FLEX	ONLINE	40.00	1.00	38.60	4.00 %	0.00 %
aggr1	khictiv001	FLEX	ONLINE	500.25	222.00	277.76	44.00 %	2.00 %
	khictiv002	FLEX	ONLINE	500.25	375.00	125.01	75.00 %	4.00 %
	khictiv003	FLEX	ONLINE	500.25	331.00	169.52	66.00 %	3.00 %
	khictiv004	FLEX	ONLINE	500.25	449.00	50.90	90.00 %	7.00 %
	khictiv005	FLEX	ONLINE	500.25	344.00	156.72	69.00 %	3.00 %
	khictiv006	FLEX	ONLINE	500.25	95.00	404.97	19.00 %	0.00 %
	khictiv007	FLEX	ONLINE	500.25	423.00	76.76	85.00 %	0.00 %
	khictiv008	FLEX	ONLINE	500.25	398.00	101.96	80.00 %	0.00 %
	khictiv009	FLEX	ONLINE	500.25	458.00	41.78	92.00 %	2.00 %
	khictiv010	FLEX	ONLINE	500.25	481.00	19.27	96.00 %	2.00 %
aggr2	khictiv011	FLEX	ONLINE	500.25	420.00	79.95	84.00 %	1.00 %
	khictiv012	FLEX	ONLINE	500.25	440.00	60.04	88.00 %	2.00 %
	khictiv013	FLEX	ONLINE	500.25	445.00	55.49	89.00 %	6.00 %
	khictiv014	FLEX	ONLINE	500.25	447.00	53.35	89.00 %	1.00 %
	khictiv015	FLEX	ONLINE	500.25	402.00	98.54	80.00 %	4.00 %
	khictiv016	FLEX	ONLINE	500.25	480.00	19.96	96.00 %	2.00 %
	khictiv017	FLEX	ONLINE	500.25	408.00	92.63	81.00 %	2.00 %
	khictiv018	FLEX	ONLINE	500.25	379.00	121.33	76.00 %	2.00 %
	khictiv019	FLEX	ONLINE	500.25	207.00	293.12	41.00 %	1.00 %
	khictiv020	FLEX	ONLINE	500.25	101.00	399.74	20.00 %	0.00 %

Disk Space Utilization

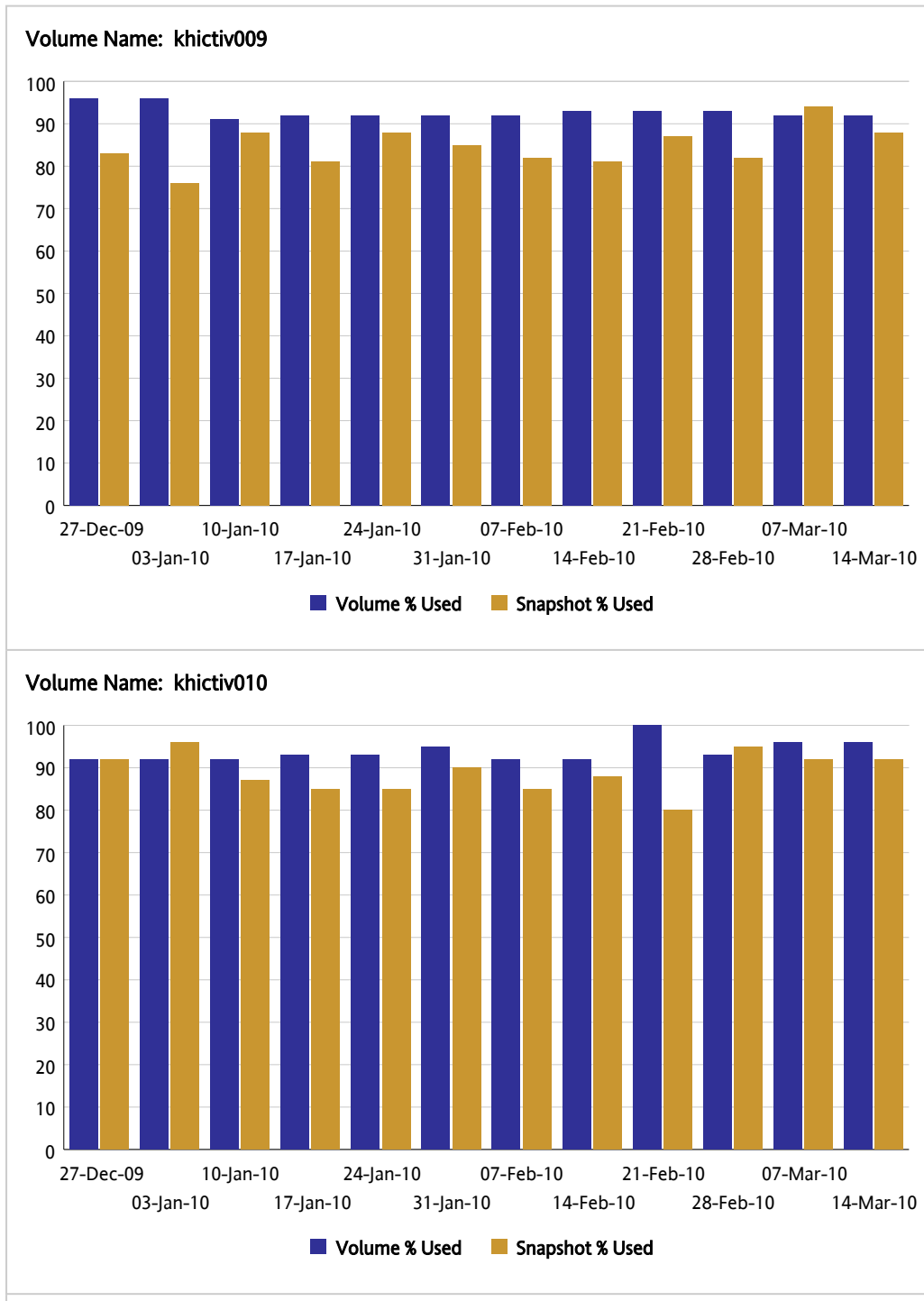
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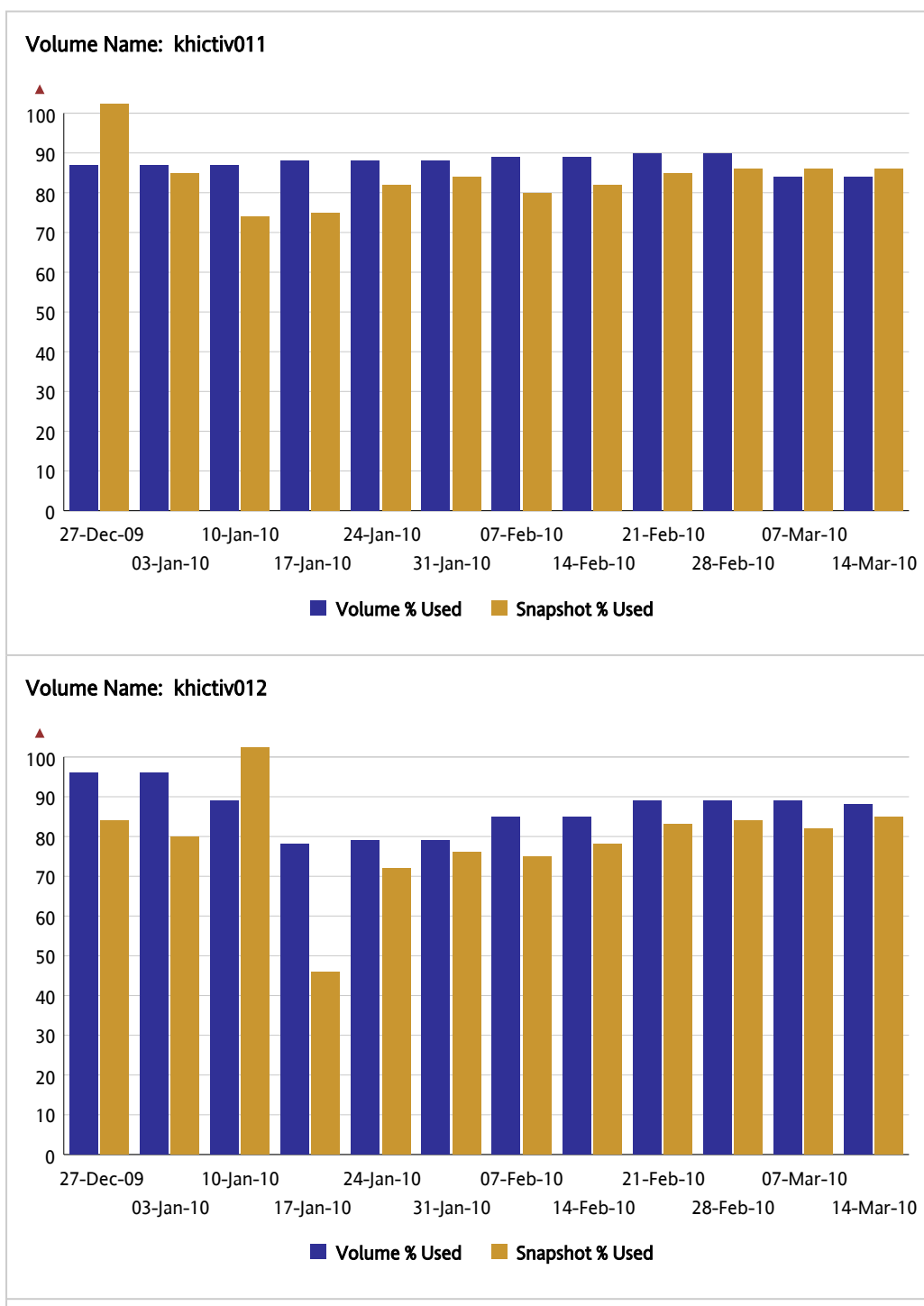




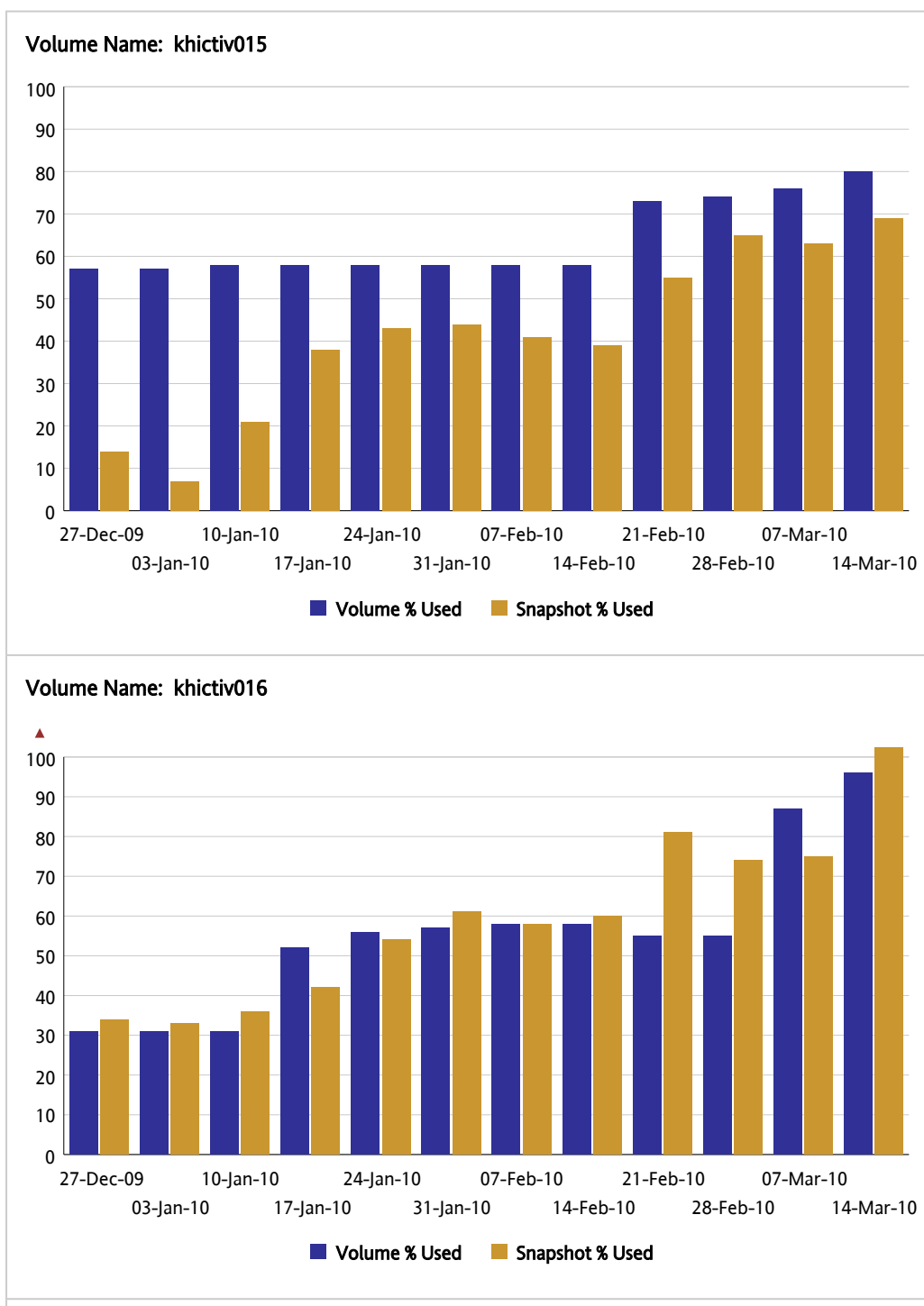




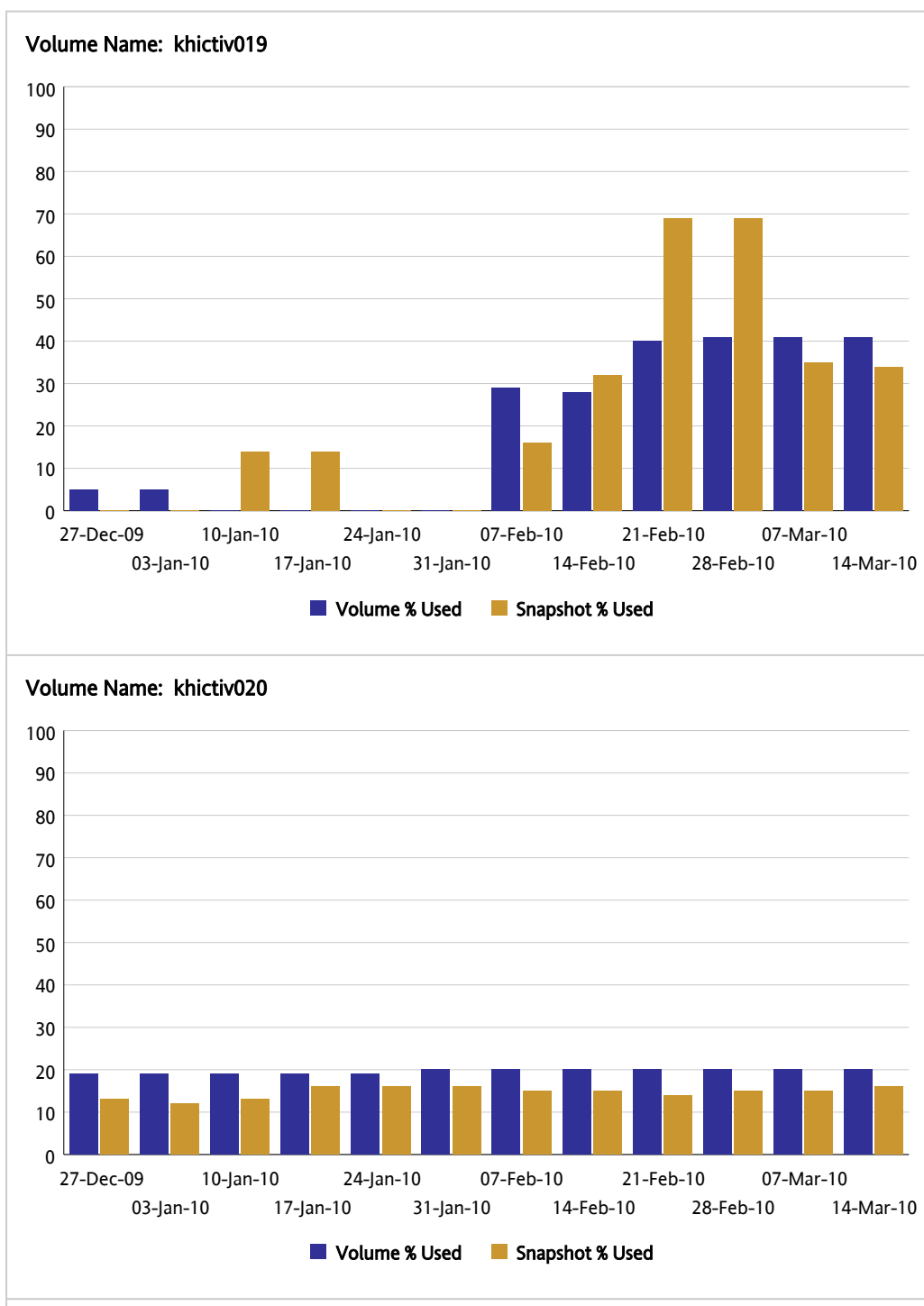


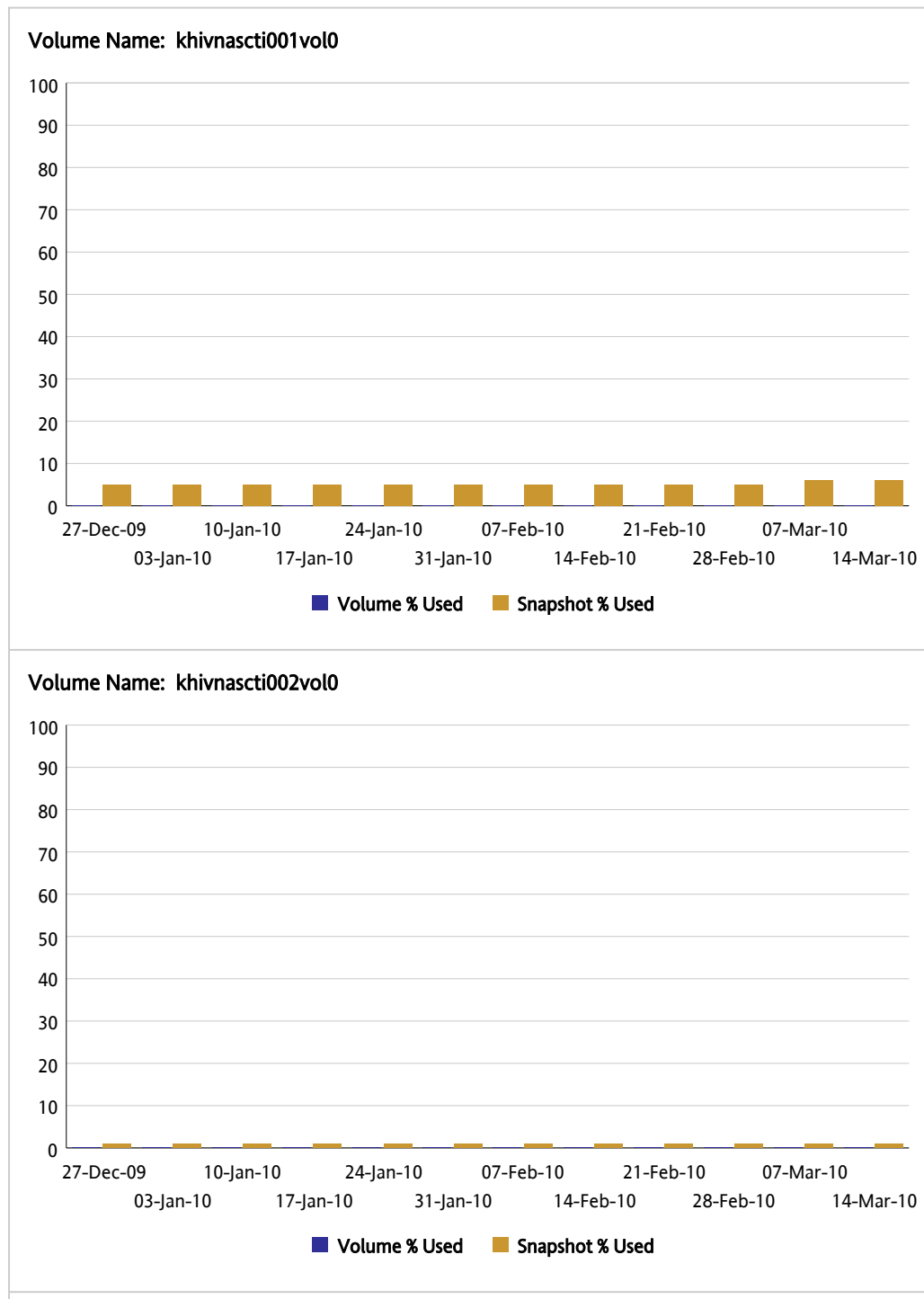




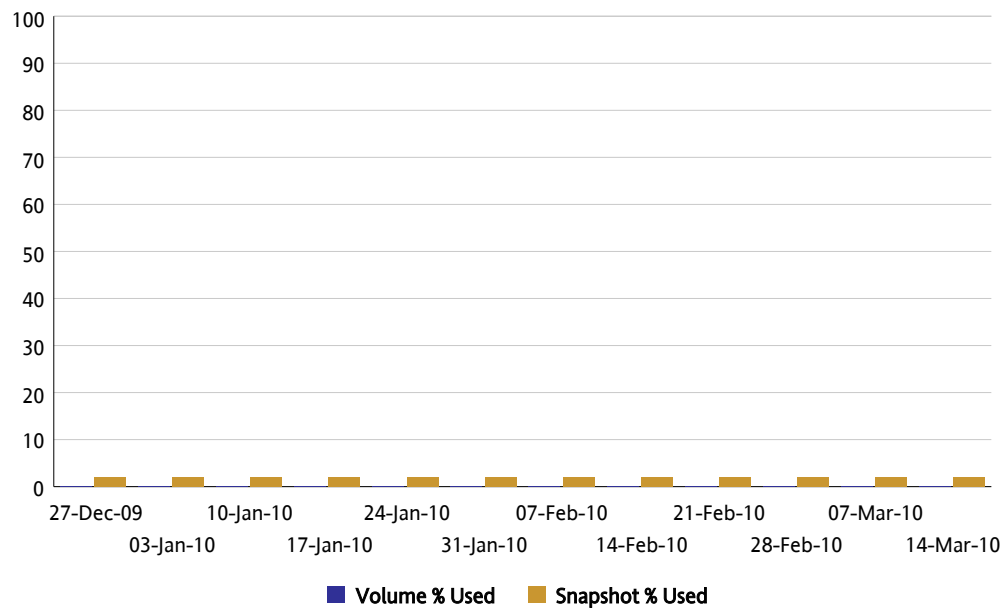




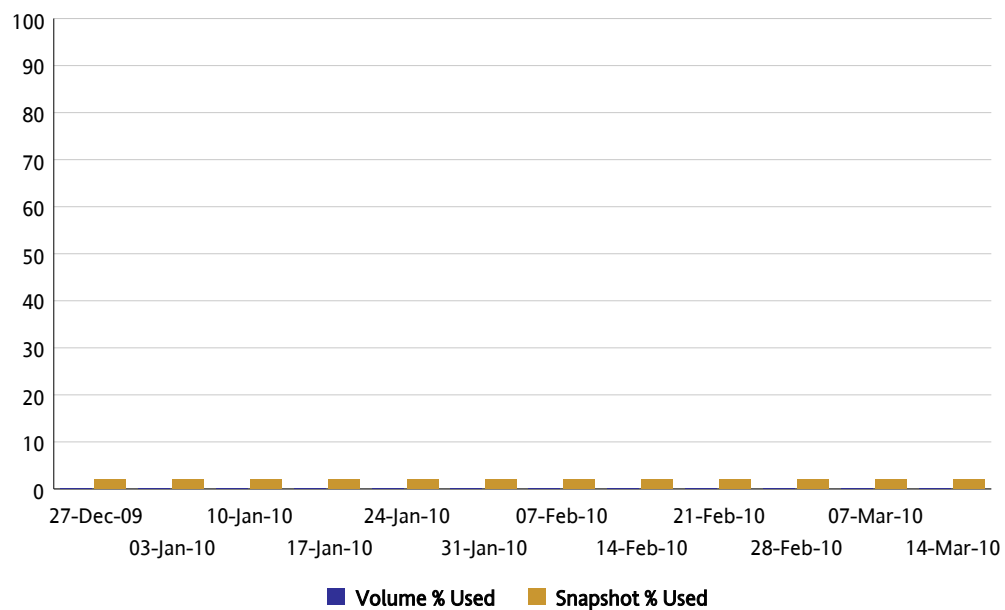




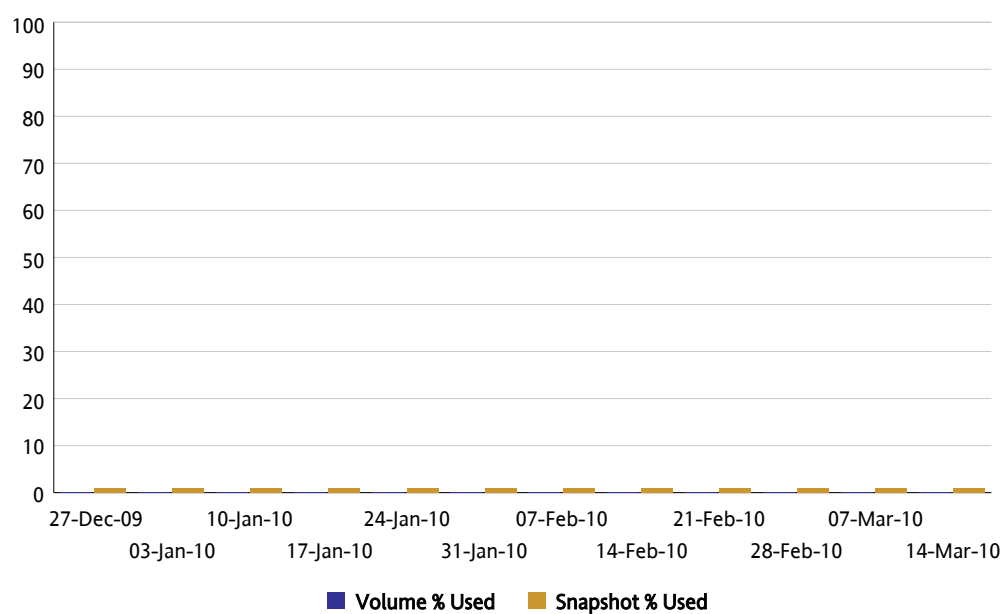
Volume Name: khivnascti003vol0



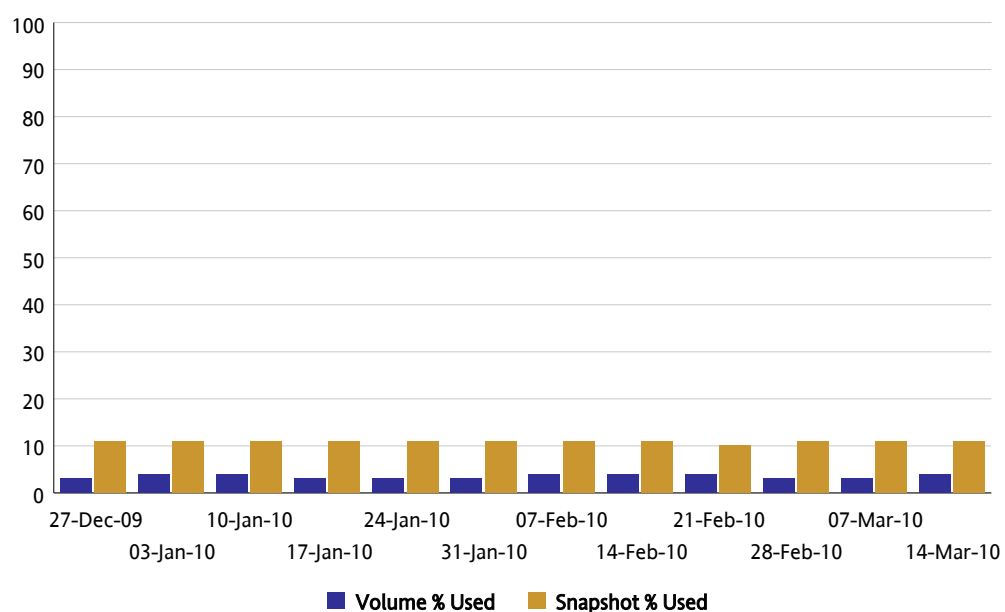
Volume Name: khivnascti004vol0



Volume Name: khivnascti005vol0



Volume Name: vol0



Qtree Status

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr0	khivnascti001vol0	/vol/khivnascti001vol0/-	NORMAL
	khivnascti002vol0	/vol/khivnascti002vol0/-	NORMAL
	khivnascti003vol0	/vol/khivnascti003vol0/-	NORMAL
	khivnascti004vol0	/vol/khivnascti004vol0/-	NORMAL

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr0	khivnascti005vol0	/vol/khivnascti005vol0/-	NORMAL
	vol0	/vol/vol0/-	NORMAL
		/vol/vol0/auditlog	NORMAL
aggr1	khictiv001	/vol/khictiv001/-	NORMAL
		/vol/khictiv001/ctiq001	NORMAL
	khictiv002	/vol/khictiv002/-	NORMAL
		/vol/khictiv002/ctiq002	NORMAL
	khictiv003	/vol/khictiv003/-	NORMAL
		/vol/khictiv003/ctiq003	NORMAL
	khictiv004	/vol/khictiv004/-	NORMAL
		/vol/khictiv004/ctiq004	NORMAL
	khictiv005	/vol/khictiv005/-	NORMAL
		/vol/khictiv005/ctiq005	NORMAL
	khictiv006	/vol/khictiv006/-	NORMAL
		/vol/khictiv006/ctiq006	NORMAL
	khictiv007	/vol/khictiv007/-	NORMAL
		/vol/khictiv007/ctiq007	NORMAL
	khictiv008	/vol/khictiv008/-	NORMAL
		/vol/khictiv008/ctiq008	NORMAL
	khictiv009	/vol/khictiv009/-	NORMAL
		/vol/khictiv009/ctiq009	NORMAL
	khictiv010	/vol/khictiv010/-	NORMAL
		/vol/khictiv010/ctiq010	NORMAL
aggr2	khictiv011	/vol/khictiv011/-	NORMAL
		/vol/khictiv011/ctiq011	NORMAL
	khictiv012	/vol/khictiv012/-	NORMAL
		/vol/khictiv012/ctiq012	NORMAL
	khictiv013	/vol/khictiv013/-	NORMAL
		/vol/khictiv013/ctiq013	NORMAL
	khictiv014	/vol/khictiv014/-	NORMAL
		/vol/khictiv014/ctiq014	NORMAL
	khictiv015	/vol/khictiv015/-	NORMAL
		/vol/khictiv015/ctiq015	NORMAL
	khictiv016	/vol/khictiv016/-	NORMAL
		/vol/khictiv016/ctiq016	NORMAL
	khictiv017	/vol/khictiv017/-	NORMAL
		/vol/khictiv017/ctiq017	NORMAL
	khictiv018	/vol/khictiv018/-	NORMAL
		/vol/khictiv018/ctiq018	NORMAL
	khictiv019	/vol/khictiv019/-	NORMAL

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr2	khictiv019	/vol/khictiv019/ctiq019	NORMAL
	khictiv020	/vol/khictiv020/-	NORMAL
		/vol/khictiv020/ctiq020	NORMAL

There are no LUNs found for this system.

SnapMirror / SnapVault Status

SnapMirror State	Source System	Source Path	Destination System	Destination Path
BROKEN-OFF	khictinas202a	khictiv003	khictinas201a	/vol/khictiv003/-
BROKEN-OFF	khictinas202a	khictiv004	khictinas201a	/vol/khictiv004/-
BROKEN-OFF	khictinas202a	khictiv006	khictinas201a	/vol/khictiv006/-
BROKEN-OFF	khictinas202a	khictiv007	khictinas201a	/vol/khictiv007/-
BROKEN-OFF	khictinas202a	khictiv008	khictinas201a	/vol/khictiv008/-
BROKEN-OFF	khictinas202a	khictiv015	khictinas201a	/vol/khictiv015/-
BROKEN-OFF	khictinas202a	khivnascti001vol0	khictinas201a	/vol/khivnascti001vol0/-
BROKEN-OFF	khictinas202a	khivnascti002vol0	khictinas201a	/vol/khivnascti002vol0/-
BROKEN-OFF	khictinas202a	khivnascti003vol0	khictinas201a	/vol/khivnascti003vol0/-
BROKEN-OFF	khictinas202a	khivnascti004vol0	khictinas201a	/vol/khivnascti004vol0/-
SOURCE	khictinas201a	/vol/khictiv001/-	khictinas202a	/vol/khictiv001/-
SOURCE	khictinas201a	/vol/khictiv002/-	khictinas202a	/vol/khictiv002/-
SOURCE	khictinas201a	/vol/khictiv003/-	khictinas202a	/vol/khictiv003/-
SOURCE	khictinas201a	/vol/khictiv004/-	khictinas202a	/vol/khictiv004/-
SOURCE	khictinas201a	/vol/khictiv005/-	khictinas202a	/vol/khictiv005/-
SOURCE	khictinas201a	/vol/khictiv006/-	khictinas202a	/vol/khictiv006/-
SOURCE	khictinas201a	/vol/khictiv007/-	khictinas202a	/vol/khictiv007/-
SOURCE	khictinas201a	/vol/khictiv008/-	khictinas202a	/vol/khictiv008/-
SOURCE	khictinas201a	/vol/khictiv009/-	khictinas202a	/vol/khictiv009/-
SOURCE	khictinas201a	/vol/khictiv010/-	khictinas202a	/vol/khictiv010/-
SOURCE	khictinas201a	/vol/khictiv011/-	khictinas202a	/vol/khictiv011/-
SOURCE	khictinas201a	/vol/khictiv012/-	khictinas202a	/vol/khictiv012/-
SOURCE	khictinas201a	/vol/khictiv013/-	khictinas202a	/vol/khictiv013/-
SOURCE	khictinas201a	/vol/khictiv014/-	khictinas202a	/vol/khictiv014/-
SOURCE	khictinas201a	/vol/khictiv015/-	khictinas202a	/vol/khictiv015/-
SOURCE	khictinas201a	/vol/khictiv016/-	khictinas202a	/vol/khictiv016/-
SOURCE	khictinas201a	/vol/khictiv017/-	khictinas202a	/vol/khictiv017/-
SOURCE	khictinas201a	/vol/khictiv018/-	khictinas202a	/vol/khictiv018/-
SOURCE	khictinas201a	/vol/khictiv019/-	khictinas202a	/vol/khictiv019/-
SOURCE	khictinas201a	/vol/khictiv020/-	khictinas202a	/vol/khictiv020/-

SnapMirror State	Source System	Source Path	Destination System	Destination Path
SOURCE	khictinas201a	/vol/khivnascti001vol0/-	khictinas202a	/vol/khivnascti001vol0/-
SOURCE	khictinas201a	/vol/khivnascti002vol0/-	khictinas202a	/vol/khivnascti002vol0/-
SOURCE	khictinas201a	/vol/khivnascti003vol0/-	khictinas202a	/vol/khivnascti003vol0/-
SOURCE	khictinas201a	/vol/khivnascti004vol0/-	khictinas202a	/vol/khivnascti004vol0/-
SOURCE	khictinas201a	/vol/khivnascti005vol0/-	khictinas202a	/vol/khivnascti005vol0/-
SOURCE	khictinas201a	/vol/vol0/-	khictinas202a	/vol/vol0dr_m/-

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	gev1	1,000	Full	Full Unknown	On
e0b	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev2	1,000	Full	Full Unknown	On
e0d	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev2	1,000	Full	Full Unknown	On
e2a	Quad 10/100/1000 Ethernet Controller G20	-					Full Unknown	
e2b	Quad 10/100/1000 Ethernet Controller G20	-					Full Unknown	
e2c	Quad 10/100/1000 Ethernet Controller G20	-					Full Unknown	
e2d	Quad 10/100/1000 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	10501541	1.00%
query_file_info	512807270	44.00%
query_path_info	28310362	2.00%
readX	96553470	8.00%
writeX	471397858	41.00%

MultiStore (vFiler)

vFiler Name	vFiler State	vFiler IP Space	UUID (Universal Unique ID)
khivnascti001	RUNNING	default-ipospace	cc2dcaf0-2284-11dd-8f16-00a0980b57b3
khivnascti002	RUNNING	default-ipospace	1cc7af20-2285-11dd-8f16-00a0980b57b3
khivnascti003	RUNNING	default-ipospace	5b526d20-2285-11dd-8f16-00a0980b57b3
khivnascti004	RUNNING	default-ipospace	fec5b020-2284-11dd-8f16-00a0980b57b3
khivnascti005	RUNNING	default-ipospace	61956740-2285-11dd-8f16-00a0980b57b3
vfiler0	RUNNING	default-ipospace	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: khictinas201b
Serial Number: 30003867
Last Update: 14-Mar-2010

Model: FAS3040
O/S: 7.2.5.1P6D15
Partner Name: khictinas201a

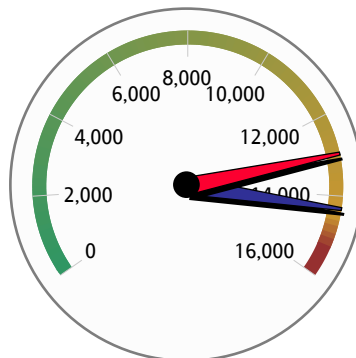
Installed Products

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

Hardware Summary

Component	Count
Shelves	6
Disk	84

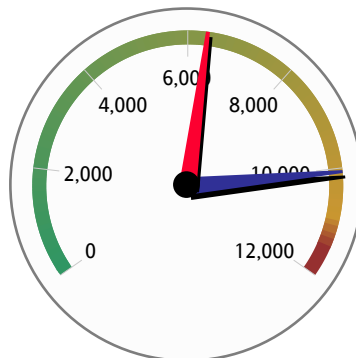
Aggregate Utilization



12,988 Agg GB used out of 14,307 total Agg GB

■ Used Aggregate GB ■ Total Aggregate GB

Volume Utilization



6,359 Vol GB used out of 10,065 total Vol GB

■ 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		BGE 10/100/1000 Ethernet Controller
0		FC Host Adapter (QLogic 2432 rev. 2)
0		NetApp ATA/IDE Adapter
1	X2054A	FC Host Adapter (QLogic 2432 rev. 3)
2		Quad 10/100/1000 Ethernet Controller G20
3		NVRAM VI

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	X279_HVIPB288F15 NETAPP	NA01 NA01		272.00	520	DS14-Mk4-FC	35
DATA	X279_HVPBP288F15 NETAPP	NA02		272.00	520	DS14-Mk4-FC	1
DATA	X279_S15K5288F15 NETAPP	NA01 NA02		272.00	520	DS14-Mk4-FC	27
DPARITY	X279_HVIPB288F15 NETAPP	NA01 NA01		272.00	520	DS14-Mk4-FC	3
DPARITY	X279_S15K5288F15 NETAPP	NA01 NA02		272.00	520	DS14-Mk4-FC	2
PARITY	X279_HVIPB288F15 NETAPP	NA01 NA01		272.00	520	DS14-Mk4-FC	4
PARITY	X279_S15K5288F15 NETAPP	NA01 NA02		272.00	520	DS14-Mk4-FC	1
SPARE	X279_S15K5288F15 NETAPP	NA01 NA02		272.00	520	DS14-Mk4-FC	11
Summary							84

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
DS14-Mk4-FC	ESH4	13	13	1
DS14-Mk4-FC	ESH4	13	13	1
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	73
		aggr1	
		aggr2	
rg1	RAID_DP	aggr1	
		aggr2	

Aggregate and Volume Configuration

Aggregate Name	Volume Name
aggr0	khivnascti006vol0
	khivnascti007vol0
	khivnascti008vol0
	khivnascti009vol0
	khivnascti010vol0
	vol0
aggr1	khictiv021
	khictiv022
	khictiv023
	khictiv024
	khictiv025
	khictiv026
	khictiv027
	khictiv028
	khictiv029
	khictiv030
aggr2	khictiv031
	khictiv032
	khictiv033
	khictiv034
	khictiv035
	khictiv036
	khictiv037
	khictiv038
	khictiv039
	khictiv040

Snapshot Usage Summary

Volume Name	Snapshot Count	Snapshot Schedule	Snapshot Space Reserve %	Snap Reserve Used %
vol0	31	2 13 13@12	20.00%	7.00%
khictiv021	22	2 13 13@0,12	25.00%	89.00%
khictiv022	26	2 13 13@0,12	25.00%	100.00%
khictiv023	18	2 13 13@0,12	25.00%	98.00%
khictiv024	32	2 13 13@0,12	25.00%	29.00%
khictiv025	29	2 13 13@0,12	25.00%	74.00%
khictiv026	29	2 13 13@0,12	25.00%	80.00%
khictiv027	29	2 13 13@0,12	25.00%	62.00%
khictiv028	29	2 13 13@0,12	25.00%	69.00%
khictiv029	29	2 13 13@0,12	25.00%	60.00%
khictiv030	29	2 13 13@0,12	25.00%	38.00%
khictiv031	29	2 13 13@0,12	25.00%	67.00%
khictiv032	29	2 13 13@0,12	25.00%	32.00%
khictiv033	29	2 13 13@0,12	25.00%	50.00%
khictiv034	29	2 13 13@0,12	25.00%	87.00%
khictiv035	29	2 13 13@0,12	25.00%	52.00%
khictiv036	29	2 13 13@0,12	25.00%	29.00%
khictiv037	29	2 13 13@0,12	25.00%	0.00%
khictiv038	29	2 13 13@0,12	25.00%	22.00%
khictiv039	29	2 13 13@0,12	25.00%	66.00%
khictiv040	29	2 13 13@0,12	25.00%	55.00%
khivnascti006vol0	32	2 13 13@0,12	20.00%	2.00%
khivnascti007vol0	30	2 13 13@0,12	20.00%	1.00%
khivnascti008vol0	30	2 13 13@0,12	20.00%	1.00%
khivnascti009vol0	30	2 13 13@0,12	20.00%	1.00%
khivnascti010vol0	30	2 13 13@0,12	20.00%	1.00%

Aggregate Usage Summary

Aggregate Name	Total GB	Used GB	Free GB	Used %	Free %
aggr0	227.00	75.00	152.00	33.00 %	67.00 %
aggr1	7,040.00	6,236.00	803.00	89.00 %	11.00 %
aggr2	7,040.00	6,677.00	362.00	95.00 %	5.00 %

Volume Usage Summary

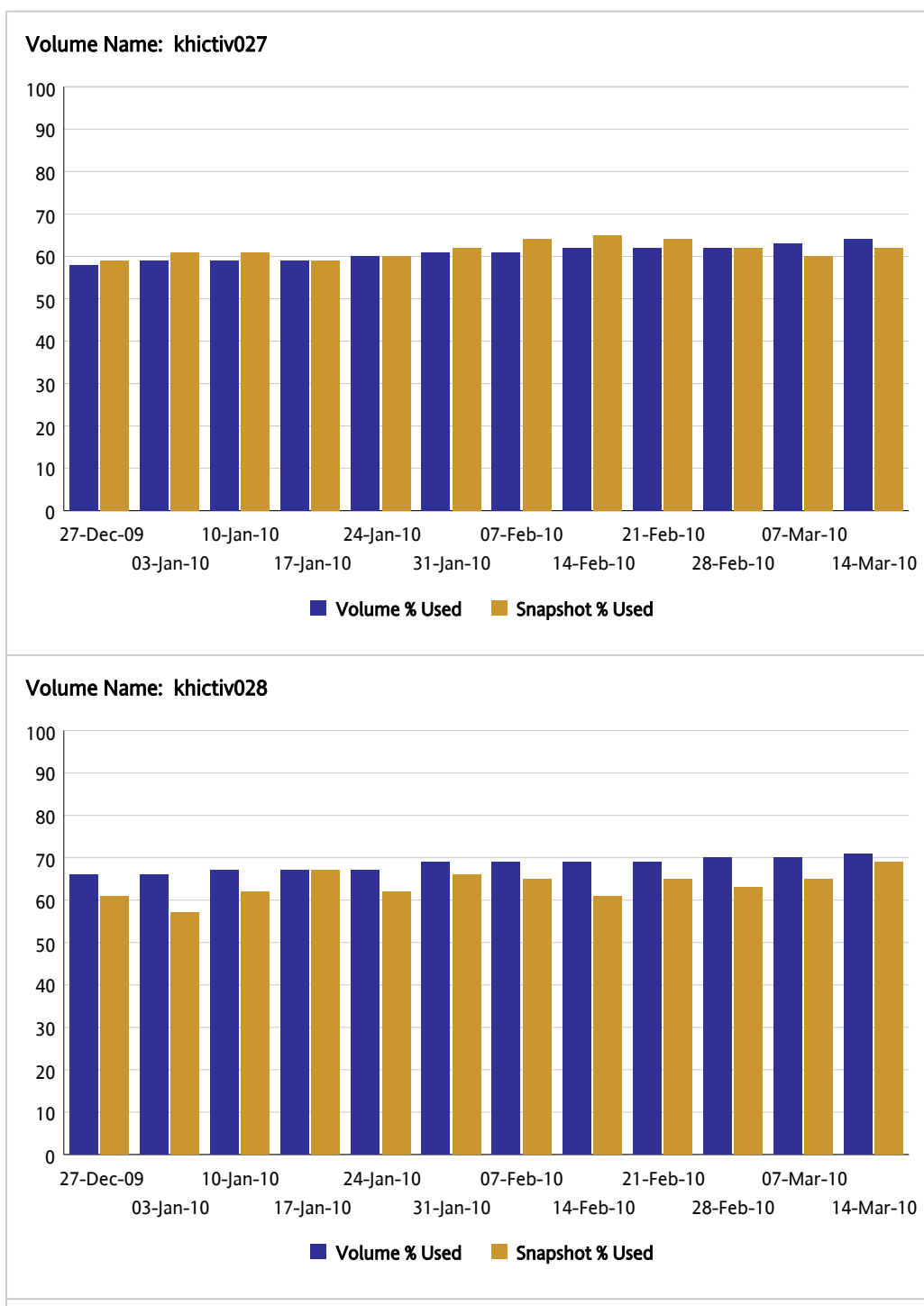
Aggregate Name	Volume Name	Volume Type	Volume State	Total GB	Used GB	Free GB	Used %	Inode Used %
aggr0	khivnascti006vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	khivnascti007vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	khivnascti008vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	khivnascti009vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	khivnascti010vol0	FLEX	ONLINE	4.00	0.00	4.00	0.00 %	0.00 %
	vol0	FLEX	ONLINE	40.00	1.00	39.07	2.00 %	0.00 %
aggr1	khictiv021	FLEX	ONLINE	500.25	394.00	106.31	79.00 %	4.00 %
	khictiv022	FLEX	ONLINE	500.25	450.00	50.73	90.00 %	2.00 %
	khictiv023	FLEX	ONLINE	500.25	419.00	81.04	84.00 %	2.00 %
	khictiv024	FLEX	ONLINE	500.25	178.00	322.48	36.00 %	2.00 %
	khictiv025	FLEX	ONLINE	500.25	312.00	188.52	62.00 %	3.00 %
	khictiv026	FLEX	ONLINE	500.25	395.00	105.73	79.00 %	7.00 %
	khictiv027	FLEX	ONLINE	500.25	319.00	180.97	64.00 %	2.00 %
	khictiv028	FLEX	ONLINE	500.25	353.00	146.95	71.00 %	2.00 %
	khictiv029	FLEX	ONLINE	500.25	283.00	217.55	57.00 %	3.00 %
	khictiv030	FLEX	ONLINE	500.25	242.00	258.26	48.00 %	1.00 %
aggr2	khictiv031	FLEX	ONLINE	500.25	264.00	235.85	53.00 %	4.00 %
	khictiv032	FLEX	ONLINE	500.25	222.00	277.92	44.00 %	1.00 %
	khictiv033	FLEX	ONLINE	500.25	262.00	238.35	52.00 %	3.00 %
	khictiv034	FLEX	ONLINE	500.25	315.00	185.13	63.00 %	7.00 %
	khictiv035	FLEX	ONLINE	500.25	218.00	282.19	44.00 %	4.00 %
	khictiv036	FLEX	ONLINE	500.25	137.00	363.01	27.00 %	2.00 %
	khictiv037	FLEX	ONLINE	500.25	346.00	153.84	69.00 %	2.00 %
	khictiv038	FLEX	ONLINE	500.25	409.00	91.63	82.00 %	1.00 %
	khictiv039	FLEX	ONLINE	500.25	423.00	77.46	85.00 %	14.00 %
	khictiv040	FLEX	ONLINE	500.25	417.00	83.21	83.00 %	11.00 %

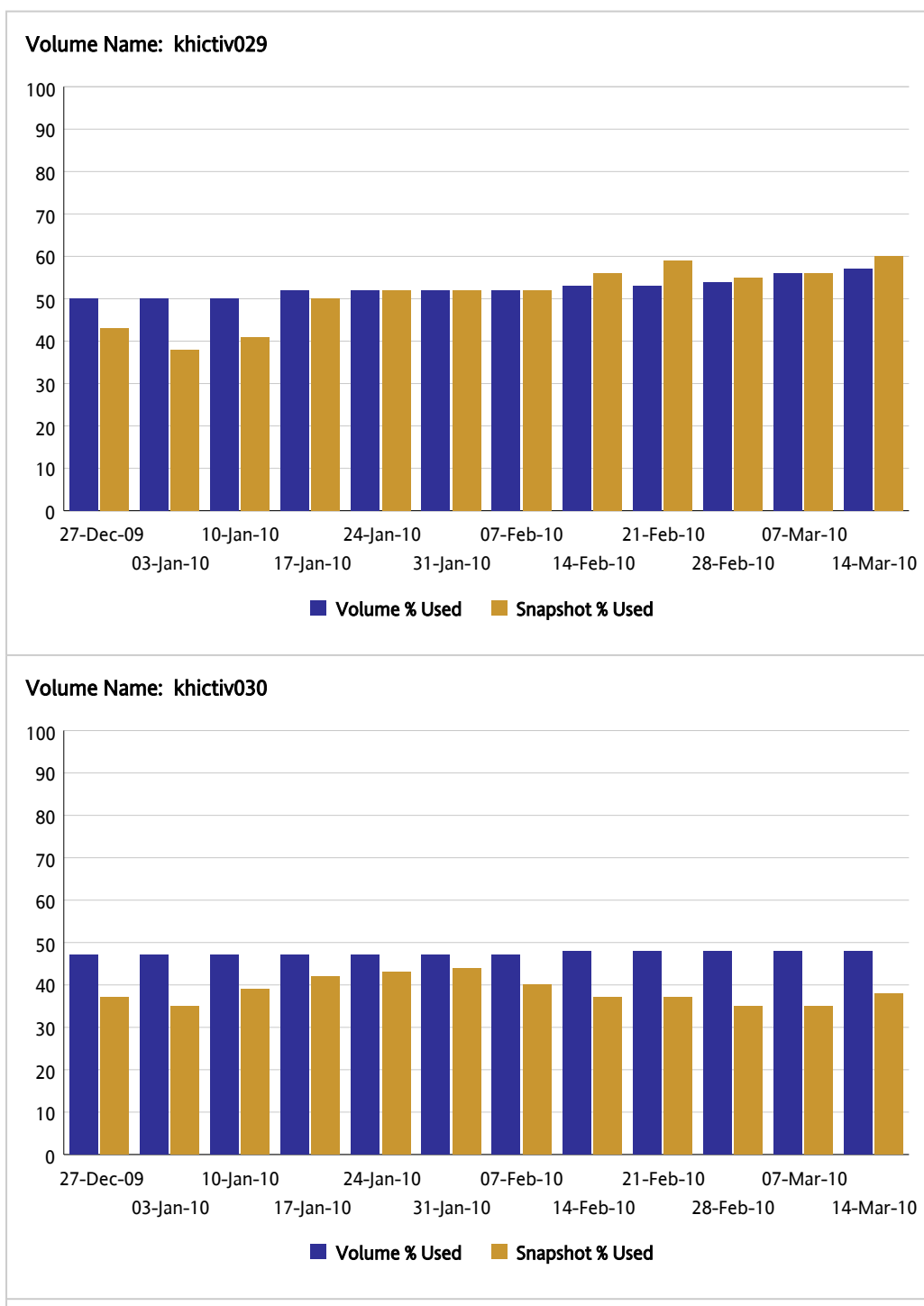
Disk Space Utilization

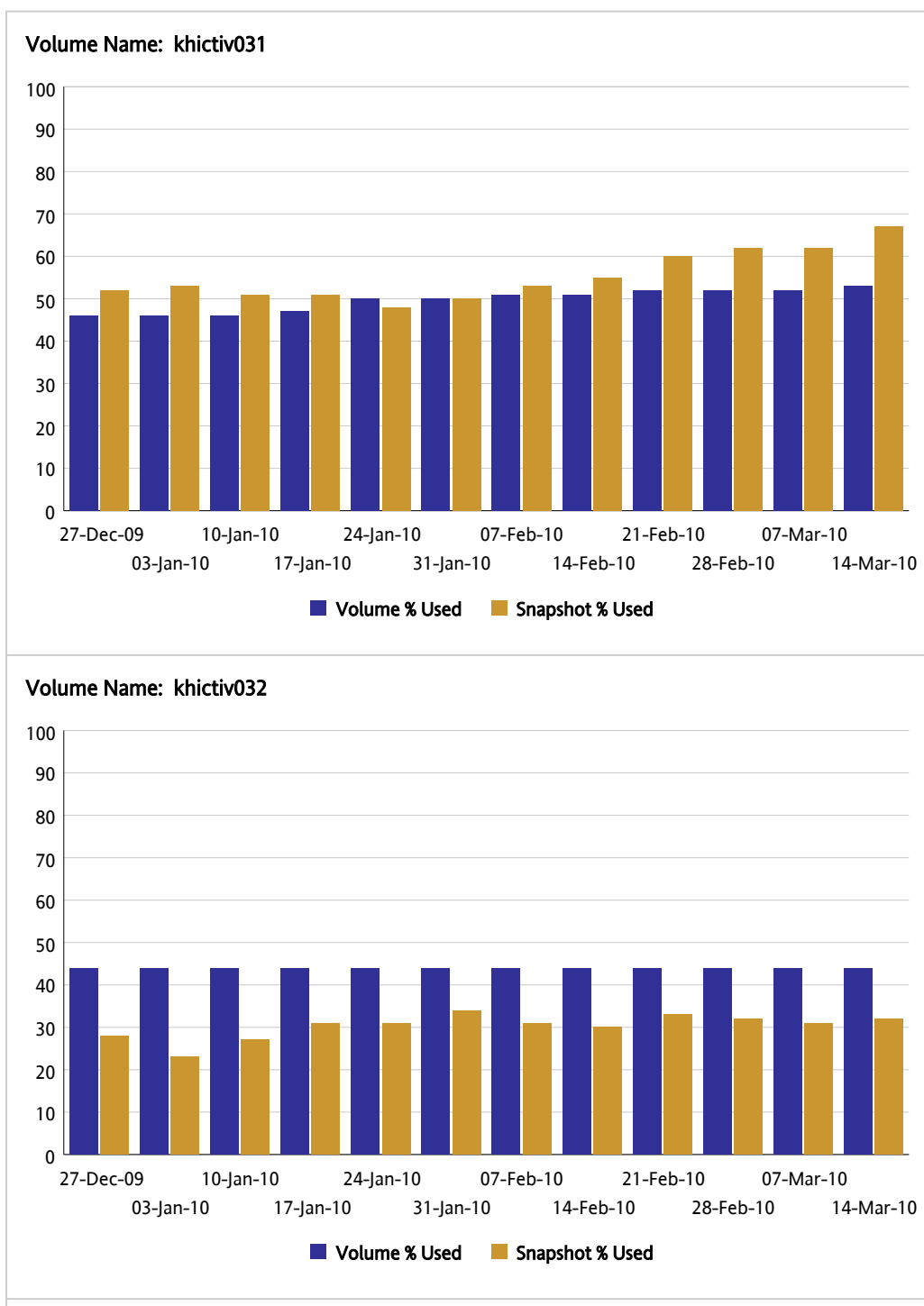




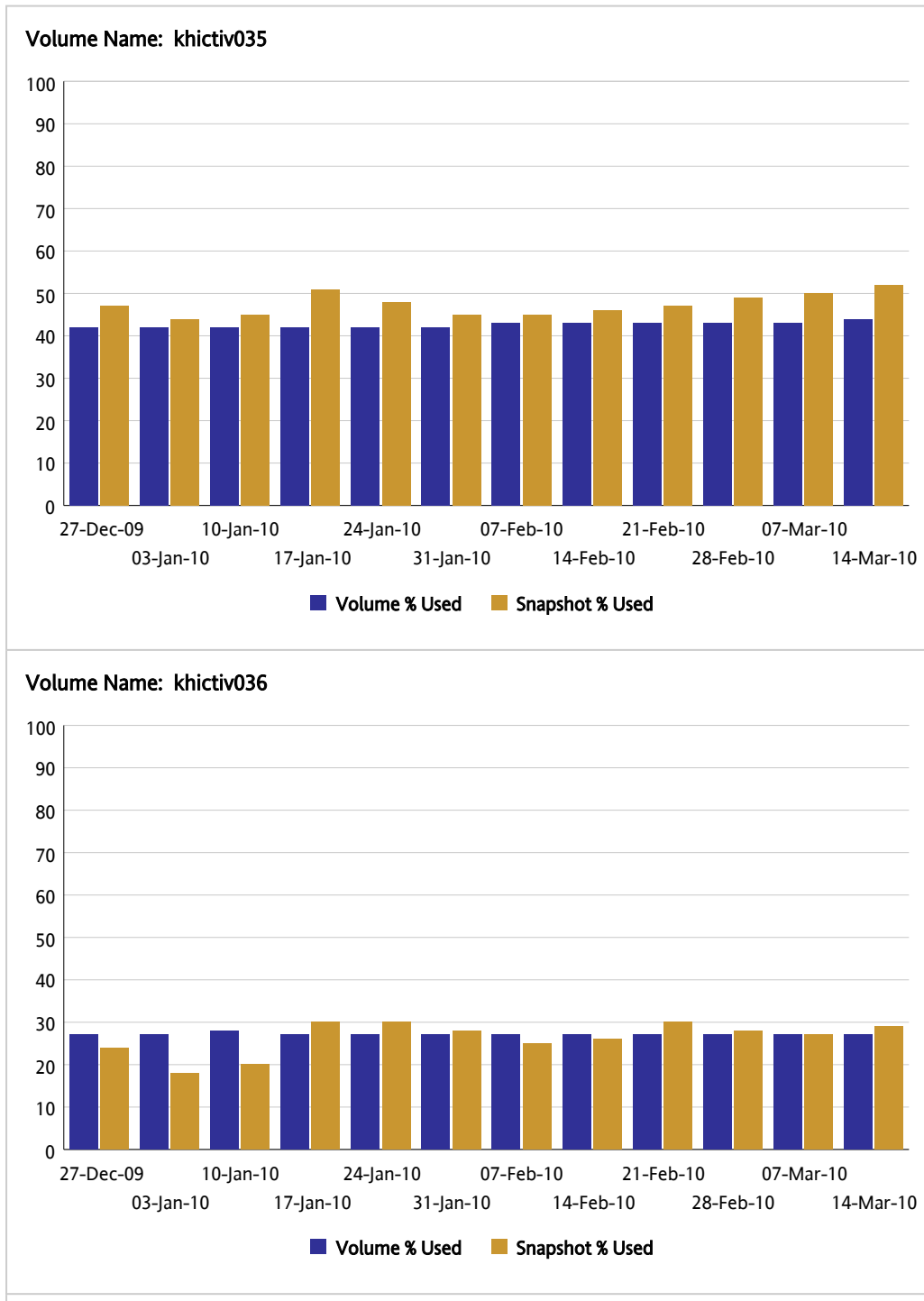


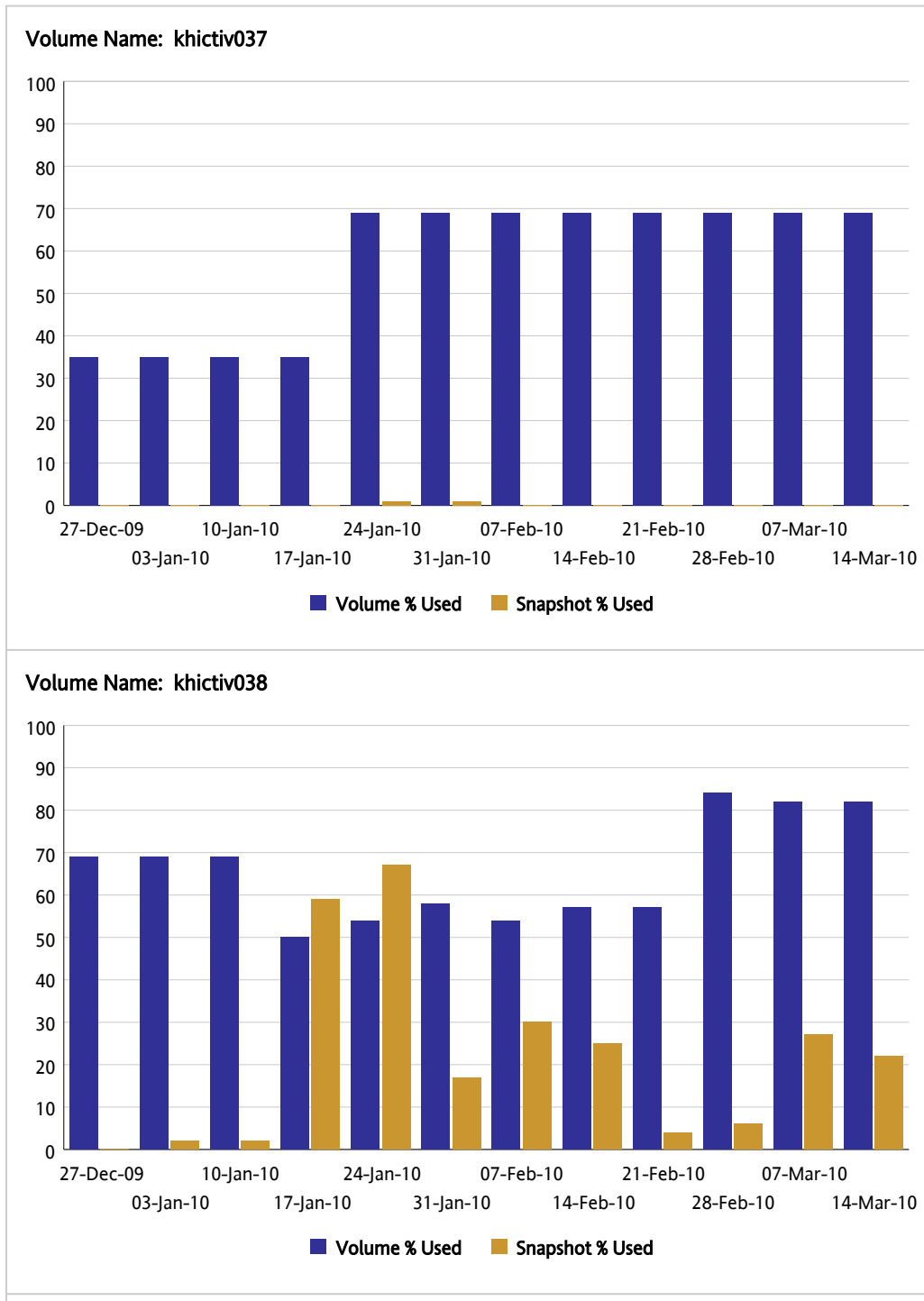






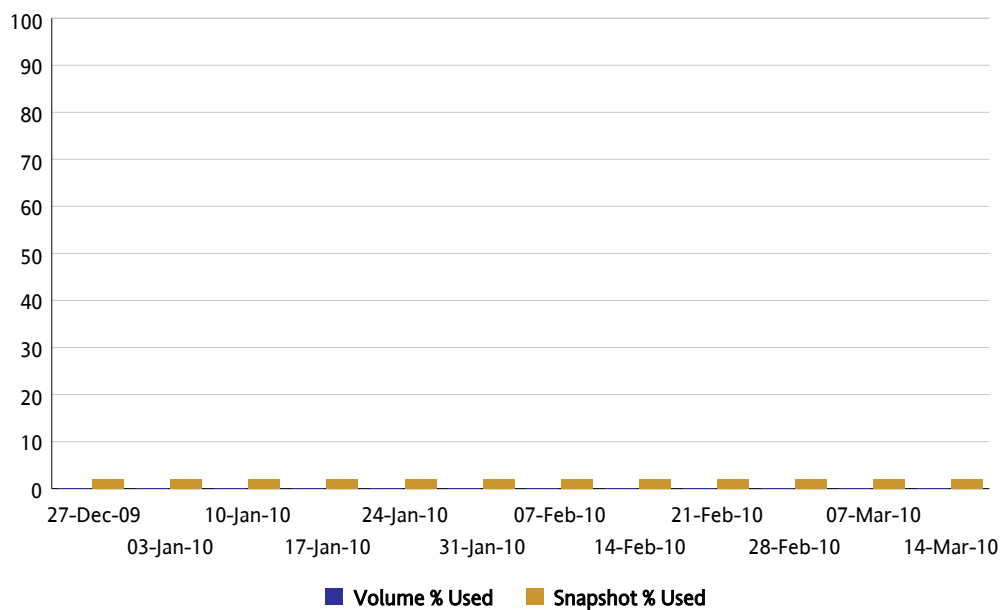




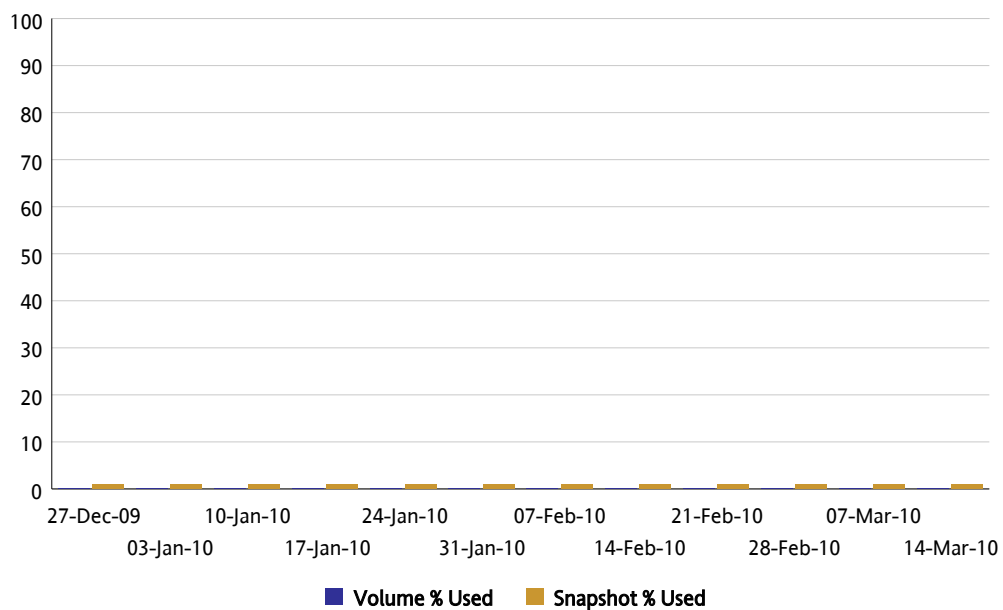




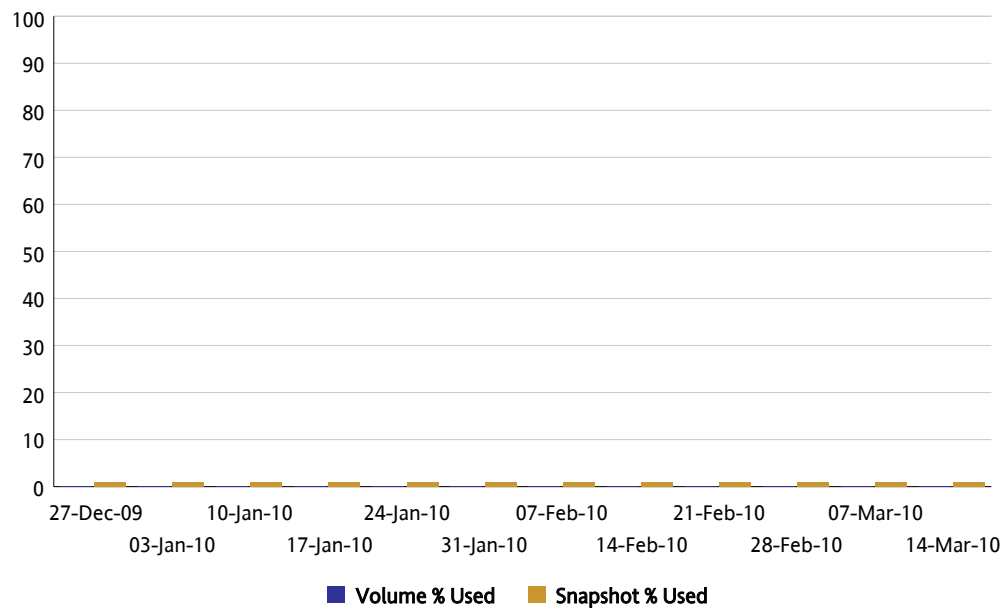
Volume Name: khivnascti006vol0



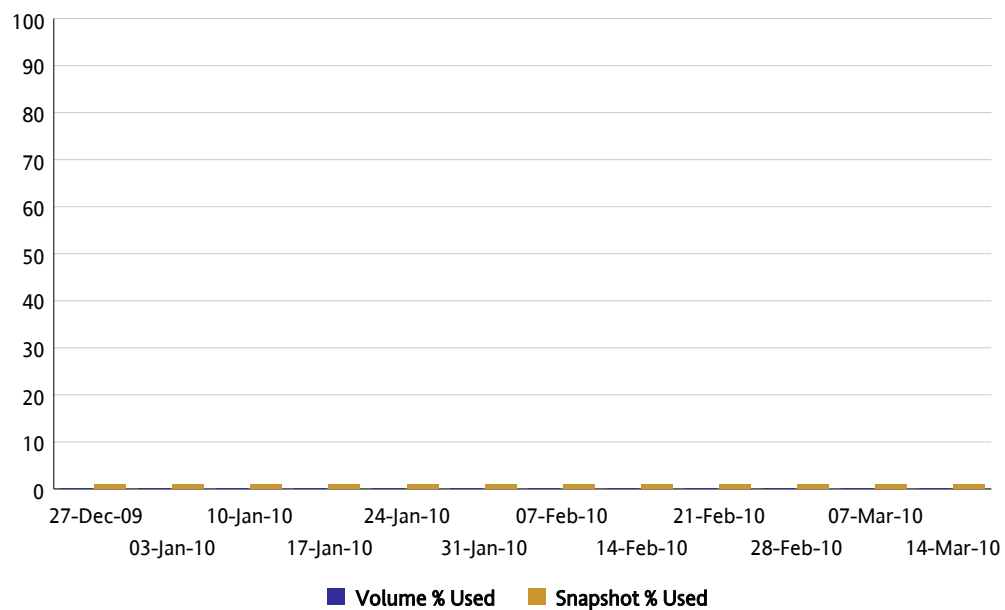
Volume Name: khivnascti007vol0



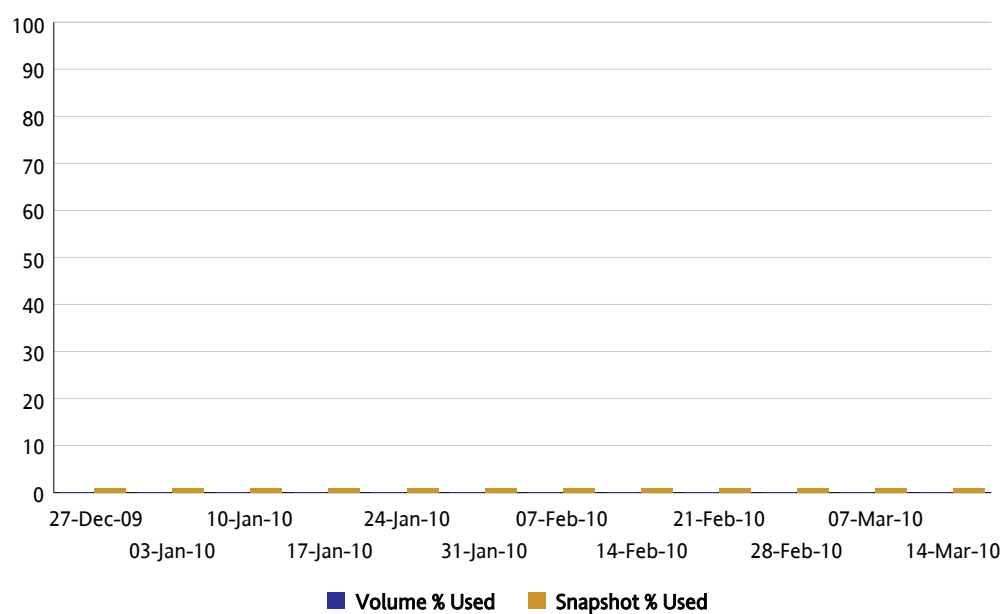
Volume Name: khivnascti008vol0



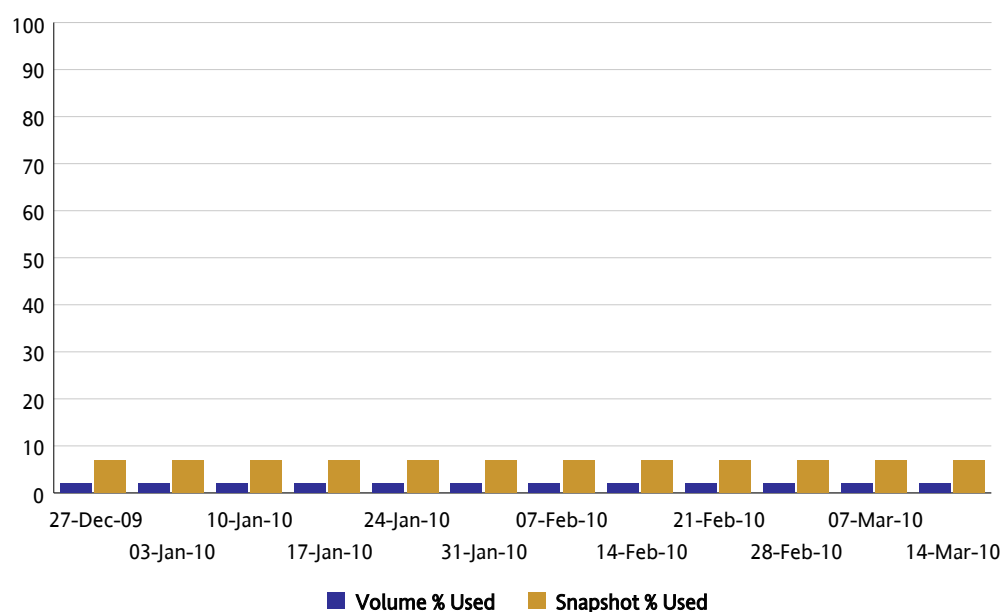
Volume Name: khivnascti009vol0



Volume Name: khivnascti010vol0



Volume Name: vol0



Qtree Status

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr0	khivnascti006vol0	/vol/khivnascti006vol0/-	NORMAL
	khivnascti007vol0	/vol/khivnascti007vol0/-	NORMAL
	khivnascti008vol0	/vol/khivnascti008vol0/-	NORMAL
	khivnascti009vol0	/vol/khivnascti009vol0/-	NORMAL

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr0	khivnascti010vol0	/vol/khivnascti010vol0/-	NORMAL
	vol0	/vol/vol0/-	NORMAL
		/vol/vol0/auditlog	NORMAL
aggr1	khictiv021	/vol/khictiv021/-	NORMAL
		/vol/khictiv021/ctiq021	NORMAL
	khictiv022	/vol/khictiv022/-	NORMAL
		/vol/khictiv022/ctiq022	NORMAL
	khictiv023	/vol/khictiv023/-	NORMAL
		/vol/khictiv023/ctiq023	NORMAL
	khictiv024	/vol/khictiv024/-	NORMAL
		/vol/khictiv024/ctiq024	NORMAL
	khictiv025	/vol/khictiv025/-	NORMAL
		/vol/khictiv025/ctiq025	NORMAL
	khictiv026	/vol/khictiv026/-	NORMAL
		/vol/khictiv026/ctiq026	NORMAL
	khictiv027	/vol/khictiv027/-	NORMAL
		/vol/khictiv027/ctiq027	NORMAL
	khictiv028	/vol/khictiv028/-	NORMAL
		/vol/khictiv028/ctiq028	NORMAL
	khictiv029	/vol/khictiv029/-	NORMAL
		/vol/khictiv029/ctiq029	NORMAL
aggr2	khictiv030	/vol/khictiv030/-	NORMAL
		/vol/khictiv030/ctiq030	NORMAL
	khictiv031	/vol/khictiv031/-	NORMAL
		/vol/khictiv031/ctiq031	NORMAL
	khictiv032	/vol/khictiv032/-	NORMAL
		/vol/khictiv032/ctiq032	NORMAL
	khictiv033	/vol/khictiv033/-	NORMAL
		/vol/khictiv033/ctiq033	NORMAL
	khictiv034	/vol/khictiv034/-	NORMAL
		/vol/khictiv034/ctiq034	NORMAL
	khictiv035	/vol/khictiv035/-	NORMAL
		/vol/khictiv035/ctiq035	NORMAL
	khictiv036	/vol/khictiv036/-	NORMAL
		/vol/khictiv036/ctiq036	NORMAL
	khictiv037	/vol/khictiv037/-	NORMAL
		/vol/khictiv037/ctiq037	NORMAL
	khictiv038	/vol/khictiv038/-	NORMAL
		/vol/khictiv038/ctiq038	NORMAL
	khictiv039	/vol/khictiv039/-	NORMAL

Aggregate Name	Volume Name	Qtree Path Name	Qtree State
aggr2	khictiv039	/vol/khictiv039/ctiq039	NORMAL
	khictiv040	/vol/khictiv040/-	NORMAL
		/vol/khictiv040/ctiq040	NORMAL

There are no LUNs found for this system.

SnapMirror / SnapVault Status

SnapMirror State	Source System	Source Path	Destination System	Destination Path
BROKEN-OFF	khictinas202b	khictiv024	khictinas201b	/vol/khictiv024/-
BROKEN-OFF	khictinas202b	khivnascti006vol0	khictinas201b	/vol/khivnascti006vol0/-
SOURCE	khictinas201b	/vol/khictiv021/-	khictinas202b	/vol/khictiv021/-
SOURCE	khictinas201b	/vol/khictiv022/-	khictinas202b	/vol/khictiv022/-
SOURCE	khictinas201b	/vol/khictiv023/-	khictinas202b	/vol/khictiv023/-
SOURCE	khictinas201b	/vol/khictiv024/-	khictinas202b	/vol/khictiv024/-
SOURCE	khictinas201b	/vol/khictiv025/-	khictinas202b	/vol/khictiv025/-
SOURCE	khictinas201b	/vol/khictiv026/-	khictinas202b	/vol/khictiv026/-
SOURCE	khictinas201b	/vol/khictiv027/-	khictinas202b	/vol/khictiv027/-
SOURCE	khictinas201b	/vol/khictiv028/-	khictinas202b	/vol/khictiv028/-
SOURCE	khictinas201b	/vol/khictiv029/-	khictinas202b	/vol/khictiv029/-
SOURCE	khictinas201b	/vol/khictiv030/-	khictinas202b	/vol/khictiv030/-
SOURCE	khictinas201b	/vol/khictiv031/-	khictinas202b	/vol/khictiv031/-
SOURCE	khictinas201b	/vol/khictiv032/-	khictinas202b	/vol/khictiv032/-
SOURCE	khictinas201b	/vol/khictiv033/-	khictinas202b	/vol/khictiv033/-
SOURCE	khictinas201b	/vol/khictiv034/-	khictinas202b	/vol/khictiv034/-
SOURCE	khictinas201b	/vol/khictiv035/-	khictinas202b	/vol/khictiv035/-
SOURCE	khictinas201b	/vol/khictiv036/-	khictinas202b	/vol/khictiv036/-
SOURCE	khictinas201b	/vol/khictiv037/-	khictinas202b	/vol/khictiv037/-
SOURCE	khictinas201b	/vol/khictiv038/-	khictinas202b	/vol/khictiv038/-
SOURCE	khictinas201b	/vol/khictiv039/-	khictinas202b	/vol/khictiv039/-
SOURCE	khictinas201b	/vol/khictiv040/-	khictinas202b	/vol/khictiv040/-
SOURCE	khictinas201b	/vol/khivnascti006vol0/-	khictinas202b	/vol/khivnascti006vol0/-
SOURCE	khictinas201b	/vol/khivnascti007vol0/-	khictinas202b	/vol/khivnascti007vol0/-
SOURCE	khictinas201b	/vol/khivnascti008vol0/-	khictinas202b	/vol/khivnascti008vol0/-
SOURCE	khictinas201b	/vol/khivnascti009vol0/-	khictinas202b	/vol/khivnascti009vol0/-
SOURCE	khictinas201b	/vol/khivnascti010vol0/-	khictinas202b	/vol/khivnascti010vol0/-
SOURCE	khictinas201b	/vol/vol0/-	khictinas202b	/vol/vol0dr_m/-

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	gev4	1,000	Full	Full Unknown	On
e0b	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev5	1,000	Full	Full Unknown	On
e0d	BGE 10/100/1000 Ethernet Controller	-	auto-1000t-fd-up	gev5	1,000	Full	Full Unknown	On
e2a	Quad 10/100/1000 Ethernet Controller G20	-					Full Unknown	
e2b	Quad 10/100/1000 Ethernet Controller G20	-					Full Unknown	
e2c	Quad 10/100/1000 Ethernet Controller G20	-					Full Unknown	
e2d	Quad 10/100/1000 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	3190301	7.00%
close	2605512	6.00%
flush	6305399	15.00%
readX	2237629	5.00%
writeX	20477701	47.00%

MultiStore (vFiler)

vFiler Name	vFiler State	vFiler IP Space	UUID (Universal Unique ID)
khivnascti006	RUNNING	default-ipospace	598897b0-2285-11dd-a3f6-00a09808f603
khivnascti007	RUNNING	default-ipospace	fb597550-2284-11dd-a3f6-00a09808f603
khivnascti008	RUNNING	default-ipospace	5ce2a2b0-2285-11dd-a3f6-00a09808f603
khivnascti009	RUNNING	default-ipospace	439970d0-2285-11dd-a3f6-00a09808f603
khivnascti010	RUNNING	default-ipospace	d4816de0-2284-11dd-a3f6-00a09808f603
vfiler0	RUNNING	default-ipospace	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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