

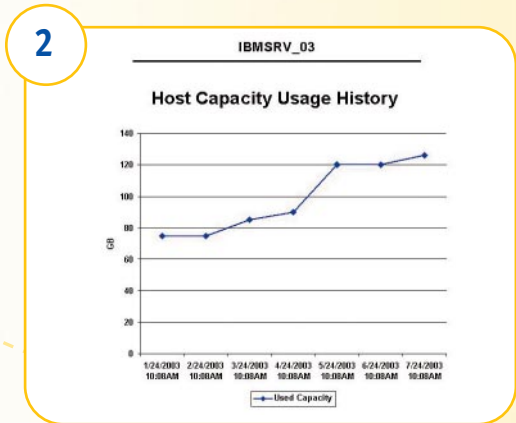
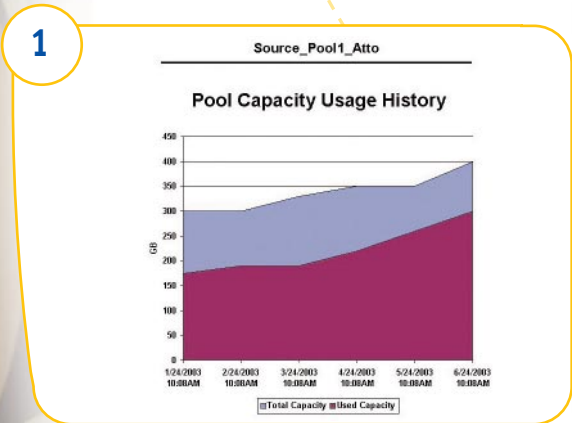
SVM Report Generator

Overview

StoreAge's SVM Report Generator is an external utility, which analyzes data collected by SVM™ (Storage Virtualization Manager) to generate reports on various aspects of storage usage on the SAN. It provides a very useful tool for the Storage Administrator to track parameters such as storage used by specific hosts, storage allocated from specific physical storage devices, and many more. It provides both a "snapshot" of current SAN status as well as historical data to assist in analyzing trends and forecasting demand.

Principles of Operation

The SVM Report Generator is a desktop Microsoft Windows® application. It imports SVM "metadata" and converts it into an MS Access® database. Via the SVM Report Generator GUI, users may generate reports on different resources and access a variety of views of their Storage Devices, Virtual Devices, Snapshots, and the like. In addition, the database retains historical data collected in prior periods enabling the SVM Report Generator to provide reports on the behavior of the various SAN components over time.



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Host Details with Pits Summary

Host Name	Volume Name	Type	Clustered	Capacity (GB)
IBMSRV_03				
	qlnet_01	Volume	<input checked="" type="checkbox"/>	4,883
	qlnet_02	Volume	<input checked="" type="checkbox"/>	9,716
	qlnet_03	Volume	<input checked="" type="checkbox"/>	14,648
	qlnet_04	Volume	<input checked="" type="checkbox"/>	19,521
	qlnet_05	Volume	<input checked="" type="checkbox"/>	1,963
				Capacity of Pits
				24,004
IBMSRV_04				
	qlnet_02	Volume	<input checked="" type="checkbox"/>	1,963
	qlnet_04	Volume	<input checked="" type="checkbox"/>	16,802
	qlnet_03	Volume	<input checked="" type="checkbox"/>	10,742
	qlnet_02	Volume	<input checked="" type="checkbox"/>	6,696
	qlnet_01	Volume	<input checked="" type="checkbox"/>	2,950
				Capacity of Pits
				29,521

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Host-Disk

Host Name	LUN
IBMSRV_03	200000 1066103d34010000000000000000
IBMSRV_04	200000 1066103d34020000000000000000
IBMSRV_05	200000 1066103d34030000000000000000
IBMSRV_06	200000 1066103d34010000000000000000
	200000 1066103d34020000000000000000
	200000 1066103d34030000000000000000
	200000 1066103d34040000000000000000
	200000 1066103d34050000000000000000
	200000 1066103d34060000000000000000
IBMSRV_07	200000 1066103d34010000000000000000
IBMSRV_08	200000 1066103d34020000000000000000

R eports

Physical Location of Virtual Devices

A comprehensive list of all Volumes per Physical Device is presented in this report.

Host Storage Resources

This report provides a general overview of SVM storage allocations to all hosts in the SAN. The report presents a list of Virtual Volumes and Snapshots per host.

Connectivity Check List

Based on SVM metadata, this report presents the overall picture of the accessibility requirements in a SAN. It lists all required host-storage access configurations, and is particularly helpful for verifying LUN Masking and Switch Zoning definitions.

Overall Capacity Utilization

A list of all Storage Pools and their free capacity is provided in this report.

Overall Host Storage Resources

This report presents a global overview of storage allocation to the various Hosts within a SAN.

Historical Storage Utilization Overview

By periodic importing of SVM metadata to the SVM Report Generator, the user will get a graphical representation of storage utilization, per Host or per Storage Pool, over time. This report is particularly useful in identifying usage trends. Knowing that a volume is 80% full does not provide a full picture. It is important to understand the rate at which the free capacity is being accessed.

Desktop Application

SVM Report Generator provides administrators with a powerful tool for generating and analyzing their storage resources offline, from their Windows desktop, while they are not connected to the SAN.

P rerequisites

StoreAge SVM (Storage Virtualization Manager), a 1U, rack-mountable Virtualization Appliance and associated host agents, installed in the SAN.
Microsoft MS Access 2000

P latforms Supported

Microsoft® Windows® 2000, Microsoft® Windows® XP, Microsoft® Windows Server® 2003

A bout SVM™

SVM (Storage Virtualization Manager) is a SAN appliance that provides virtual volume management in heterogeneous environments. The SVM features storage capacity and storage performance pooling across the entire SAN storage domain. Uniquely designed to virtualize storage off the data path, the SVM does not impose any performance penalty and delivers a highly scalable and highly available SAN infrastructure at levels not found with alternative approaches.

The SVM provides centralized management for distributed enterprise storage, significantly reducing the Total Cost of Ownership. It is an ideal platform for SAN-aware Storage Applications such as Remote Mirroring, Snapshot and others and a key enabler for business continuity strategies.



StoreAge
networking technologies

StoreAge Networking Technologies Inc.

One Technology Drive
Building C515, Irvine, CA 92618, USA
Tel: 949 754 0640 Fax: 949 754 0645

email: info@store-age.com

StoreAge Networking Technologies Ltd.

63 Bar Yehuda Rd.
Nesher 36651, Israel
Tel: +972 4 8203454 Fax: +972 4 8203464

www.store-age.com

The Virtualization Architects