

SAN management software is now more open to an open-systems philosophy

Company	Product	Description	Main features	Supported devices	Price
BakBone Software Inc. San Diego 858-450-9009 www.bakbone.com	NetVault 6.5.1	Backup and recovery storage management software that scales from workgroups to enterprise-level systems; simultaneously manages LAN, SAN and NAS architectures	Drive sharing, SAN and NAS convergence, disaster recovery, open-file management, virtualized network storage, multivendor API modules, library sharing	Ancor, Brocade, Chaparral, EMC, FalconStor, Gadzoox, Network Appliance, Nishan Systems, NSS, Procom, Vixel	\$695 up
Brocade Communications Systems Inc. San Jose, Calif. 408-487-8000 www.brocade.com	Fabric OS 2.6.0c	Suite of software management software tools for Brocade switches	Web browser-based, fabric API for non-Brocade software vendors, enhanced performance module, SAN health and performance monitoring, high-availability monitoring, support for legacy equipment	Brocade switches	Free with Brocade switches
Compaq Computer Corp. Houston 800-282-6672 www.compaq.com	Open SAN Manager 1.0	Centralized, appliance-based monitoring and management software for Compaq's Open SAN architecture	Web interface, provides the launch point for other Compaq SANworks monitoring and management packages	Compaq SANworks Management Appliance II	Free with SANworks Management Appliance II
Computer Associates International Inc. Icelandia, N.Y. 631-342-6000 www.ca.com	BrightStor SAN Manager 1.0	Business-centric SAN management software that simplifies control of heterogeneous networked storage resources; when used with CA-Unicenter, extends other software management tools into the SAN infrastructure	Groups SAN assets according to a specific business function; includes advanced discovery, visualization, real-time monitoring	Most SAN devices	Still in beta testing
DataCore Software Corp. Fort Lauderdale, Fla. 954-377-6000 www.datacore.com	SANsymphony 5.0	Open systems storage networking platform that manages maximum disk utilization, automates and simplifies SAN management tasks, and eliminates downtime and enhances connectivity	Mixes and matches a wide variety of systems and hardware, including legacy storage equipment	Most leading SAN devices	\$70,000 up
Dot Hill Systems Corp. Carlsbad, Calif. 760-931-5500 www.dothill.com	SANscape 2.4	SAN management software suite enables enterprisewide administration of Dot Hill's SANnet storage systems across existing LANs and WANs	Java, single-console centralized management, intuitive user interface, SAN monitoring and event notification, SAN configuration tools	All Dot Hill SANnet storage systems	Free with Dot Hill SAN hardware
EMC Corp. McLean, Va. 703-970-5818 www.emc.com	ESN Manager 2.0	A module of EMC's ControlCenter/Open Edition suite; enables SAN management through a single interface; offers multivendor server, SAN and storage array support	Centralized SAN management, device masking for multivendor storage arrays, security features for individual path management, real-time monitoring	EMC, Brocade, Connetrix, QLogic Storage Arrays	Depends on configuration
FalconStor Software Corp. Melville, N.Y. 631-777-5188 www.falconstor.com	IPStor 3.0	Suite of storage management, data availability and data recovery software that is built on open standards for SAN and NAS support	Java, single-console design, central access control, automatic failover configuration, synchronous mirroring option, disk space monitoring, intrusion prevention	Most SAN devices	\$10,000 per Unix server, \$20,000 per Solaris server
Gadzoox Networks Inc. San Jose, Calif. 408-360-4950 www.gadzoox.com	Ventana SAN Manager 3.0	A software suite for monitoring and controlling Gadzoox hubs and switches in a SAN	Device and node monitoring and mapping, SAN discovery and topology mapping, asset mapping, network diagnostics, traffic analysis, policy management, remote/centralized management, high availability with fault tolerance, SNMP alert notification and security	Gadzoox hubs and switches; other vendors' products with appropriate APIs	Free with Gadzoox SAN hardware
Hewlett-Packard Co. Palo Alto, Calif. 650-857-1501 www.hp.com	SureStore SANmaster 2.0	SAN management software with complete remote monitoring for enterprise-level requirements	Web interface, monitoring, centralized database, detection and alert management, remote administration, reporting and trends management	HP SAN devices	Free with HP SAN devices
IBM Corp. Armonk, N.Y. 914-499-1900 www.ibm.com	Tivoli Storage Network Manager 5.1	Open-systems, scalable software suite that monitors and manages SAN fabric components and allocates attached disk storage resources	SAN fabric management, logical unit number (LUN) and disk management, automatic file extension	Open systems	Depends on configuration
McData Corp. Broomfield, Colo. 303-460-9200 www.mcdata.com	SANavigator 3.0	A suite that addresses the entire SAN lifecycle with discovery, planning, configuration and management modules	Heterogeneous zoning of multiple devices, day-to-day task automation, SAN device and fabric reporting, ODBC data export capability	McData SAN hardware	Free with McData SAN devices
nStor Technologies Inc. San Diego 858-453-9191 www.nstor.com	AdminiStor Plus 6.2	Centralized remote management software for controlling primary storage assets; monitors and reports SAN component status and manages disk arrays in direct-connect or SAN environment	Java user interface, definition of RAID configurations, LUN mapping, alert notification, access to event database via the Internet or LAN, real-time problem reporting, interfaces with most leading network management software	nStor storage hardware	Free with nStor devices
QLogic Corp. Aliso Viejo, Calif. 949-389-6000 www.qlogic.com	SANsurfer Tool Kit 1.1	Configures and manages QLogic SAN fabrics from a single intelligent user interface	Includes SANbox Manager, which monitors and controls heterogeneous SAN fabrics, and SANblade Manager, which monitors and configures QLogic Fibre Channel host bus adapters (HBAs)	QLogic SAN devices	Free with QLogic switches and HBAs
StorageNetworks Inc. Waltham, Mass. 781-622-6700 www.storagenetworks.com	STORos 5.0	Enterprise storage management software for heterogeneous storage environments; supports both storage and data management applications	Integrated SAN, NAS, backup and direct attached storage in a single application	Open systems	Depends on configuration
Sun Microsystems Inc. Santa Clara, Calif. 650-960-1300 www.sun.com	StorEdge 2.0	A set of storage management software suites focusing on system availability, utilization, performance and storage resource management	Local and remote point-in-time copy and remote mirroring, automated storage management, shared file system service, monitoring, alerts, proactive storage growth management	Sun storage hardware	Free with Sun's storage systems
Veritas Software Corp. Mountain View, Calif. 650-527-8000 www.veritas.com	SANPoint Control 2.1	Enterprise-level management software for automatically locating, viewing and administering SAN-connected devices from a single console	Automatic discovery of all SAN resources, real-time event viewer, displays SAN details from the fabric, host, storage and device perspective	Open systems	\$11,999 for data center server
Xiotech Corp. Eden Prairie, Minn. 952-983-3000 www.xiootech.com	REDI Storage Manager 2.0	Implements true storage virtualization by combining the performance and capacity of up to 64 physical disks into a large storage pool	Online addition of disks, assigns storage volumes to multiple servers, mixes and matches drive size and speeds	XIOtech Magnitude devices	Free with XIOtech Magnitude hardware