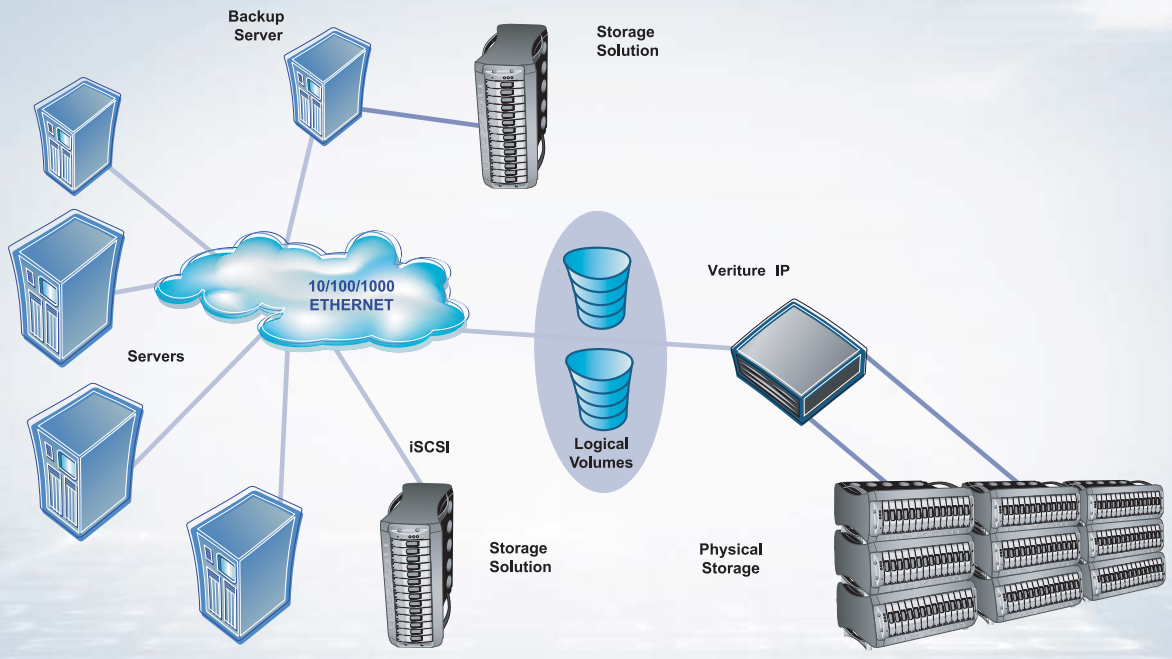
Veriture iP

Veriture iP™ from Nexsan Technologies is a new class of end-to-end IP SAN appliances that can be deployed with external storage arrays to offer functionality normally associated with midrange storage systems costing far more. Based on TCP/IP, Ethernet and iSCSI technologies, Veriture iP gives users a new alternative in storage networking. Veriture iP adds intelligent storage management to standard IP networks reducing the cost and complexity of managing always-expanding storage assets while prolonging the life and productivity of existing storage and network resources.

Veriture iP is standards-based and features an easy-to-use HTML-based user interface. By adding block-level storage intelligence to the IP networking core, Veriture iP users get all the benefits of SANs (Storage Area Networks), including efficient storage utilization through storage consolidation, feature-rich managed storage capabilities, rapid deployment of new storage and SAN-based backup capabilities. In addition, an intelligent iSCSI storage packet routing technology provides an extensible in-band metadata storage-mapping layer that presents physical storage devices as a common storage pool.

The Veriture iP architecture is extensible, allowing additional storage management applications to simply be plugged in without additional host agents. Veriture iP ensures data integrity through an embedded relational database that keeps track of physical data locations. This multiplies network intelligence by supplying non-disruptive online storage management, including automated consolidation of free storage space to maximize physical storage resources.

Through more efficient storage usage, improved administrative productivity and reduced network complexity, Veriture iP achieves a fast return on investment. Veriture iP supplies users with the storage management they need with a lower total cost of ownership and with far less complexity than other SAN alternatives.



Storage Concentrators

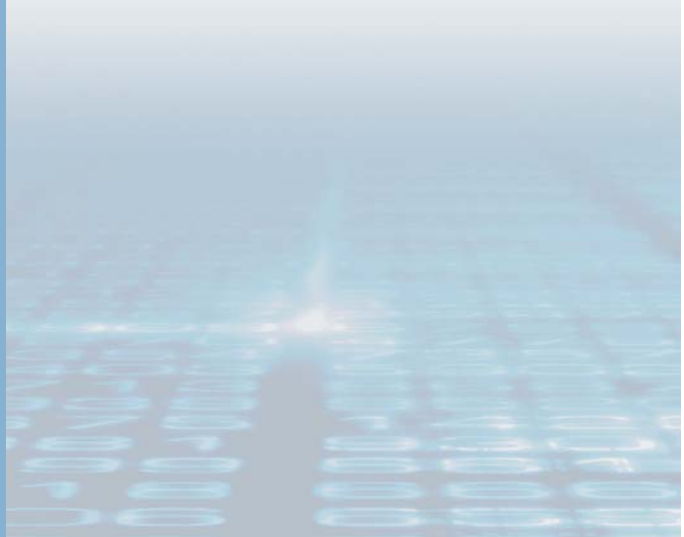
Veriture iP makes it easy to turn an IP network into a storage network. It operates in the network core providing storage provisioning that improves both storage utilization and administrative efficiency through "storage intelligence". Because Veriture iP features an easy-to-use HTML-based GUI, an administrator can manage storage operations from anywhere on the Internet.

Veriture IP features three parallel SCSI storage interfaces along with two gigabit Ethernet ports and two 10/100 management ports (one each active and one for future expansion).

Veriture IP operates in a 1U Box to free up rack space.

About Veriture iP

Veriture iP simply and affordably adds intelligent storage management to standard IP networks to reduce the cost and complexity of managing a company's always-expanding storage assets. The Veriture iP SAN products use a storage networking architecture that consolidates and optimizes storage assets while lowering storage management acquisition costs and ongoing support costs.



Feature Benefits

IP NETWORK-BASED SAN INTELLIGENCE
- Universal connectivity on IP networks
- Uses existing network infrastructure
- No retraining of personnel on new technologies
- No inherent distance limitations for IP networks

STORAGE PROVISIONING
- Users can access storage without needing to know where devices are located or how they are configured
- Maximizes utilization of storage resources and eliminates waste by freeing stranded storage, making it available on the IP network
- Quickly responds to changes in storage requirements

SAN-BASED BACKUP
- Helps administrators consolidate backup processes for faster, more reliable backups
- Supports tape-less backup for almost instantaneous restores

HOST INDEPENDENT
- No host license charges
- No software agents to configure and manage on individual hosts/operating systems
- Reduction in storage administration overhead

SNMP-BASED
- IP standard-based management
- Uses enterprise MIB commands

HTML-BASED GUI MANAGEMENT
- Centralized storage management, control and monitoring of virtualized storage clusters
- Access and administer changes from any browser anywhere
- Secure access (https)
- Easy and intuitive to use

STORAGE DEVICE INDEPENDENCE
- Works with Parallel SCSI storage devices, regardless of the vendor
- Works with Parallel SCSI and Fibre Channel* storage devices, regardless of the vendor

ACCESS CONTROL LISTS
- Allows administrator to designate which physical storage devices are accessible to individual hosts (initiators), and specify full, read only, read/write, or no access

FIELD UPGRADEABLE
- Software field upgrades via FTP download

HIGH AVAILABILITY
- Local and remote copies of customer configuration data

Specifications

PROTOCOLS & STANDARDS PROTOCOLS

iSCSI (IETF Version 0.8)
IP (RFC 791, 894, 1092)
TCP (RFC 793)
IMCP (RFC 792, 950, 1256)
SCSI-2 and SCSI-3

INITIATORS & TARGETS

Up to 16 Windows 2000/NT or Linux initiators
With Three Parallel SCSI Ports: Up to 45 Parallel SCSI storage devices (targets)

LOGICAL VOLUME MANAGEMENT

LUN Size: Minimum 1 GB
Maximum 2 Terabytes
Maximum Number of LUNs: 65,536

MANAGEMENT

Telnet (RFC 854)
SNMP v2c (RFC 1904-1908)
MIB-II (RFC 1214)
MIB-iSCSI
StoneFly Enterprise MIB
HTML
HTTPS

IEEE

IEEE 802.3 (10/100 Ethernet)
IEEE 802.3z (Gigabit Ethernet)

PHYSICAL & ENVIRONMENTAL PORTS

Three Parallel Ultra 160 SCSI buses (VH-DCI cable)

DIMENSIONS

17.6" W x 24" L x 1.7" H (447 mm W x 609 mm L x 48 mm H)

FRONT PANEL

Switches: Power
LEDs: System Status and Power On Indicators

Construction: 1U height 19" rackmount chassis (IEC 297)

Weight: max 35 lbs (15.9 kg) depends on configuration

Power: i1000: 110/260 VAC, 7A/4A, 60/50Hz

Power Consumption: max 217 Watts (743 BTU/hr) Min 200.1 (687 BTU/hr)

System Cooling: 5x8 cm fan assembly (hot pluggable)

Operating Temperature: 50° to 95° F (10° C to 35° C)

Storage Temperature: -40° to 149°F (-40° to 65° C)

Relative Humidity: 8-80% non-condensing

Altitude: -50 to 10,000 feet (-16 to 3048 meters)

REGULATORY

FCC 47 CFR Part 15, Class A
CSA C1088, Class A
UL 60950, CUL 60950
CE Mark (EN455022 Class A/EN455024)

WARRANTY

One year 7/24/365 web-based and telephone technical support

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