

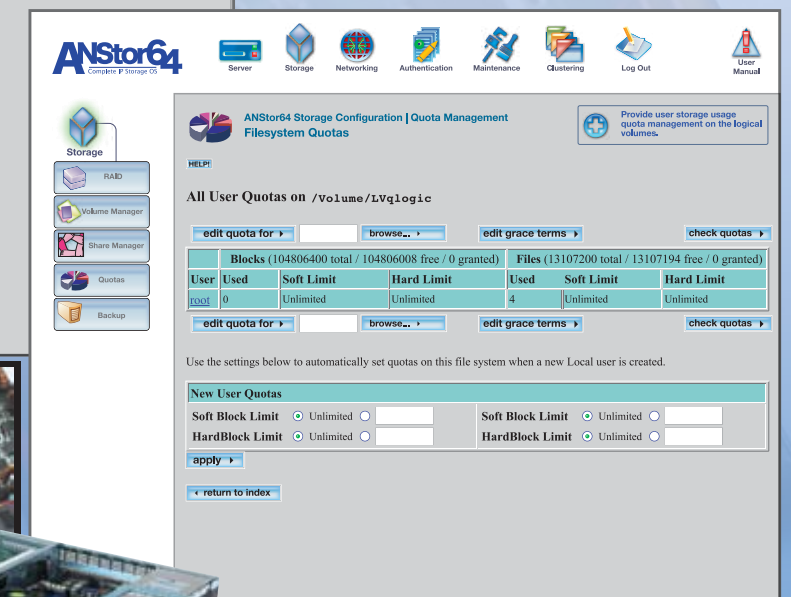
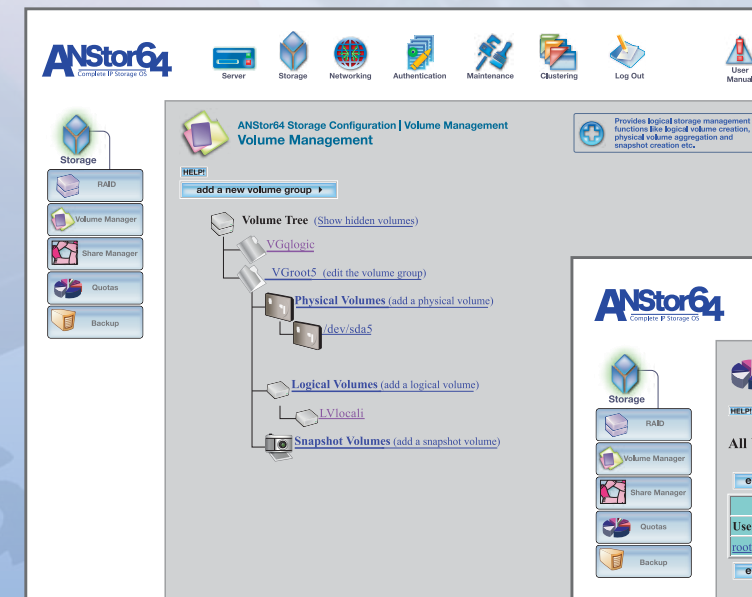
ANStor64

Complete IP Storage OS

ANStor64 OS Highlights

- 32-Bit & 64-Bit OS
- Multiple Snapshots
- Synchronous Mirroring
- IP Failover
- Access Control List
- Software RAID 1, 10, 5, & 6
- iSCSI Target and Initiator
- Error Recovery Level 1 & 2
- Remote Replication
- IP Sec
- Web-based Management
- Share File Level Permissions
- Block Level Storage
- Smart Monitoring
- Disk Quotas
- Scheduling
- E-mail Notifications
- Multiple Storage Volumes

PERFORMANCE
FAULT TOLERANCE
SECURITY



The ANStor64 storage operating system comes in three different versions:

NAS/iSCSI OS Combo

NAS OS

iSCSI OS

ANStor64 NAS/iSCSI OS is the industry's first Modular 64-Bit IP Storage Operating System Available Today

ANStor64 is a low cost easy-to-install, easy-to-use and easy-to-support alternative to expensive Fibre Channel connectivity, and offers complete NAS and iSCSI functionality and same time use in a single operating system, integrating best-in-class performance, versatility and security for SAN, LAN and WAN applications.



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ANStor64 NAS/iSCSI OS is the industry's first Modular 64-Bit IP Storage Operating System Available Today

OVERVIEW

ANStor64™ OS is a low cost easy-to-implement alternative to expensive Fibre Channel connectivity, with comparable features and performance. The complete IP 64-bit Storage OS offers complete NAS and iSCSI (both target and initiator) functionality and same time use in a single operating system, coupled with best-in-class performance, versatility and security for SAN, LAN and WAN applications.

The ANStor64 OS affords almost limitless volume sizes, extremely high performance, increased data reliability, greater security and increased scalability. It also increases iSCSI target efficiency by supporting multiple iSCSI initiators on different volumes, without sacrificing NAS (CIFS, NFS, etc.) performance. ANStor64 OS also features remote replication which allows disk to disk backup and business continuation.

ANStor64's modular 64-Bit storage operating systems provides a storagecentric, easy-to-use, heterogeneous network file system. ANStor64 offers enterprise level storage features that include iSCSI, replication, mirroring, IP SEC, snapshots, and RAID 6 support. With enhancements in client and network support, ANStor64 is designed to provide a higher level of security not found in Windows® environments.

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NAS/iSCSI OS COMBO

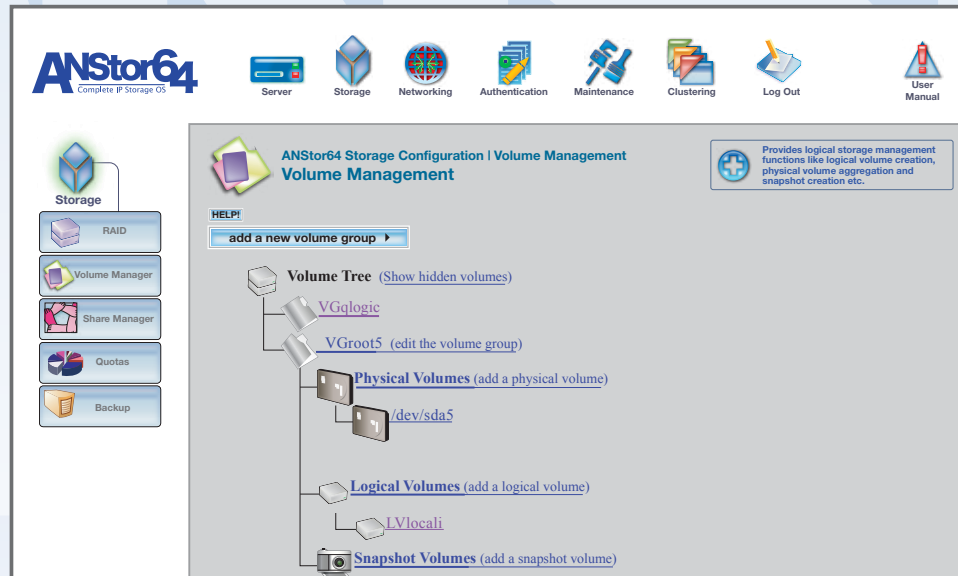
The ANStor64 NAS/iSCSI Combo combines the power of NAS & iSCSI on a single system. This functionality increases iSCSI target efficiency by supporting multiple iSCSI initiators on different volumes without sacrificing NAS performance (CIFS, NFS, etc).

NAS OS

The ANStor64 Network Attached Storage edition is ideal for applications with extensive storage requirements, file sharing, allocation of storage pools among users, and cost-effective scalable storage.

iSCSI OS

The iSCSI edition of ANStor64 is ideal for entities that are compliant with federal regulations and for organizations that are constantly improving their business continuity policies. This application creates a shortcut for lengthy back up processes by replicating data from a centralized location to a remote site at any given time. This allows instant access to mission critical data, and if additional storage is required, it can be accommodated at the block level.



GUARANTEED PERFORMANCE

64 Bit OS – Enterprise level performance and features

NAS/iSCSI Combo - Increased functionality and efficiency

Software RAID 1, 10, 5 & 6 – Cost reduction and versatility

iSCSI target & initiator – Allows mirroring data between servers and to remotely replicate information for backup procedures

ENTERPRISE LEVEL FAULT TOLERANCE

IP Failover - No single point failure

Remote Replication - Improve business continuation and reduces backup time

Remote Mirroring – Allows network failover and redundancy

Multiple Snap Shots – For backup and data retrieval

ABSOLUTE SECURITY

ERL 1 & 2 - Improved data recovery and network supervision and redirection if necessary

IP Sec. - Increased internet security

Block Level Storage – Increased security and transfer rate

E-Mail Notifications – Increased monitoring and alerts

FEATURES

MULTIPLE SNAPSHOTS

The ANStor64 snapshot feature captures data from a single point-in-time with the capability to aggregate multiple snapshots in sequence which can be used for backup or data retrieval purposes.

SYNCHRONOUS MIRRORING

With synchronous mirroring, ANStor64 allows block device replication of logical volumes. This allows network failover between two systems, where two volumes are mirrored to provide some of the best redundancy possible.

SYSTEM MONITORING & ALERTS

The Advanced monitoring system notifies network administrators on health disk status, system temperature, RAID status, and spare drives on their systems. ANStor64 also generates logs that record monitoring activity on a timely basis.

VPN/WSDL SERVER

ANStor64 uses Simple Object Access Control (SOAP) to leverage standard management formats (XML) and protocols (HTTPS) to configure multiple servers.

LDAP CLIENT

ANStor64 permits user and group authentication to an LDAP server for all network services and even the webbased administration. This allows other ANStor64 servers to coexist in an existing LDAP management scheme.

IP FAILOVER

With IP failover, two ANStor64 servers can share the same virtual IP address over the network. If one server goes offline, then the other server can pick up network activity without causing interruption.

ACCESS CONTROL LIST

The Access Control List (ACL) allows administrators to restrict user rights and access policies through the network. The ACL feature is convenient for file share administration and remote network management.

SOFTWARE RAID

ANStor64 offers integrated support that is optimized to work with AMCC 3ware and Areca RAID controllers as well as driver support for most other hardware RAID controllers that support SATA, SAS, SCSI and Fibre HDD's. In addition our ANStor64 OS provides Software RAID 1, 10, 5 & 6.

iSCSI (INITIATOR & TARGET)

ANStor64 has the ability to transport data across networks using the iSCSI protocol. ANStor64 iSCSI software OS can act as an initiator and a target on the same hardware platform at the same time. This unique feature allows ANStor64 target and multi-path initiator clients to mirror data between servers and remotely replicate mission critical information for backup procedures.

ERROR RECOVERY LEVEL 1 & 2

ANStor64 Error Recovery Level 1 (ER1) monitors information packets that are sent over the network from the iSCSI initiator to the iSCSI target. Error Level Recovery 1 also supervises network communication and recovers lost data during transmissions ANStor64 Error Recovery Level 2 (ER2) is used when there are multiple network connections. Error Recovery Level 2 inspects the vitality of the network connection and if a connection goes offline, then the ANStor64 OS searches for an operational connection and redirects all network traffic.

REMOTE REPLICATION

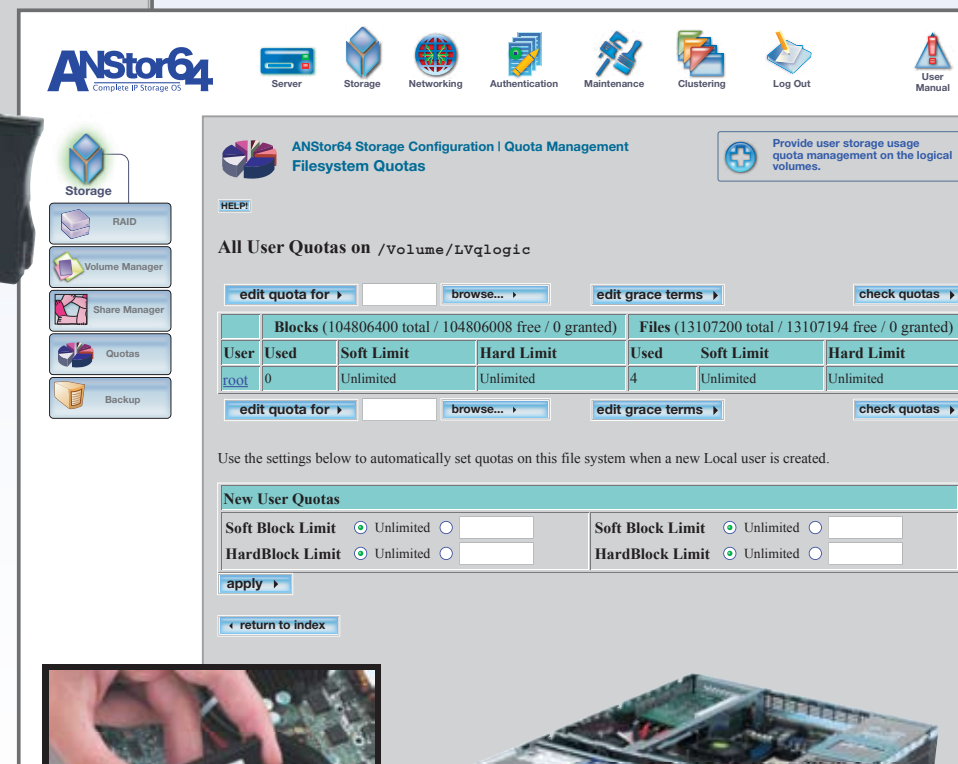
With ANStor64's Remote Replication feature, organizations can improve their business continuation model by backing up directly to disk. This shortens their backup time and can retrieve archived information in a matter of minutes. This allows both public and private organizations that comply with federal regulations to eliminate the traditional form of backup; transferring data into tape, which is time consuming, generates multiple tape copies, and often leaves sensitive information exposed.

UPDATES & SECURITY

ANStor64 can be updated with signed Red Hat Packages(RPMs) through an USB disk-on-key or USB CD-ROM. In addition, system administrators can turn off network updates and remove unused components if required. ANStor64 requires authentication protocols through an encrypted channel (HTTPS) and provides protection against security breaks by verifying the change and signature of the system software. The system software signature can be stored as a read-only media file after being downloaded. This is done to keep data secured and restricted from unauthorized users.

MULTIPLE ROOT CONTROL SERVICES

ANStor64 offers Root Control Service (RCS) to the operating system. With RCS, the administrator can add or remove modules, restrict IP access control, and create NIS domain users, local Windows and LDAP users and groups. ANStor64 grants access to the UNIX shell command through SSL/TLS.



EASY-TO-INSTALL. EASY-TO-USE. EASY-TO-SUPPORT.