

GuardianOS 7.6

New Features

- BitTorrent® Sync
- High Performance Snapshots
- Windows Only Tree
- LDAP
- SMB 2.0
- RDX Backup

Highlights

- Quickly backup files from SnapServer to removable RDX Media
- Auto configure RAID arrays and add drives anytime with DynamicRAID
- Flexible volume sizes that grow with your data
- Share data across Windows, Linux/UNIX and Macintosh platforms
- Manage security locally or join a Windows AD domain
- Sync data across SnapServers, desktop systems and mobile devices with BitTorrent Sync
- Store block and file data simultaneously on a single SnapServer
- Data protection with RAID, snapshots, replication and backup

Powering the SnapServer® Series of Network Attached Storage Servers, GuardianOS® 7.6 is optimized to provide the business-grade reliability and out-of-the-box integration needed to work with today's business applications and infrastructure. The award-winning GuardianOS has over a decade of the proven stability, expertise and innovation you can rely on.

SnapServers attach directly to your network and install in minutes, and are easily deployed without application downtime. You can consolidate multiple systems by creating file- and block-level volumes on a single SnapServer. With the DynamicRAID® feature, GuardianOS 7.6 improves volume management and allows for effortless expansion while protecting your most critical data.

Including a comprehensive set of data protection tools that reduce the time and resources required to manage your storage, GuardianOS is a flexible, cost effective platform allowing you to scale seamlessly as your capacity, performance and business requirements change.

Now with BitTorrent® Sync you can create your own SnapServer private cloud infrastructure that is accessible from anywhere. BitTorrent Sync will sync data across SnapServers, desktop systems and mobile devices, and will automatically update file changes across all devices simultaneously.

Management Interface: Web Management Interface, SSH-based Command Line Interface (CLI), and Java-based SnapServer Manager tool

Network File Protocols: SMB(1.0/2.0)/CIFS, NFS, AFP, FTP, and HTTP

Block Protocols: iSCSI

Microsoft Windows Integration: Active Directory Services (ADS), NTLM, Kerberos, and VSS/VDS for iSCSI LUNs

Data Protection: DynamicRAID, Snapshots, Replication, Sync, and Disaster Recovery for System Settings, RDX backup

Capabilities



DynamicRAID

Mix and match drives of different sizes to grow RAID arrays



Dynamic Volumes

NAS volumes automatically consume as much space as the data requires



BitTorrent® Sync

Secure, unlimited file-syncing – No 3rd party cloud required



Unified Storage

Store block and file-based data on a single SnapServer to match your data requirements



Advanced Security

Fully integrate with existing Windows Active Directory Domain or UNIX LDAP user and group database



RDX Backup

Backup to removable RDX media directly from SnapServer

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Key Features

FEATURE	FUNCTION	BENEFIT
SYSTEM MANAGEMENT		
Home Directories	Automatically creates home directories for each user upon first login to the network share	Allows administrators to auto-allocate capacity for each user that is accessible across Windows, UNIX/Linux and Macintosh platforms
User and Group Quotas	Enforces disk space thresholds for Users and Groups*	Allows administrators to govern how much disk space is consumed by a particular user or group
Command Line Interface (CLI)	Alternative administration of your SnapServer with a set of over 150 commands	Enables automation and scripting of routine tasks
SnapServer Manager	Management of SnapServer® NAS, SnapSAN® and REO® storage systems from a single console	Simplifies deployment and management of multiple Overland Storage systems
SNMP and Email Alerts	Real-time notices of system events and errors	Informs you of the status of your SnapServer via email or an SNMP management system
Configuration Disaster Recovery/ Backup	Exports a backup image of the SnapServer configuration settings	Allows system cloning or quick disaster recovery restoration of the SnapServer configuration
UPS Support	Gracefully shuts down the SnapServer in the event that a power outage lasts longer than the UPS battery; Automatically restarts the SnapServer when power is restored	Protects SnapServer data during extended power outages and brings the SnapServer back online as soon as power is made available
DATA PROTECTION		
DynamicRAID	Automatic RAID creation and incorporation of new drives	Takes advantage of mix and match hard drives
Traditional RAID	Create RAID arrays using 0,1,5,6 or 10	Allows for granular control of RAID arrays and hard drives
Dynamic Volumes	NAS volumes can be resized at any time	No penalty for initial volume setup when storage needs change
High Performance Snapshots	Creates incremental; point-in-time copies of a NAS volume	Enables non-disruptive file state backups on scheduled or instant basis without degrading write performance
Snap EDR	Byte-level; incremental file replication over LAN or WAN to other SnapServers or installed agents	Replicate between servers for backup, file distribution and disaster recovery
Backup Support	Support for 3rd party backup agents for direct backup to SAS or USB attached tape devices	Allows you to backup your SnapServer directly to disk, VTL or tape device
RDX Backup	Copy files to removable RDX media	Take data offsite for disaster recovery & sharing
SECURITY AND SERVICES		
Microsoft Active Directory Services (ADS)	Integrates within a Windows Active Directory Domain	Your SnapServer will recognize established users and groups in your Windows domain
Lightweight Directory Access Protocol (LDAP)	Provides integration with your existing UNIX user and group database	Your SnapServer will recognize the users and groups you've established in your UNIX/Linux domain
Windows-to-UNIX ID Mapping	Map users and groups across protocols	Allows you to maintain consistent permissions for users with multiple system types (i.e. Windows and UNIX clients)
Windows Only Tree	Windows controls SnapServer file permissions in a mixed environment	Prevents switching of attributes between UNIX/Mac and Windows files
Microsoft VSS	Performs application consistent snapshots of iSCSI LUNs	Enables you to create frequent, sOpace-efficient backups of block-level volumes on your SnapServer
Microsoft VDS	Allows iSCSI LUNs to be managed natively within Windows	Eases administration by allowing you to manage the block-level volumes on your SnapServer directly from the Microsoft Management Console
Microsoft Multi-Path I/O (MPIO)	Provides multiple paths (via iSCSI) between a Windows server and the storage located on a SnapServer	Enables High Availability (HA) through redundant connections
UTILITIES		
BitTorrent® Sync	Sync files across multiple SnapServers, desktop clients and mobile devices	Access your files from anywhere on any device
Data Import Tool	Imports data from a server, client, or NAS device to a SnapServer	Simplifies the process of moving data to your SnapServer
Integrated Anti-Virus Software	Guards against viruses	Enhances data protection

*Traditional RAID; no group quota for DynamicRAID

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