

SnapServer XSD 40



Highlights

- DynamicRAID
- BitTorrent Sync Remote Syncing and mobile access
- Thin Provisioning
- RDX Backup
- High Performance Snapshots
- Multiple backup options
- Replication with Snap EDR

Expand and Sync on your desktop with the SnapServer XSD 40. As a powerful local storage server, or node in a distributed enterprise deployment, the SnapServer XSD 40 can be configured in less than 30 minutes. With both block and file level access, the SnapServer XSD 40 has cross-platform compatibility with Windows, Linux, UNIX and Macintosh systems and is ideal for file sharing and storage consolidation. The SnapServer XSD 40 includes data protection features such as, DynamicRAID, high performance snapshots, and optional data replication.

With support for SATA-II hard drives the SnapServer XSD 40 is scalable up to 16TB for seamless growth. All SnapServer storage volumes are thinly provisioned and can be grown without limits or manual administrative provisioning. With the addition of BitTorrent Sync™ administrators can sync and replicate to other SnapServers for quick disaster recovery and also enable anywhere file access with any mobile device. Included are multiple back up features incorporating LTO tape, disk-to-disk backup, and RDX media, so you can ensure your data is available when you need it most.

Capabilities

DynamicRAID – Automatic capacity growth with thin provisioning



With DynamicRAID, SnapServer XSD Series RAID arrays are optimized and maintained automatically as drives are added, giving you the best redundancy and capacities available in the market. Easily add drives of larger capacities and integrate them within existing storage pools without sacrificing valuable new space. The DynamicRAID features apply equally to both file sharing and iSCSI volumes created on the SnapServer, making it ideal for both file level and block level access. Dynamic Volumes improve storage utilization efficiency by making unallocated space available on demand for other applications. Volumes can be resized dynamically at any time, or set without limits. Lower your cost overhead by distributing all volumes across the available storage pool and adapt quickly to changing needs of your storage environment.

BitTorrent Sync™ - Secure, Unlimited File-Syncing



It's time to get rid of your expensive cloud storage provider. BitTorrent Sync™ is included on the SnapServer XSD NAS. Automatically sync files between directories on geographically distributed SnapServer systems. Access those files with any BitTorrent Sync™ client, server or mobile application. There are no limits on file sizes or file transfers so you can build your own high performance private cloud that is accessible from anywhere. Why rely on a 3rd party cloud to host your data when you can build your own cloud between your devices. With features such as encryption and incremental peer-to-peer file transfers, your data stays yours and all of your syncing is fast. By simply exchanging secret keys or scanning QR codes your devices will sync automatically; and syncing performance improves as more devices are added.

RDX Integration – Rugged, reliable disk-to-disk backup



SnapServer administrators can take advantage of Overland Storage RDX direct to disc backup. Plug an RDX QuikStor device into the SnapServer USB3 ports and selectively copy data from disk-to-RDX. Utilize RDX media as a form of backup and offsite disaster recovery. Copy data and remove for remote archiving, or as an easy way to move data between devices. Fully integrated into GuardianOS, administrators can format attached RDX media directly with XFS or NTFS options, to optimize for compatibility and file restores. RDX technology provides enterprise performance and fast access, with transfer rates of up to 650GB/hr and capacities up to 2TB per cartridge.

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High Performance Snapshots – Up to 3X faster write performance

A snapshot is a read-only, point-in-time virtual copy of a file system or volume; however, snapshots differ in design and implementation, which can have an impact on capacity utilization, performance, and restoration capabilities. The new SnapServer snapshots are fully integrated with the GuardianOS file-system, which creates improved capacity utilization and more efficient snapshot updating. Upon activation of snapshots, administrators receive all the benefits of data-state protection without significantly impacting read or write performance.



Advanced Security – Intelligence Matters

The SnapServer XSD Series is powered by the industry proven SnapServer GuardianOS®, with cross-platform user access and built in advanced security. The SnapServer can provide local security for small infrastructures or join larger networks that include complex security implementations. In a Windows environment, the SnapServer can join an Active Directory Domain and automatically stay synchronized with the full set of 30 distinct AD permission attributes. For UNIX and Linux security, the SnapServer GuardianOS supports LDAP or Network Information Services to integrate within your existing NIS user and group database. Finally, for mixed environments, the SnapServer allows you to maintain consistent permissions for users with multiple system types with the Windows-only Tree and Windows-to-UNIX ID Mapping. With the Home Directories feature, the SnapServer can automatically create secure folders for individual user logging in. The SnapServer XSD Series will fit into any environment and constantly adapt to complex and changing security requirements.



Unified Storage – Freedom of Choice

Have storage your way with the SnapServer XSD Series by not limiting yourself to individual storage protocols. Connect to your SnapServer with any client type and share files across Windows, Linux, UNIX and Macintosh platforms. Along with file services, the SnapServer iSCSI feature enables you to easily consolidate your block level storage across multiple servers in localized, distributed and virtualized environments. Store both block and file data concurrently on the SnapServer and manage under a single, flexible interface. Simplify your IT infrastructure by consolidating your storage into a single SnapServer to handle all of your business storage requirements.

FEATURE	SnapServer XSD 40	FEATURE	SnapServer XSD 40
Best Fit For	Workgroups, departments or remote offices requiring up to 16TB of storage and have mobile/remote access requirements	iSCSI Support	✓
Concurrent Users	Concurrent Users <50	High Performance Snapshots	✓
Performance	50MB/s	RDX Backup	✓
System Scalability	Up to 16TB with 4 drives	Thin Provisioning	✓
File Syncing	BitTorrent Sync Included	Form Factor	Desktop
Replication	SnapEDR Optional	Network File Protocols	Microsoft Networks SMB (1.0/2.0)/CIFS (NTLM); CIFS Network File Protocols via Mac OS X; NFS v2, v3, v4 (UDP/TCP); Apple AFP; FTP/FTPS; HTTP/HTTPS (1.1)
Power Supplies	Single	Block protocols	iSCSI
Network Connectivity	2 X GbE	Memory	2GB Standard (4GB max)
USB Ports	2 X USB2, 2XUSB3	VMware Support	VMware Ready
Drive Supported	SATA-II	Physical	Unit Dimensions
RAID Levels Supported	Traditional RAID – 0,1,5,6,10 DynamicRAID – Single or Dual Parity		Height: 8.38 in. / Width: 7.87 in. / Depth: 12.6 in.
Remote Management	✓		Weight Unpacked: 18 lbs. / Packaged: 22 lbs.

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