

SnapServer DX Series

Storage as it should be.

SnapServer® DX is the first data storage that you don't have to provision. At the core of this revolution is DynamicRAID™, a standards-based technology that gives you the ability to automatically expand storage pools and storage volumes independently, optimize your data protection levels and increase capacity with zero downtime. DynamicRAID provides the flexibility you need to manage your storage infrastructure without manual intervention, so that your business can grow without interruption. SnapServer DX is the simplest unified NAS and iSCSI SAN storage for modern business applications – from virtualized server and Microsoft Exchange environments to backup and storage consolidation. Built on the proven GuardianOS™ platform with integrated features like snapshots and replication, SnapServer DX lets any business run its storage like an enterprise, at one-tenth the cost. It's storage as it should be.



DynamicRAID – The Future of Storage Provisioning is No Provisioning

With DynamicRAID, SnapServer DX 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. With 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.



Snap Enterprise Data Replicator – Protect the Worlds Most Important Data...Yours

Traditional backup cannot always protect against disaster; ideally data must be moved off-site, and must be instantly available to any global access point. Snap Enterprise Data Replicator™ (Snap EDR) is a high performance data replication solution with the industry's most comprehensive set of data management and security-capable disaster recovery tools. With flexible data movement options, Snap EDR can replicate data in small offices or large distributed environments. Send files between two SnapServers with the simple replication tool; aggregate files from multiple servers at remote locations back to a corporate datacenter; or distribute files from headquarters to field offices all over the world. With tools such as byte-level differencing, bandwidth throttling, compression, and encryption, Snap EDR will automate your data protection efficiently and securely, and make sure your data is readily available when you need it most.



Expansion – to 280 Terabytes and Beyond

SnapServer DX is the only rack-mount NAS unit in its class that expands to greater than 280TBs. Expand beyond any SnapServer DX system with the SnapExpansion chassis; a serial attached SCSI expansion chassis that allows you to add additional drive capacity to keep up with the most dynamic storage environments. Start with as few as two hard drives and seamlessly expand your storage pool as your business grows by adding up to an additional 94 SAS or SATA hard drives. You no longer have to purchase more storage than you need at any given time with the powerful combination of SnapServer DX and SnapExpansion.



Advanced Security – Intelligence Matters


The SnapServer DX is powered by the industry proven 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 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 Windows-to-UNIX ID Mapping. With the Home Directories feature, the SnapServer can automatically create secure folders for individual user logging in. The SnapServer DX 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 DX 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 DX with and manage under a single, flexible interface. Simplify your IT infrastructure by consolidating your storage infrastructure into a single SnapServer to handle all of your dynamic business storage requirements.

Technical Specifications

FEATURES	 SnapServer DX1	 SnapServer DX2
Best Fit For	Workgroups, departments or remote offices requiring up to 120TB of storage	Large businesses with higher performance needs and scalability requirements
Concurrent Users	<100	100-500
Performance	40MB/s	350MB/s
System Scalability	Up to 160TB with three SnapExpansion Chassis	Up to 384TB with seven SnapExpansion Chassis
Replication	Optional with Snap EDR	Included
Power Supplies	Single	Dual
Network Connectivity	2 X GbE	Up to 6 x 1GbE or 4 x 10GbE (2 X 1GbE included)
Drives Supported	Enterprise Class SATA-II, Desktop SATA-II	Enterprise Class SATA-II, Desktop SATA-II, 6Gb SAS, or SSD drives
RAID Levels Supported	Traditional RAID – 0,1,5,6,10 DynamicRAID – Single or Dual Parity	Traditional RAID – 0,1,5,6,10 DynamicRAID – Single or Dual Parity
Remote Management	✓	✓
iSCSI Support	✓	✓
Snapshots	✓	✓
SnapServer Manager (Remote Management)	✓	✓
Form Factor	1U 4-drive rackmount	2U 12-drive rackmount
Network File Protocols	Microsoft Networks SMB (1.0)/CIFS (NTLM); CIFS via Mac OS X; NFS v2, v3, v4 (UDP/TCP); Apple AFP; FTP/FTPS; HTTP/HTTPS (1.1)	Microsoft Networks SMB (1.0)/CIFS (NTLM); CIFS via Mac OS X; NFS v2, v3, v4 (UDP/TCP); Apple AFP; FTP/FTPS; HTTP/HTTPS (1.1)
Memory	Up to 4GB maximum, 2GB standard	Up to 16GB maximum, 4GB standard
VMware Support	VMware Ready	VMware Ready
Physical	Width: 17.17 in (436 mm) Height: 1.73 in (44 mm) Depth: 19.25 in (489 mm) Weight: Without drives: 18 lbs (8.2 kg) With four drives: 24 lbs (10.9 kg)	Width: 17.17 in (436.1 mm) Height: 3.36 in (85.3 mm) Depth: 26.32 in (668.5 mm)



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