OVERLAND TANDBERG

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DATA SHEET

SnapServer® Family (XSD & XSR)

Simple, expandable enterprise storage for high-performing resilient environments

SnapServer family offers enterprise class unified block and file storage that is workload optimized and is scalable up to ~1PB

XSD40 (Desktop)
- 4 drive bays
- Max capacity 32TB
- For small offices / ROBO (Quiet System)

XSR40 (1U)
- 4 drive bays
- Max capacity – 400TB with 3 expansion shelves
- For small office environments with moderate data growth

XSR120 (2U)
- 12 drive bays
- Max capacity – 960TB with 7 expansion shelves
- For SMBs and large enterprises with significant data growth

Expandable, secure unified storage

Dynamic-RAID® lets you mix and match drives with ease. Grow and shrink volumes on demand with Thin Provisioning—no downtime.

Built with enhanced security, SnapServer systems are extendable to hybrid cloud with SnapCLOUD™.

Disaster recovery & replication

Disaster recovery solution at no additional cost with Snap Encrypted Continuous Replication (Snap ECR™).

Heterogeneous data replication with Snap Enterprise Data Replicator (Snap EDR™).

Backup & archiving

SnapServer is certified with a range of third party backup software including VEEAM, Backup Exec and NetBackup™.

Automatic data protection solutions with RDX removable media that meets off-site compliance.

Enterprise file sync & share

Sync, share and access corporate files from anywhere, on any device with SnapSync™.

Get data on-the-go and collaborate securely under centralized IT control.

Management — **GuardianOS® web management interface for ease of management.** **SnapStorage Manager™ to centrally manage multiple SnapServers.**

All-in-one productivity solution

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Expandable, secure unified storage

SnapServer Family (XSD & XSR)

Seamless expansion with DynamicRAID and thin provisioning

Save on IT Management resources with dynamic volume creation and reduce costs with “just-in-time” storage acquisition.

Benefits:

- Mix and match drives with ease and without wasting space
- Create volumes in seconds with a few clicks of the mouse
- Capacity is easily added to volumes without business disruption or downtime
- Volumes can shrink and grow independently
- Reduce acquisition costs and manage growth through “just-in-time” storage acquisition

Unified storage

Cost effectively manage multi-protocol data.

Benefits:

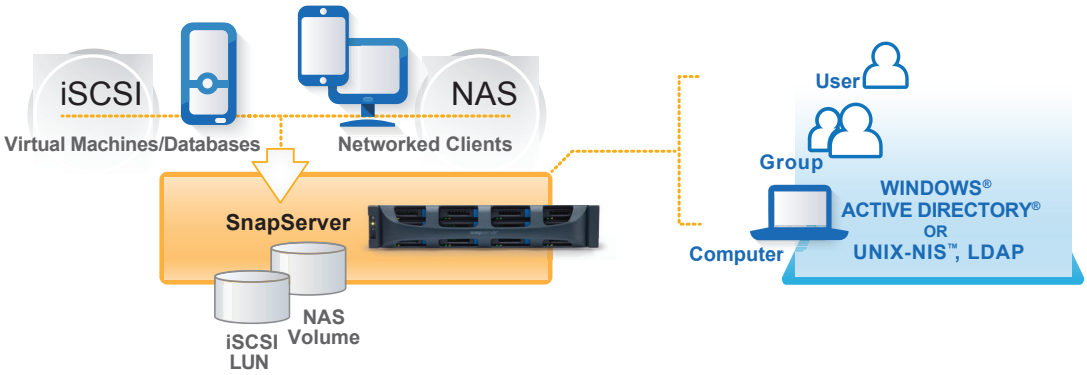
- Manage file level and block level access with a unified storage appliance
- Reduce total cost of ownership

Advanced security

Seamlessly integrate into your existing corporate infrastructure for authentication and authorization of all users and systems.

Benefits:

- SnapServers can be integrated with existing Windows® Active Directory domains or UNIX® with NIS® or LDAP
- Control access to entire SnapServer volumes or more granularly to folders within SnapServer volumes



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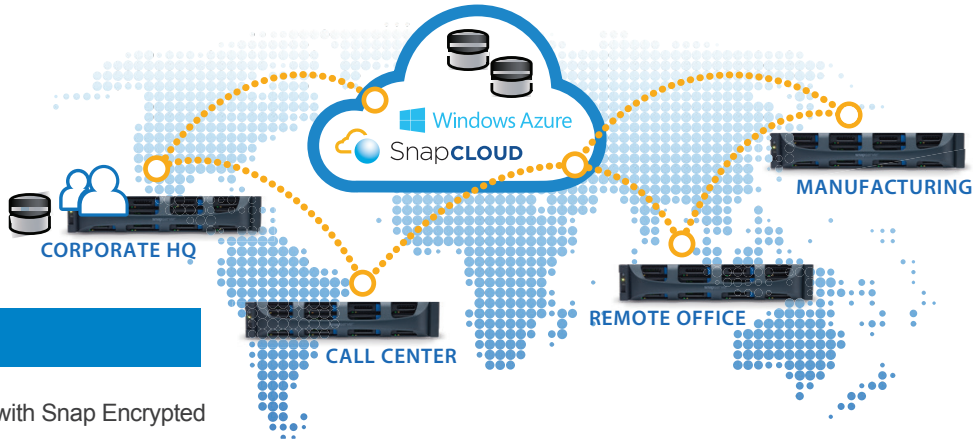
Disaster recovery and replication

SnapServer Family (XSD & XSR)



Disaster Recovery

Disaster recovery solution at no additional cost with Snap Encrypted Continuous Replication (Snap ECR):

Always protected:

- Snap-to-Snap continuous replication of 1:1 and N:1 topologies
- Replicates changed blocks only for bandwidth optimization and shorter backup windows
- Replication at wire speed for a broad range of applications including millions of files and deep directory structures

Highly secured:

- Strong authentication between replication hosts utilizing digital certificates
- Military grade secure over the wire encryption with 4,096 bit RSA asymmetric keys meeting tough federal standards beyond 2030
- Integrated with Microsoft Active Directory for controlled access

Cloud integrated:

- Easy to deploy and manage a hybrid Cloud disaster recovery solution
- Single management console for the entire hybrid configuration for ease of management
- No VPN necessary

Replication

Heterogeneous data replication with Snap Enterprise Data Replicator (Snap EDR):

Multi-platform data protection:

- Heterogeneous data replication between Guardian OS, Windows, Linux, UNIX and Mac OS
- Synchronize (1:1), Aggregate (N:1) or Distribute (1:N) files between servers
- Byte-level incremental replication and compression for bandwidth optimization and shorter backup windows

Highly secured:

- Strong authentication between replication hosts utilizing digital certificates
- Over-the-wire 256-bit symmetric key encryption
- Remote backup (replication with versioning)

Schedule based replication:

- GuardianOS web management interface with step-by-step configuration
- Performance monitoring and statistics reporting for replication optimization
- Real time dashboard views for overall management of system wide replication jobs

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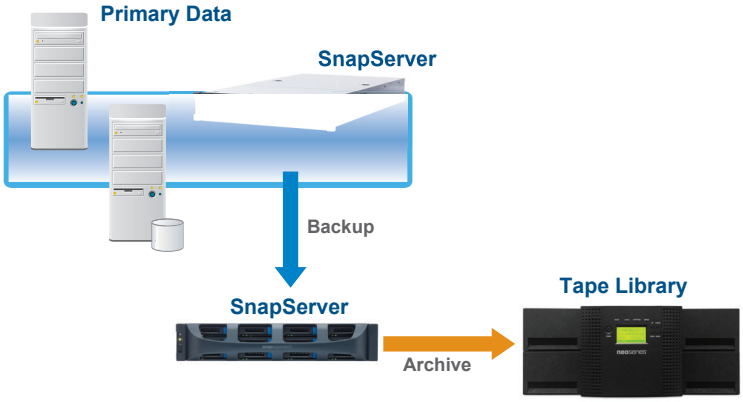
Backup & archiving solutions

SnapServer Family (XSD & XSR)



Backup solution

SnapServer is certified with a range of 3rd party backup software for data backup and protection.

VEEAM Backup:

- VEEAM Data Mover Service running on SnapServer allows for efficient backups as the service allows VEEAM to distribute the data processing load between the Backup server and SnapServer.

Veritas Backup Exec and Veritas NetBackup:

- Backup SnapServer, full/incremental
- Direct backup of SnapServer to locally attached tape library (D2T)

RDX® integration

Automatic data protection solution that is easy to deploy and meets off-site compliance requirements.

Benefits:

- Off-site compliance with the RDX removable media
- Copy directly from SnapServer to RDX® QuikStor™ using the SnapServer GUI
- Automatic scheduling of Backups from the SnapServer to multiple RDX QuikStors using the SnapServer GUI - daily, weekly or monthly with data verification and versioning

Tape integration

Customers can transfer primary data on SnapServer directly to tape for archiving and long term retention.

Benefits:

- Tape Integration with the “NEO” agility appliance, enables customers to transfer SnapServer data to any tape library in LTFS format for long term retention and archiving.

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Enterprise file sync & share (SnapSync™)

SnapServer Family (XSD & XSR)

SnapSync™ is a simple, secure enterprise class file sync and share solution that enables unlimited access to content on any device, from anywhere.

Get data on-the-go

Secure access to private confidential data on any platform, anytime, anywhere:

- Super-fast real time data update with peer-to-peer technology

Collaborate securely

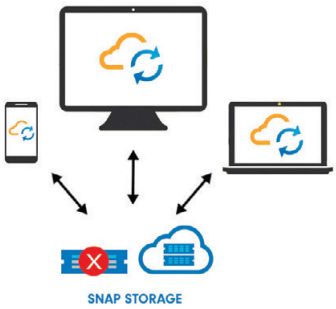
Control access at granular level with protection against lost or stolen devices:

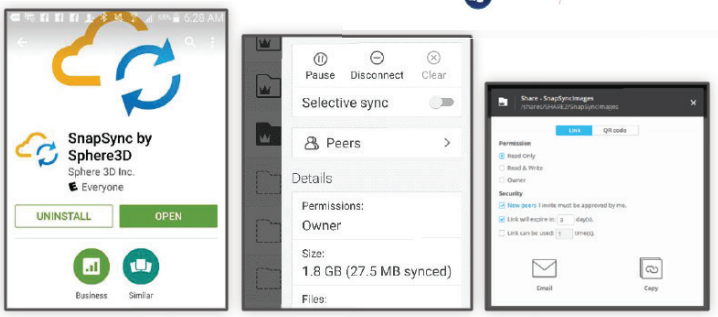
- 3 level access control
- Data encrypted during transit and at-rest

Centralized IT control

Data stored on on-premise NAS or private VM in SnapCLOUD, managed by IT and protected against data loss

- Rapid disaster recovery and business continuity with near zero data loss





Technical specifications

Endpoints supported	• OS X 10.8 Mountain Lion or newer • Windows 7 or later • iOS 6.0 or newer • Android 2.2 or newer
Storage supported	• SnapServer, SnapCLOUD
Networks supported	• All - WAN, LAN, mobile (3G, 4G, LTE)
Scalability	• Unlimited file size • Unlimited amount of storage per user
Management interface	• Integrated in Snap Storage GUI
Ease of sharing	• Emails, Links, QR code
Security	• All sync traffic between devices is encrypted with AES 128-bit cypher and a secure key of 20 bytes
Secure sharing	• Expiration deadlines on shared links • Revoke access to future updates • Read only or read write access
Access control	• Folder level granularity • IT and owner managed access control • Change access permissions at any time • Designate other users as owners
Space saving	• Sync files on demand when you need them, so the precious storage on your mobile device is preserved
Bandwidth savings	• With Selective Sync turned on only placeholder files are in your system which means no constant updates over mobile data network
Data protection	• Recover deleted file archive • Second copy on Snap Storage device

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Hardware Specifications

SnapServer Family (XSD & XSR)

	XSD40	XSR40	XSR120
Positioning	Convenient Desktop NAS, Small offices, ROBO and distributed environments	Storage consolidation, Small office environments with moderate data growth	High scalability, SMBs and large enterprises with significant data growth
Form factor	Desktop (quiet system)	Rackmount, 1U	Rackmount, 2U
CPU	Intel Atom 64-Bit Dual Core	Intel Atom 64-Bit Dual Core	Intel Xeon 64-Bit Quad Core
Memory (max.)	4GB DDR3	4GB DDR3	8GB DDR3 ECC (32GB)
Drives supported	HDD: SATA 6Gb/s SSD: SATA 6Gb/s	HDD: SATA 6Gb/s SSD: SATA 6Gb/s	HDD: 3.5" SATA 6Gb/s HDD: 2.5" 10k and 15k SAS 12Gb/s SSD: SATA 6Gb/s
# of drive bays	4	4	12
Max. drive capacity	8TB	10TB	10TB
Expansion units	None	3	7
Max. raw capacity	32TB	400TB	960TB
USB ports	2 x USB 2.0, 2 x USB 3.0	2 x USB 2.0, 2 x USB 3.0	4 x USB2.0, 2 x USB3.0
Ethernet ports	2 x 1GbE (Expandable up to 4 x 1GbE)	2 x 1GbE (Expandable up to 4 x 1GbE)	2 x 1GbE (Expandable up to 10 x 1GbE or 6 x 1GbE + 2 x 10GbE)
Power consumption	80W (Steady state)	80W (Steady state)	280W (Peak w/ 12 HDDs)
Power supplies	Single	Single	Dual
Dimensions (HxWxD) in.	8.38 x 7.87 x 12.6	1.73 x 17.17 x 19.25	3.5 x 19 x 26
Weight (lbs.)	17.0	30.5	61.0
Performance (MB/s) - 10GbE x 1 Windows download / upload (MB/s)	–	–	1181 / 444 (1 x 10GbE)

Sales and support for Overland/Tandberg products and solutions are available in over 90 countries.
Contact us today at sales@overlandstorage.com or sales@tandbergdata.com

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