

xSTREAMScaler File Storage System

Scale-Out SAN and NAS Storage with integrated HSM

Designed for most demanding, content-rich environments the xSTREAMScaler File Storage System provides a scalable SAN and NAS shared storage solution. With support for the widest range of Operating Systems and native SAN and NAS support, the xSTREAMScaler is suited for a wide range of environments – including High-Performance Computing, Media and Entertainment, Oil & Gas Exploration, Research and Intelligence.

Maximizing the benefits of the award-winning DDN S2A storage infrastructure, the xSTREAMScaler File Storage System not only delivers a scalable, manageable storage environment but also offers an optional policy-driven Hierarchical Storage Management (HSM) component that automatically and transparently stores content on the most economic storage tier at any point in time.

The xSTREAMScaler is a highly flexible shared storage system, supporting all connectivity options from SAN and traditional NAS clients to the unique Distributed LAN Client which maximizes throughput and availability using traditional LAN infrastructure. Furthermore all major Operating Systems are supported natively, including Linux, Windows, UNIX and MacOS.

Dramatically lowering overall storage cost, the integrated HSM option ensures that data is stored on the most economical storage tier, including high-performance disk storage, high-capacity disk storage, de-duplicated storage, tape or even existing NAS appliances.

DataDirect Networks delivers turn-key storage products for the most demanding environments. Utilizing a global network of consulting, integration and support specialists, DataDirect Networks ensures that the xSTREAMScaler File Storage System meets the highest standards in storage infrastructure solutions.



The xSTREAMScaler File Storage System leverages the complete DDN storage product line-up for optimal performance, capacity, density and cost – all within a single namespace for maximum ease-of-use and manageability.



S2A6620
Modular scalable storage with highest density. 120 Drives, up to 120TB, up to 2GB/s

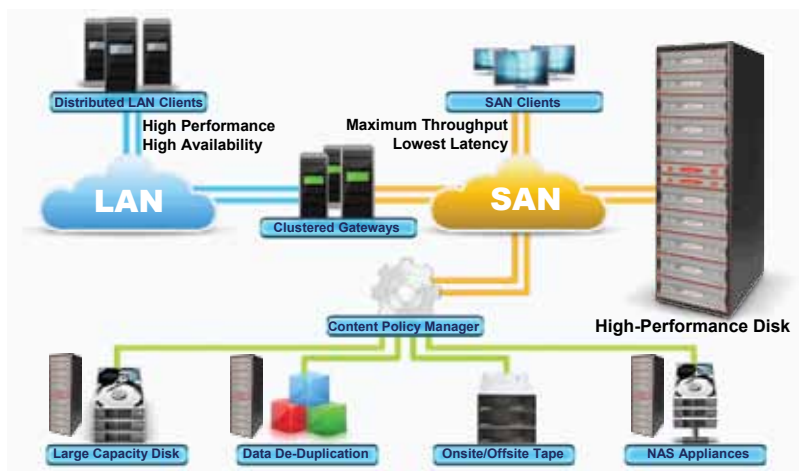


S2A9700
Scalable capacity for large archive tiers. 1200 Drives, up to 1.2PB, up to 3GB/s



S2A9900
The ultimate in scalable Performance and Capacity. 1200 Drives, up to 1.2PB, up to 6GB/s

The xSTREAMScaler File Storage System is a turn-key solution combining the benefits of the award-winning S2A storage products – S2A6620, S2A9900 and S2A9700 – with a scalable shared file system and optional HSM module



Features

Client Connectivity	SAN, NAS, Distributed LAN Client
Client Scalability	Over 1000 Native Clients
LAN Gateway Scalability	100s of gateway nodes
Gateway load-balancing	Yes, I/O request granularity
Client-Side Load Balancing	Yes
Client-Side Failover	Yes
Concurrent Access	Fine-Grained File Locking
Integrated HSM/Archive	Optional (policy-based, transparent)
Data Protection Capability	Optional (via HSM or 3rd party)
Additional Features	Online Capacity Expansion Storage Tiering, Data De-Duplication Integrity Checking

Supported Platforms

Operating Systems

Linux: Red Hat, Novell SUSE
Microsoft Windows
UNIX: Solaris, HP-UX, AIX, IRIX
Mac OS X

Protocols

xSTREAMScaler SAN & LAN Clients
NFS, CIFS, FTP, HTTP Clients

Tape Libraries

Quantum/ADIC, Sun/STK, IBM, HP, Dell

“DDN offered a pay-as-you-grow architecture which would allow us to simply add capacity and/or performance as needed. DDN’s solution not only met our price, performance and density requirements, but also provided the data protection and energy efficiency we were looking for.”

Drew Kikauka
Broadcasting Engineering Supervisor
Maple Leaf Sport and Entertainment

Application Readiness

- Supports Linux, Windows, UNIX and MacOS natively
- Flexible connectivity options including SAN, NAS and optimized LAN clients
- Shared namespace across SAN and NAS optimizes workflows

True Scalability

- Independently scale capacity and performance
- Supports over 1000 clients, PBs of capacity and over 50 GB/s throughput

Lower Storage Cost

- Dynamically move data to the most economic storage tier
- Fully transparent access at all times
- Supports Disk, Tape and more

Learn more at ddn.com/xstream-scaler.

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