

Quantum

STORNEXT FILE SYSTEM



DATASHEET

FEATURES & BENEFITS

Broadest Range of Connectivity Options

Including NFS, SMB, S3, and StorNext File System client for MAC, Windows, or Linux.

Versatile Storage Options

Scale file system clusters using any combination of NVMe, SSD, and HDD.

Highest Streaming Performance

Up to 23 GB per second on a single stream.

Independently Scale Performance, User Access, and Capacity

Scale-out performance up to thousands of clients, and scale capacity with any type of storage up to billions of files.

Software-Defined Data Management, Protection

Protect, manage, and archive your data across flash, disk, object, tape, and cloud with versatile data management capabilities.

Ecosystem Integration and Support with Open APIs

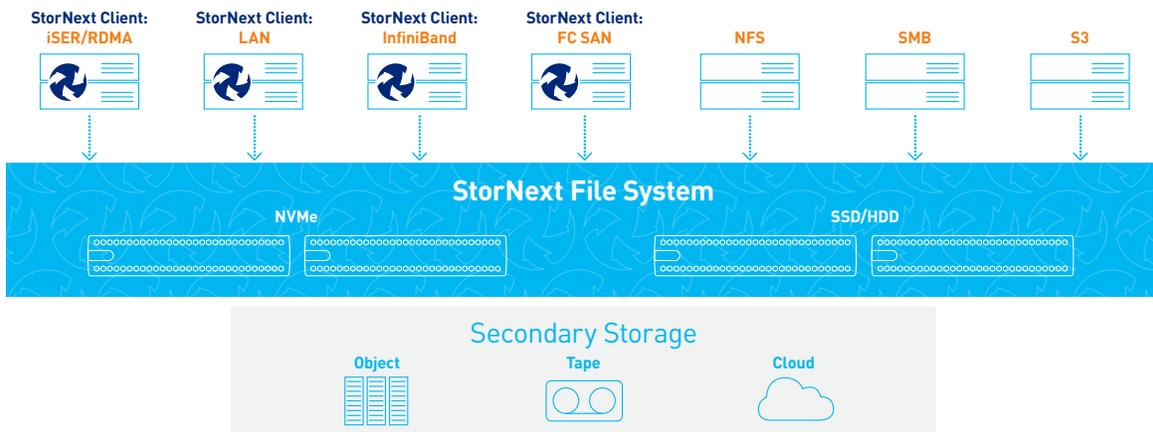
StorNext is a POSIX-compliant file system with a standard set of APIs and a broad ecosystem of integrated and certified applications.

Unlock insights. Accelerate innovation. Deliver outstanding experiences. StorNext® is a modern, software-defined file system with advanced data management and high-speed data access for faster insights and dynamic business value.

Organizations today, like yours, need to manage the growing demands of massive amounts of unstructured data and high-resolution video. StorNext is a software-defined file system and data management platform designed for organizations that require the highest streaming performance, reliability, and massive scale.

It is ideally suited for data-intensive uses, such as scientific research, healthcare, artificial intelligence (AI), autonomous vehicles, financial services, data analytics, and media production. It delivers performance and scalability for ingesting, processing, and working on your data. Sophisticated data management policies help you manage, protect, and archive your data assets and files over time, and across local and cloud storage.

BROADEST RANGE OF CONNECTIVITY OPTIONS

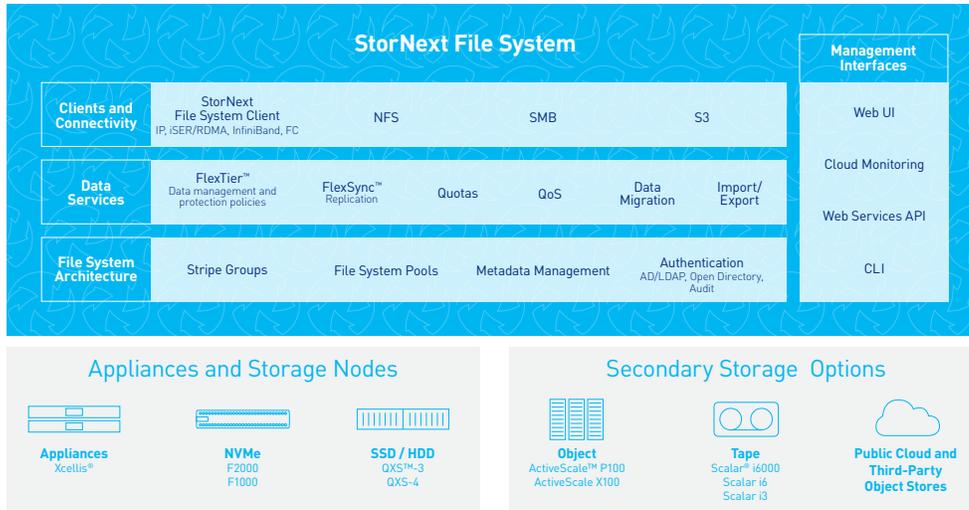


LEARN MORE:

www.quantum.com/stornext

STORNEXT PLATFORM AND ARCHITECTURE OVERVIEW

StorNext software provides you with high-speed streaming performance, reliability, and massive scalability for your data when and where you need it. StorNext's file system architecture includes a broad range of flexible connectivity options, a rich set of data services, data management features, and monitoring interfaces.



TOP FILE SYSTEM USE CASES

- HPC, AI, Big Data Analytics
- Healthcare and Scientific Research
- Media & Entertainment
- Government & Academia
- Video Surveillance
- Financial Services
- Autonomous Vehicle (ADAS)
- Manufacturing

INDUSTRY-LEADING FEATURES

Clients and Connectivity	
StorNext Client	Allows users and applications to connect over Ethernet or Fibre Channel networks where the lowest latencies and highest performance access is required. Supports MAC, Windows, and Linux.
NAS	Connect to a StorNext file system using standard NFS or SMB protocols.
S3	Connect to a StorNext file system using S3-compatible object interface.
Data Services	
FlexTier	Move and copy files and folders between primary and secondary storage, all within a single namespace.
FlexSync	A simple high-performance tool for creating local or remote replicas.
Quotas	Manage and report on primary and secondary storage usage.
QoS	Control bandwidth allocation to clients based on needs and priorities.
Management Interfaces	
Web GUI	Simple management of your StorNext file system environment and devices.
Cloud Analytics	Monitor system health anytime, anywhere from a secure cloud-based portal.
Web API	Modern, secure programming interface for connecting applications to StorNext.
Command Line Interface	Automate commonly performed tasks with a rich set of CLI commands.
File System Architecture	
Stripe Groups	Scale file system performance and capacity by aggregating multiple storage arrays, based on different user and data access patterns.
File System Pools	Create pools of storage within the StorNext file system, then move files and folders between those pools transparently; to optimize for performance or for cost.
Storage Allocation	Patented, intelligent storage allocation techniques to determine where to place files on storage.
Metadata Management	StorNext's unique approach to metadata management helps to maximize performance and provides for advanced data management capabilities.

FAST DATA ACCESS WHEN AND WHERE YOU NEED IT

Whatever the need for unstructured file storage, chances are good that the StorNext File System can meet it. StorNext's unique combination of performance, scalability, and flexibility makes it ideal for any organization challenged with making unstructured data and high-resolution video easily available, shared, protected, and stored cost effectively.

Quantum

Quantum technology and services help customers capture, create, and share digital content—and preserve and protect it for decades at the lowest cost. Quantum's platforms provide the fastest performance for high-resolution video, images, and industrial IoT, with solutions built for every stage of the data lifecycle, from high-performance ingest to real-time collaboration and analysis and low-cost archiving. Every day the world's leading entertainment companies, sports franchises, research scientists, government agencies, enterprises, and cloud providers are making the world happier, safer, and smarter on Quantum. See how at www.quantum.com.

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800-677-6268