Sun StorEdge™ Performance Suite Software

High-performance file system enabling the convergence of NAS and SAN.

Shared file access

Multiple users can access and update shared files simultaneously for improved productivity.

Maximum performance

Achieve maximum performance tuned to specific application requirements.

Multi-platform integration

Extend the benefits of the software to multiple platforms through easy integration with heterogeneous NAS and SAN clients and an open storage view.

Enhanced policy-based administration

Set quotas and define access control lists (ACLs) to simplify management, heighten data access security, and improve storage resource allocation.
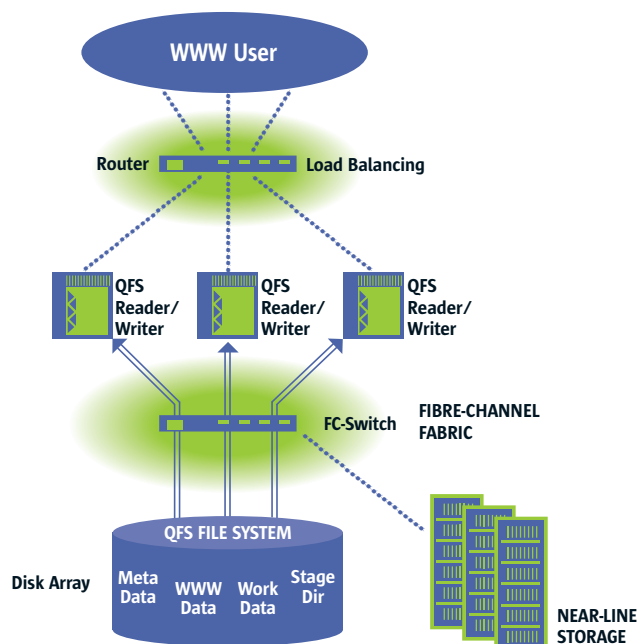
Tested and validated with Oracle software

Increase the quality of storage service for your database environment.

Optimize the data path for your end-to-end infrastructure.

Sun StorEdge™ Performance Suite software, featuring Sun's next-generation file system (Sun StorEdge™ QFS software), empowers your information infrastructure to meet the most demanding data availability and performance requirements for mission-critical applications. The advanced architecture helps you reclaim productivity lost to previous file system or LAN bottlenecks and growth limitations. Sun StorEdge Performance Suite software lowers total cost of ownership by increasing the system administrator's span of control over a continuously growing data environment. The suite includes a high-performance, shared file system with fully integrated volume management, discovered direct I/O, and other leading features that can help to simplify storage pooling in NAS and SAN configurations and dramatically reduce administrative overhead with no performance degradation.

Sun StorEdge Complete Storage Solutions—providing you with comprehensive software, hardware, and services to solve your business challenges enterprise-wide.

Sun StorEdge™ Performance Suite Software

Features and Benefits

FEATURES	BENEFITS
Multiple hosts read and write to shared files simultaneously	Enhance productivity
	Improve information distribution
Qwrite	Enable multiple, simultaneous transactions to the same file
	Support database applications
Metadata separation	Store metadata on a separate device
	Decrease device head movement and rotational latency significantly
	Improve RAID cache utilization
	Mirror metadata rather than all data
	Achieve highest levels of performance
Fast data recovery	Create or restart the file system in moments
	Keep the file system consistent using little system overhead
	Flexible policies that guarantee all completed transactions are recoverable
Variable disk allocation unit (DAU) size	Achieve highest performance whether for millions of small files or for the largest I/O applications
Discovered direct I/O	Achieve high performance for database applications
Integrated volume management (striping)	Increase bandwidth to sequential I/O applications
	Enhance throughput of multi-user applications
Stripe groups	Improve speed and predictability of performance for data-intensive applications
Quotas	Improve resource utilization by controlling space consumption
Access control lists (ACLs)	Heighten data access security
SANergy File Sharing 3.1 API support	Multi-platform clients can take advantage of the software

Product Requirements

Minimum software footprint (disk space)	30 MB (recommended)
Minimum memory and CPU recommended	Standard Sun server configuration
Supported platforms	Solaris™ Operating Environment 8, 9 (SPARC® Platform Edition)
Compatible third-party applications	Oracle 9i
	VERITAS VxVM 3.1.1 or later
	VERITAS NetBackup 3.4 or later
	Legato Networker 6.0.2 or later
	Tivoli SANergy Tivoli File Sharing API 2.2.3, 2.3, 3.1

Sun StorEdge Software Strategy

The Sun StorEdge software strategy based on the Sun ONE architecture provides an open, integrated architecture for simple management of data services, helping businesses to provide higher quality of storage services that result in greater business efficiencies. Sun StorEdge SAN and Systems Management solutions provide a centralized management platform for viewing and managing open, integrated storage environments. Sun StorEdge Data Continuance solutions provide continuous availability of service levels, rapid recovery, and protection of all business data. Sun StorEdge File and Volume Management solutions provide automated policy-based services, optimally matching service levels with their application requirements.

Sun Services

Our storage services consultants can design and implement storage management solutions that leverage the industry-leading features of this software. These consultants understand the storage environment and the interdependencies between storage and the rest of your infrastructure, so that your investment in Sun can deliver improved productivity and exceptional return on investment.

For additional information on these products, go to *www.sun.com/storage/software/performance/*