

Sun Storage 7000 Software Features and Benefits

From the workgroup to the enterprise, Sun Storage 7000 software comes with features and benefits that simplify storage management.

The Sun Storage 7000 Systems software offers the following benefits:

Feature	Function	Benefit
DTrace Analytics	A management framework for analyzing and optimizing performance real-time with rapid diagnostics & troubleshooting with ease to use graphical tools	<ul style="list-style-type: none"> - Minimizes business downtime through quick discovery/fix of issues - Improved productivity with performance optimization
Browser Interface	User interface for appliance administration, with intuitive design for administration tasks, visualizing concepts, and analyzing performance data	Simplified administration reduces management costs
Hybrid Storage Pool	Composed of optional Flash-memory devices for acceleration of reads and writes, low-power, high-capacity disks, and DRAM memory, all managed transparently as a single data hierarchy	Superior performance and capacity at lower cost and energy consumption
Built on the Solaris Operating System	Enterprise class and industry proven operating system, provides the resilience required for a robust Unified Storage System	Customer assurance that their data is being protected and managed by an industry proven OS
Triple Parity RAID	Industry-leading data protection from up to three drive failures	Reduces risk of data loss
Triple Mirroring	Three full online copies of data	Optimized for data reliability
RAID-Z (5 and 6), Mirrored and Striping	Allows drive grouping to achieve greater levels of performance, reliability, and/or larger data volume sizes	Flexibility to choose RAID architecture to match application requirements
Snapshots	Read-only copies of a file system at a given point in time	Enables rapid recovery of accidentally deleted files or objects, and facilitates backup to tape

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Clones	A writable copy of a LUN or file system snapshot	Allows testing and development of true data with no additional storage requirements
Snapshot Restore	Restores single files, file systems, LUNs	Increased productivity; allows immediate restore of files, file systems, LUNs
Remote Replication	Data replication between Sun Storage 7000 systems	Enables disaster recovery architecture and distribution of data to one or multiple locations
Data Compression	4 levels supported, compress data before being written to disk	Greater investment protection with more efficient storage utilization
Shadow Data Migration	Easily migrate data and shares from legacy storage devices to Sun 7000 Systems	Minimize impact to IT environment while saving time and money
Active-Active Clustering	Transparent failover when one node fails	Increased data availability
Thin Provisioning	Allocates physical space to share as needed	Greater investment protection with more efficient storage utilization
System Self-Healing	Predictive self-healing and diagnosis of all system FRUs: CPUs, DRAM, I/O cards, disks, fans, power supplies	Increased data availability
Data Integrity	End-to-end data checksums of all data and metadata, protecting data throughout the stack	Increased data availability
I/O Multipathing	Provides redundant paths to the storage subsystem, eliminating single point of failure	High data availability
Heterogenous access	Supports access through CIFS, NFS, FTP, HTTP, WebDAV, IP over Infiniband, iSCSI	Flexibility to access system in different ways

For more information see: <http://www.sun.com/unifiedstorage>