

# Sun StorageTek™ Virtual Tape Library Plus

Turbocharge your backup and recovery operations



Backups fail. Recoveries take too long. Traditional tape management can be labor intensive. These all-too-familiar concerns place your data and your business at risk. Now, however, you can address backup/recovery issues with an advanced disk-based virtual tape and library emulation solution sized for a wide variety of open systems environments. The StorageTek™ Virtual Tape Library (VTL) Plus improves the performance of existing backup and recovery application processes by presenting a multitude of virtual tape drive and library resources that can be deployed, managed, and monitored from a single point.

## Highlights

- The combination of disk and tape delivers virtual tape benefits at a lower cost than other backup solutions.
- Higher availability assures completed backups and protected data.
- Higher operational uptime reduces the occurrence of costly repairs.
- Higher performance assures faster backups, smaller backup windows and more successful backups.
- Multiple disaster recovery options, such as remote replication via IP and Fibre Channel and integrated physical tape management, eliminate sole dependence on WAN connectivity.
- Security of backup tapes is achieved through encryption for physical tapes and the Sun Solaris™ platform for online virtual protection. Solaris is considered secure by U.S. government agencies.

### Consolidate and simplify

The StorageTek VTL Plus integrates seamlessly with leading backup products and permits multiple backups to occur simultaneously. Disk emulates tape drives including DLT, SDLT, LTO, StorageTek T9840, StorageTek T9940, and StorageTek T10000 as well as the StorageTek L-Series™ tape libraries (L20 through L7), the StorageTek StreamLine™ SL8500 modular library system, and the StorageTek Streamline™ SL500 modular library system.

The disk presents itself to the operating environment as tape, so you can preserve existing tape and backup procedures and protect your investment in backup software. Within your existing architecture, you can consolidate the management and provisioning of backup resources, share tape devices across backup applications, and add new workloads without affecting tape configurations.

### Lower cost of operations

Centralization and simplification save money because you reduce manual oversight and intervention. With improved asset utilization, you can defer or avoid purchase of additional tape drives. In addition, disk-based recovery reduces downtime related to backups and accelerates performance so you can maintain better application availability, spend less time in scheduling and troubleshooting, and reduce backup administration.

### Choose the size and performance you need

The StorageTek VTL Plus is available in three versions based on terabytes of usable disk space (including RAID and global spaces), throughput, and redundancy. The high-performance disk arrays are optimized for virtual tape and specifically configured for streaming workloads. Highly redundant configurations are also available as preconfigured systems. Depending on the series, you can meet special requirements for alternative host connectivity, compression, encryption, and remote replication.

**Series 1000** includes the StorageTek 6140 disk controller and SATA disk arrays, which offer 8 to 56 terabytes (raw) of preconfigured buffer capacity, two Fibre channel ports for host connectivity, 16 virtual tape libraries, 128 drives, and 2048 virtual tape cartridges.

**Series 2000** includes the StorageTek 6540 disk controller and SATA disk arrays, which offer 8 to 224 terabytes (raw) of preconfigured buffer capacity, up to 8 Fibre Channel ports for host connectivity, 64 tape libraries, 512 drives, and 2048 virtual tape cartridges with optional support for to 4096 virtual tape cartridges.

**Series 3000** includes the StorageTek 6540 disk controller and SATA disk arrays, which offer 8 to 224 terabytes (raw) of preconfigured buffer capacity, and up to sixteen Fibre Channel ports for host or tape connectivity are available spread between two active servers. The Fibre Channel ports are configured for failover to provide complete protection against server failures. 128 tape libraries, 1024 drives, and 4096 virtual tape cartridges are available with optional support for up to 8192 virtual tape cartridges.

Software options for StorageTek VTL Plus include the following choices:

- IP replication with compression and encryption options
- Tape caching for policy management of physical tape libraries
- Support for StorageTek ACSLS Manager™ software
- Secure tape for physical tape encryption
- Support for IBM iSeries/AS400 host servers
- Support for NDMP

### Receive more for your investment

An experienced leader in data protection, Sun and the StorageTek VTL Plus deliver four important outcomes for your business:

- Low TCO and investment protection provide value.
- Improved backup and recovery performance improve access to business-critical information.
- Easy, fast deployment in existing data center backup operations assures a higher level of simplicity.
- High availability, online security and encryption enable trust that your data is protected in both physical and virtual forms.

### Engage the storage experts

Sun StorageTek service professionals help you address storage challenges by delivering integrated services and solutions that optimize and manage storage performance over the life of your data. Our recognized, world-class service and customer care give you confidence that your technology investment is protected and that your business will be responsive to change.

We can help you pinpoint opportunities to reduce costs, mitigate business risk, and better leverage information assets. Our consulting and managed services offer clear and simple choices in solutions that address your regulatory concerns, complex storage growth, resource management, and scalability challenges.

Covering over 125 countries, more than 2100 dedicated storage service professionals can help you gain and sustain measurable results with the reliability and flexibility that you require.

## Sun StorageTek™ Virtual Tape Library Plus Specifications

	Capacity, raw (uncompressed)	Host/total connectivity	Performance	Virtual tape libraries/drives/carts	Appliance package
VTL1140 appliance	8–56 TB raw	2/6 2 Gb/sec FC	Up to 400 MB/sec	16/128/2048	One 19-in. rack
VTL2540 appliance	8–224 TB raw	8/28 2 Gb/sec FC	Up to 700 MB/sec	64/512/4096	Up to four 19-in. racks
VTL3540 appliance	8–224 TB raw	16/56 2 Gb/sec FC	Up to 1400 MB/sec	128/1024/8192	Up to four 19-in. racks

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SunWin # 473470 09/06