

Sun StorageTek™ Virtual Tape Library Plus (VTL Plus)

Turbocharge your backup and recovery operations.



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
- Simplify storage management with a single, simple user interface
- Higher operational uptime reduces the occurrence of costly repairs
- Enhanced 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 protection. Solaris is considered secure by U.S. government agencies
- Gain confidence that your technology investment is protected and that your business will be responsive to change with our world-class service organization



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 while reducing costs with integrated physical tape.

The Sun StorageTek Virtual Tape Library Plus (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.

Consolidate and simplify

The Sun StorageTek VTL Plus permits multiple backups to occur simultaneously, consolidating backup and helping to close the backup window.

The disk presents itself to the operating environment as tape, so you can preserve existing tape and backup procedures and protect your investment in your current 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.

The concept of storage virtualization and consolidation is no longer hype. The benefits are real and so is the solution. Sun's vision for storage virtualization offers you solutions that

make data storage simple, flexible, and efficient - allowing you to store and move data when you want, to where you want based on your desired availability, performance, cost per gigabyte, and the value of your data at each stage of its life. With virtualization, you'll achieve a level of data protection that you only dreamt of.

The Sun StorageTek VTL Plus is the premier storage virtualization solution for companies looking to take advantage of both disk and tape storage in one single unit. The appliance combines a server, disk storage and software in a single unit that integrates seamlessly with leading backup products.

Lower your operational costs

The Sun StorageTek VTL Plus not only makes life simpler, it helps save you money because you reduce manual oversight and intervention. With improved asset utilization, you can defer or delay purchases of additional tape drives as well as re-deploy current storage infrastructure to support other initiatives.

Sun StorageTek VTL Plus drives out management costs with a single point of automated management for physical and virtual tapes, local and remote, and preserves existing investment in backup administration and policies.

Customers report 36 percent reduction of human resources for managing tape with disk-based recovery, reducing downtime related to backups and accelerating performance so they can maintain better application availability, spend less time in scheduling and troubleshooting and reduce backup administration.

Choose the size and performance you need

The Sun StorageTek VTL Plus is available in four versions to allow you to choose the right product to fit your need now and simple migration paths allow for easy upgrades to other Sun StorageTek VTL Plus products. The high-performance disk arrays are optimized for virtual tape and specifically configured for streaming workloads. Depending on the series, you can meet special requirements for alternative host connectivity, compression, encryption, and remote replication.

VTL 1200 includes the StorageTek 6140 disk controller and SATA disk arrays, which offer 12 to 224 TB (raw) of preconfigured buffer capacity, four fibre channel ports for host connectivity, 128 virtual tape libraries, 1024 drives, and up to 64K virtual tape cartridges.

VTL 1202 includes the StorageTek 6140 disk controller and SATA disk arrays, which

offer 12 to 448 TB (raw) of preconfigured buffer capacity, four fibre channel ports for host connectivity, 256 virtual tape libraries, 2048 drives, and up to 128K virtual tape cartridges.

VTL 2600 includes the StorageTek 6140 disk controller and SATA disk arrays, which offer 12 to 896 TB (raw) of preconfigured buffer capacity, up to 8 Fibre Channel ports for host connectivity, 128 tape libraries, 1024 drives, and up to 64K virtual tape cartridges.

VTL 3600 includes the StorageTek 6140 disk controller and SATA disk arrays, which offer 12 to 896 TB (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. 256 tape libraries, 2048 drives, and up to 64K virtual tape cartridges.

Software options for the Sun StorageTek Virtual Tape Library Plus (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 4.0 protocol for integration with backup applications

Learn More

For more details visit sun.com/vtlplus or talk to your local Sun representative.

- Tape shredding for secure erase of a virtual volume

Engage the storage experts

Sun service professionals help you address storage challenges by delivering services and solutions that optimize and manage storage performance over the life of your data. Our implementation services address utilization, availability, capability planning and management efficiency, helping you quickly realize the benefits from your investment.

With Sun Professional Services, our storage industry veterans can pinpoint ways to better allocate and consolidate data across a tiered storage architecture, which is a critical component of effective virtualization.

Sun Managed Services for storage can provide best practices around the monitoring and management of storage utilization and system processes.

The Sun StorageTek VTL Plus is available in a Sun System Pack which combines a VTL Plus system with a Sun service contract. The pack costs less than purchasing the hardware and services separately, and provides access to reference materials, online user communities, Sun VIP interoperability support, 24x7 support, and more.

Sun StorageTek™ Virtual Tape Library Plus Specifications

	Capacity, raw (uncompressed)	Host/total connectivity* Maximum	Performance	Virtual tape libraries/drives/carts – Maximum	Appliance package
VTL 1200 appliance	12 - 224 TB raw	4/10 4 Gb/s FC	Up to 800 MB/s	128/1024/64K	Up to 2 - 19 in. racks
VTL 1202 appliance	12 - 448 TB raw	8/20 4 Gb/s FC	Up to 1600 MB/s	256/2048/128K	Up to 3 - 19 in. racks
VTL 2600 appliance	12 - 896 TB raw	8/16 4 Gb/s FC	Up to 1200 MB/s	128/1024/64K	Up to 5-19 in. racks
VTL 3600 appliance	12 - 896 TB raw	16/32 4 Gb/s FC	Up to 2400 MB/s	256/2048/128K	Up to 5-19 in. racks

*This is the maximum host connectivity not the base connectivity specifications.

