

Sun StorageTek™ Enterprise Backup Software (EBS) and Virtual Tape Library (VTL) Solution

Complete backup, recovery and archiving of your critical data



As an integral component of Sun's data protection solutions, Sun StorageTek™ Enterprise Backup Software (EBS) delivers centralized data protection and management across heterogeneous environments including Solaris™, UNIX®, Windows, Linux, NetWare, Macintosh and VMware operating systems. EBS centralizes, automates, and accelerates data backup and recovery across your IT environment. Boasting record-breaking performance and flexibility, EBS protects critical business data in a fast, secure and easy-to-manage way.

Highlights

- Scales seamlessly from small business/departmental environments to the largest enterprise datacenters, resulting in investment protection and simplified installation, training and support
- Easy management, installation, and administration with central Web-based graphical user interface (GUI)
- Secure management of critical backup data with enhanced authentication and encryption
- Record-breaking backup and recovery performance with Sun StorageTek Tape
- Improved disk-to-disk-to-tape backup capabilities, such as concurrent data recovery (from disk), advanced file type device (NAS/SAN) sharing, and variable block-size configuration, as well as snapshot management, reduce recovery times dramatically
- Integrates seamlessly with Sun StorageTek Virtual Tape Libraries for leading-edge backup and restore operations

Simplicity, security and speed

Features such as advanced indexing, high speed parallelism, automated media management, LAN-free backup, cluster awareness, comprehensive Network Data Management Protocol (NDMP) support, and dynamic tape drive sharing to fully protect your business applications in the event of user error, data loss, systems outage, or catastrophic event. For hands-free data protection, the software's Autochanger Modules support an extensive variety of Sun StorageTek tape and robotic devices. The EBS Virtual Tape Library Option allows data to be backed up to a Sun Virtual Tape Library, and automatically moved to tape, or cloned from VTL to tape—all with single-step recovery. The software's Application Modules deliver "hot" backup and granular recovery for Oracle, Microsoft SQL Server, Sharepoint and Exchange, IBM DB2 UDB, Informix, Lotus Notes/Domino, Sybase and SAP R/3. Rely on EBS and its leading capabilities for virtual environment protection including Sun virtual servers, VMware, and Hyper-V, to ensure you get the most value from virtualization.

The EBS and Sun Virtual Tape Library solution

Increasing data volumes, rising application access requirements, and limited IT budgets—never before have enterprises been challenged

to the extent they are today to fully protect data, reduce downtime, and lower TCO. Yet as this challenge intensifies, a shift has taken place in the storage arena that can deliver faster methods for performing backup and recovery, and increase storage ROI—backup to Virtual Tape Library.

A complete solution

The primary advantage to using emulated (disk-based) tapes over solely physical tape is they shorten backup windows and drastically improve performance. Disk-based data can be accessed directly as opposed to the delays often associated with streaming characteristics of physical tape. Emulated devices on disk also eliminate many of the mechanical delays such as robotic tape picking, loading, tape fast-forwarding, and rewinding found on real tape devices. Searching for data on tape (via VTL) becomes an immediate operation.

In addition, data is RAID-protected in the VTL, which offers a significantly more reliable storage medium than magnetic tape alone.

StorageTek Enterprise Backup Software treats the Sun VTL emulated libraries and drives as if they were physical tape libraries and drives. From a backup point of view, the devices are standard backup targets.

The Sun VTL should be deployed to address the retention of onsite backup data, which is maintained in the expectation of a time-critical restore request. Studies show that over 80 percent of restore requests are for a backup that was completed within the past 48 hours. A typical retention period for this data is measured in days to weeks.

Longer-term retention may be better served using physical tape media because it is removable and can be stored on shelves or offsite. In addition, physical tape requires far less power than spinning disk, which can represent significant savings for long-term data.

EBS and Virtual Tape Library solution

- **High performance** – Faster backup and restore due to the performance characteristics of disk.
- **Minimal configuration** – Minimal or no change to the backup infrastructure because VTL disk arrays appear as tape libraries.
- **Disk administration** – Storage is automatically configured and tuned, and includes compression capabilities.
- **Add physical tape drives on demand** – Enables more data to be backed up in less time.

Learn More.

For more information on Enterprise Backup Software visit sun.com/ebs

EBS Virtual Tape Library Architecture

