NetBackup Storage Migrator™ for UNIX

DATA LIFE CYCLE MANAGEMENT

Throughout its life, data requires different levels of performance, availability, protection, migration, retention and disposal. At first, the data is critical to daily operations and therefore demands high levels of availability and protection as well as fast read and write speeds to simplify editing and sharing.
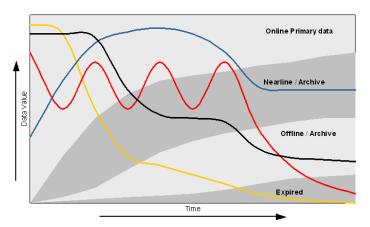
In time, data becomes less important, and is used less frequently. As these changes occur, data can be moved to different tiers of storage that provide appropriate levels of availability, capacity, cost, performance, and protection. Eventually, data is no longer used. Unused data would either be deleted to save space or stored indefinitely to avoid data loss. However, regulatory requirements and increasing data volumes are rendering these tactics obsolete.

With **NetBackup Storage Migratorä** *for UNIX* organizations can automate the management of their UNIX data to ensure that data is stored on the most appropriate media. This allows organizations to improve storage utilization, control storage growth, automate compliance storage practices, and streamline data protection and disaster recovery operations.

AUTOMATION

Software automation is critical to data life cycle management. NetBackup Storage Migrator provides the tools to automate selection of files among otherwise overwhelming volumes of data, and to move selected subsets of data to diverse media types. Automated enforcement of storage policies also delivers improved consistency over manual processes; helping to mitigate regulatory compliance issues.

NetBackup Storage Migrator leaves a placeholder or stub on the online disk when migrating selected files. When the file system issues an open request for a migrated file, it is recalled automatically and transparently to the original online disk. Partial file caching gives users and applications immediate access to part of the file while NetBackup Storage Migrator completes the retrieval.

Different types of data have different value and that value changes over time. Observing these changes describes a data lifecycle that can be translated into automated data management policies which facilitate storing data on the most appropriate resource.

NetBackup Storage Migrator constantly monitors online disk storage, compiling a list of files that meet storage manager-defined criteria. When an online disk reaches a predefined "high watermark," NetBackup Storage Migrator starts moving files that meet configured criteria. The migration process continues until the defined "low watermark" is reached, or until all eligible files are migrated. Storage managers also can initiate migration when they need more online disk storage capacity. This allows organizations to set aside less online storage for free space, while giving users and applications a perception of infinite online capacity.

Monitoring the usage and capacity of a volume allows the software to immediately react to critical storage conditions. Since NetBackup Storage Migrator will automatically free up space, administrators can feel safe running at 70, 80 or even 90 percent of capacity without a full-disk error crashing an application or preventing users from saving their work.

IMPROVED EFFICIENCY

NetBackup Storage Migrator reduces or delays the need to acquire new hardware by more efficiently using the resources you have for a higher return on

investment in these resources. For example, a tape library used solely for backup jobs can be used 24 hours a day, 7 days a week to expand online storage resources. And with less-frequently accessed data being migrated to near-line or offline storage, online storage is also more efficient as it will house only the most-frequently used data and will not suffer downtime as a result of a full disk.

Inefficient storage means unnecessarily long backup times and crippling restore times. NetBackup Storage Migrator reduces overall backup and recovery times by decreasing the number of files on the online disk. Backups write only the stubs to secondary storage. Online disk volume recovery recognizes and reconciles migrated files.

PRODUCT HIGHLIGHTS

• **Extend NetBackup:** Integrate with the powerful NetBackup media manager to migrate data from online storage to backup media. Use a Storage Area Network (SAN) as a target with the NetBackup Shared Storage Option™. Manage your NetBackup Storage Migrator™ media from the NetBackup Global Data Manager™ interface.

• **Enhance Oracle Recovery:** Migrating Oracle Archive/Redo logs allows you to store more logs for easier point-in-time recovery of Oracle databases. Creation of migration policies for Oracle Archive/Redo logs is simple thanks to an easy-to-use configuration wizard.

• **Streamline Data Protection/Disaster Recovery:** Stop continually backing up infrequently accessed files, which wastes disk space, tape, CPU, and network resources. In the event of a restore, the system needs to recover only a placeholder, not the entire file. Multiple copies of migrated data can be created for greater disaster protection. Integration with VERITAS NetBackup also means full disaster recovery since you have complete offsite copies of both backup and migrated data.

• **Retain Data Efficiently:** Industries like financial services, health care, and government have different demands for data retention. It is necessary to comply with each industry's regulations, yet too time consuming for administrators to handle manually. With NetBackup Storage Migrator, storage managers can configure policies to meet their unique data life cycles in a consistent, automated, cost-effective manner. NetBackup Storage Migrator also supports WORM tape media, which is a critical for compliance with data retention regulations.

• **Reduce Online Storage Total Cost of Ownership (TCO):** Delay or eliminate additional hardware acquisitions by efficiently using available resources. Reduce the load on critical storage administrators by automating data management in the storage hierarchy.

• **Leverage Existing Hardware Investment:** Integrate with VERITAS NetBackup for offline or near-line media management, as well as for sharing existing tape libraries. Get the most out of offline resources by using them more often and taking the load off of online resources.

SYSTEM REQUIREMENTS:
NetBackup Storage Migrator v 5.0 for UNIX

- VERITAS NetBackup™ 5.0
- Solaris: 7, 8, 9 with VxFS 4.0 or CFS 4.0: 145M of online disk for installation
- HP-UX: 11.0 with JFS 3.3;11.11, 11i with JFS 3.3/3.5: 145M of online disk for installation
- SGI/IRIX: 6.5.18 or later with XFS: 145M of online disk for installation
- CD-ROM
- Supported secondary storage

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