

# Tributary Systems' Storage Director 5.0: Policy Based Data Management for the IT Professional

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Policy Based Data Management- sounds impressive, but what does it really mean and how does the IT Professional benefit by its implementation?

Every enterprise has at least one location where the bulk of the corporate data resides. This could be a tape physical tape library, a virtual tape server, a VTL, whatever. Now wouldn't it be sensible to make this data location a "storage services director," where data protection, data management and archiving services could be applied to all data assets per customer derived, pre-established, policies. By creating these data management policies, pools of data can be managed based on considerations such as protection and recovery requirements, the diversity of threats to the data, and storage cost. Backing up mission critical data to tape might well exceed data restore SLA's, long term archiving of low priority data on expensive SDD's may be overkill and a waste of resources.

A federated approach, in which a "storage director" serves as the cornerstone of policy-based data management services delivery, is quickly gaining mindshare among knowledgeable users. Storage directors must facilitate the handling of large quantities of data; ensure adequate connectivity for both data sources, converged data storage infrastructure and streamline the management of the policies customers implement.

There is only one company that has taken this "federated" approach, Tributary Systems; whose Storage Director® 5.0 product is a customer centric software defined policy-based data management solution that connects "any host to any storage technology". Storage Director applies appropriate protective, management and archival services to data, while simultaneously converging the backup infrastructure. In fact, Tributary Systems is an HPE Converged Infrastructure Ready Solutions Partner.

With Tributary Systems' Storage Director, enterprises can apply data policies down to individual data volumes on any host platform, based on business criteria and importance to business resiliency and restoration. This is intelligent data management!

In enterprises with multiple host platforms – HPE NonStop NB, NS and now NonStop X servers, Superdome X servers, HPE Open VMS, Windows and VMware running HPE Data Protector, IBM zOS mainframes, IBM AS/400s iOS (now IBM PowerSystems), plus Linux, Unix, and Windows servers– Storage Director enables sharing storage technologies otherwise dedicated to each host platform. Such storage technologies can include existing enterprise storage disk, HPE StoreOnce, EMC Data Domain, and Quantum DXI data de-duplication devices, physical tape,

Amazon S3, Microsoft Azure and Openstack compatible Cloud, or any combination of storage technologies dictated by customer data management needs. Such a converged approach improves storage performance, enables consolidation, and can lead to real savings of time, power and most importantly staff.

## **Storage Director 5.0 offers numerous compelling features for corporate IT professionals:**

Storage Director 5.0 virtualizes and consolidates data backup to a single storage target in any heterogeneous datacenter-

- The product is designed for high availability computing environments and meets or exceeds data backup requirements for speed, capacity, compatibility and reliability
- Storage Director has full tape library management capabilities, allowing not only tape drive but also back-end physical tape library connection
- Storage Director has tape stacking, caching, data management, replication, monitoring and alerting capabilities; it also has the capability to be a transparent pass-through device
- Storage Director provides seamless integration of disk, tape and fully supports HPE StoreOnce, EMC Data Domain and Quantum DXI de-duplication technologies; Storage Director is an officially certified and supported solution by EMC, HPE Storage, and Quantum
- Storage Director utilizes AES 256 bit encryption
- Storage Director supports LZ compression in cache
- The product is non-disruptive to existing backup environments and applications, and enables data migration to Amazon S3, Microsoft Azure and Openstack compatible Clouds
- Supports iSCSI or Fiber Channel attachment to storage devices
- Integrates with all Backup Management Applications, including Commvault, NetBackup, TSM, and Veeam.
- Fully tested with HPE StoreOnce, EMC Data Domain and Quantum DXI de-duplication storage devices
- Storage Director has an intuitive easy to use GUI

Another important capability Storage Director provides is the ability to meet physical tape, de-duplication and remote site replication. This is a fully tested configuration which allows the use of replication features inherent in data backup systems.

### **Scalable and Expandable**

As backup requirements change, so too can Storage Director. Additional virtual libraries, drives, and tapes are easily added through a web-based GUI. Additional disk cache enclosures can be introduced into the system and throughput performance and higher availability can be achieved through the multi-node architecture. Storage Director will meet the needs of today and protect your investment by meeting a different set of needs tomorrow.

# Virtualized Data Backup, Replication and DR On-premise and in the Cloud



## Storage Director®

Backup and Recovery made simple and affordable.  
Tributary's Storage Director reduces complexity and cost by  
integrating software, storage and cloud technology.

- Runs in virtual instances on VMware
- Compatible with all host server platforms, operating systems and backup applications
- Intelligently scales storage locally and into the cloud (Amazon S3, Glacier or any object storage cloud)
- Incorporates built-in data reduction, WAN optimization and latency reduction
- Server appliance designed for fault-tolerant, high availability computing environments
- Meets or exceeds data backup requirements for speed, capacity, compatibility and reliability



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Tributary Systems, Inc. is a technology solution provider to enterprise computing customers. Tributary develops and sells data protection, backup storage, virtualization, site-to-site replication and disaster recovery solutions. Tributary is an acknowledged global leader in providing backup storage and data protection solutions for fault-tolerant, high availability, enterprise computing environments.

Tributary was founded in 1990 and is a Texas based company with its headquarters, development, integration, and test facilities in Bedford, Texas.

Through its channels and direct sales organization, Tributary has served customers worldwide, predominantly in the banking, financial services, retail, telecom and healthcare industries. Tributary is a HPE business partner and OEM supplier, IBM OEM Partner (iOEM), Solution Reseller (ISR) and Business Partner, Quantum® Value-Added Reseller (VAR), and Oracle® OEM partner.