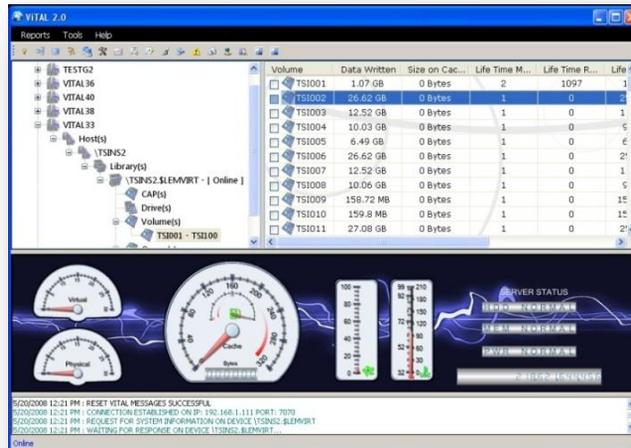




Tributary
SYSTEMS, INC



A high availability storage consolidation solution for the HP NonStop™ platform



BACKUP VIRTUALIZATION

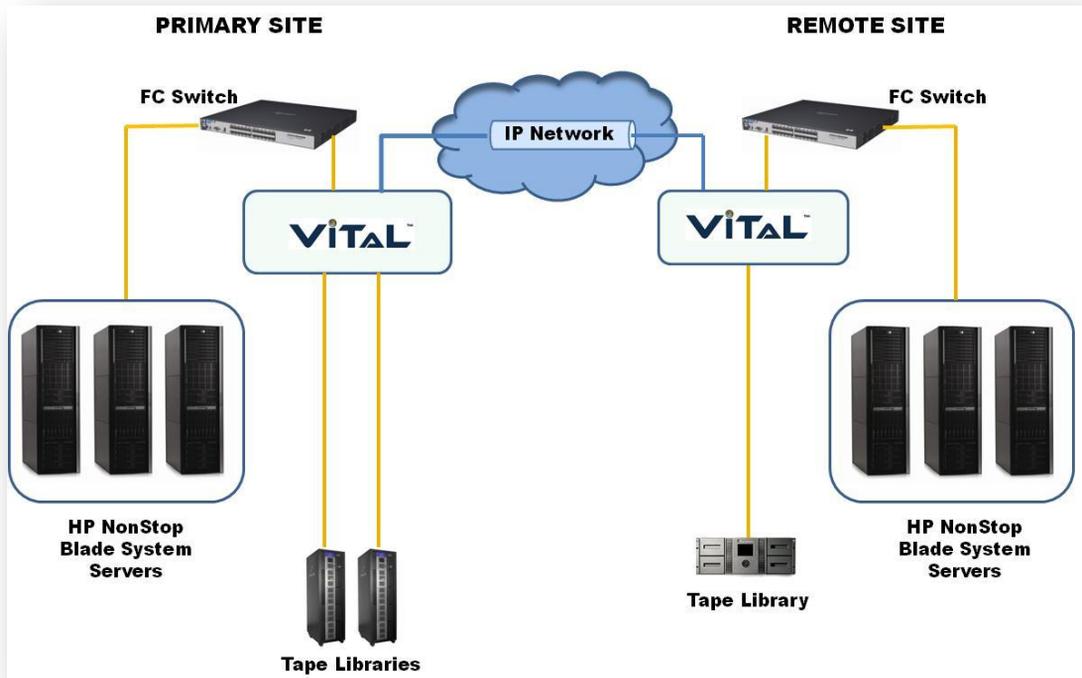
ViTAL® is a state-of-the-art backup storage virtualization solution for the HP NonStop™/Tandem platform. ViTAL is architected and built to satisfy the most demanding operational backup and archival requirements.

- Ability to connect to existing customer SANs
- Improved site-to-site replication to maximize throughput
- LTO 5 back-end tape drive support
- Fully automated operation of both virtual front-end and physical back-end devices
- Transparent remote backup and restore for off-site requirements and disaster recovery
- Ability to eliminate tape or consolidate tape libraries and drives to lower cost
- User defined policies direct data migration to any number of back-end devices
- Compression and AES encryption of data at rest and during migration
- Industry leading reports, monitoring and alerting for lights-out operations
- Low cost appliance models and customized configurations for specific customer needs

Virtual Integrated Tape and Library (ViTAL) from Tributary Systems, Inc. is now in its third generation. It offers a state-of-the-art backup storage consolidation platform which can handle requirements from even the most complex environments. ViTAL implements a wide variety of data protection schemes and tape library consolidation, thus eliminating the need to dedicate devices for specific backup purposes.

Fully Automated Backup and Restore Operations

The technology within ViTAL brings a scalable, flexible, and high-throughput solution to backup and restore operations. No longer do operations staff need to monitor data movement. ViTAL provides dynamic drive sharing, customer defined virtual tape policies, backup to local and remote sites, and a performance improvement over current backup methods.



Remote Site Backup and Disaster Recovery

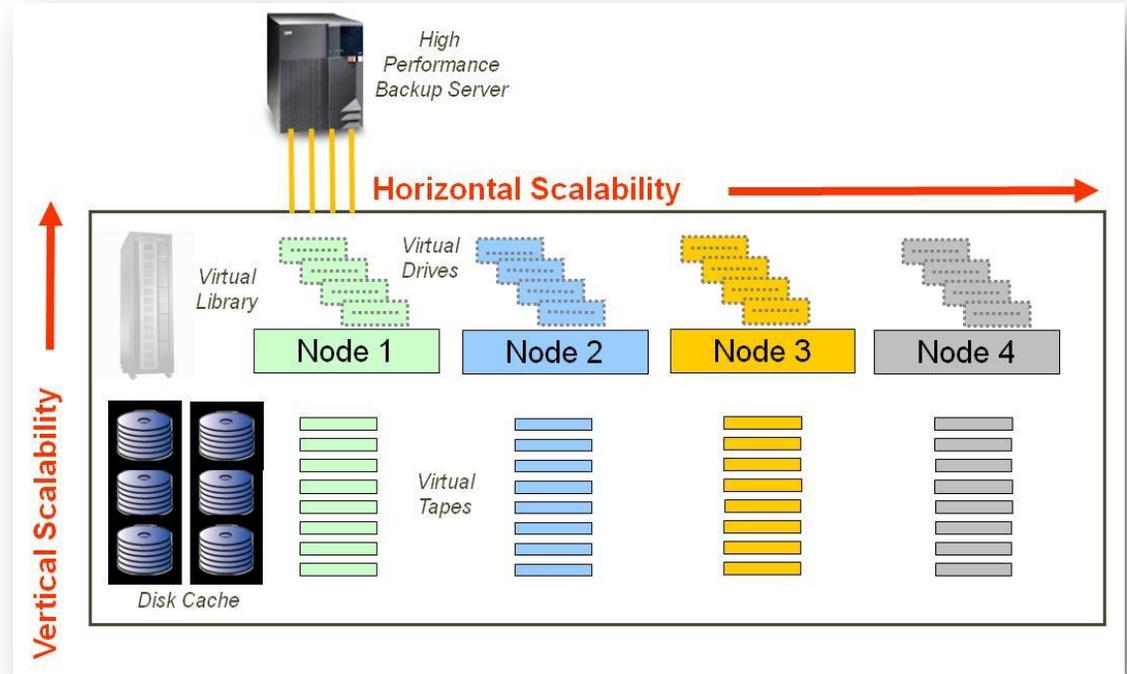
Offsite data storage is often a prerequisite in satisfying complete data backup and security. This can be accomplished by writing data to physical tape and then storing the tapes in an offsite vault. A better and more cost effective approach is to configure ViTAL to electronically transfer encrypted data to and from a remote site. Since the data is readily available at the remote site, restoring using ViTAL at the remote site is an integral part in any disaster recovery plan.

Tape Library Distribution and Consolidation

Existing backup servers can utilize the multiple front-end virtual libraries presented by ViTAL. These backup servers view each connected front-end virtual library as dedicated to its needs. ViTAL, in turn, can consolidate these virtual libraries into one or more physical back-end devices – typically a tape library with drives. The result is a reduction in the number of tape libraries and drives needed as well as reduced maintenance costs.

Scalable and Expandable

As backup requirements change, so too can ViTAL. Additional virtual libraries, drives, and tapes are easily added through a client 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. ViTAL will meet the needs of today and protect your investment by meeting a different set of needs tomorrow.



Customized Configurations

ViTAL will meet the needs of large data center customers as well as small entry level customers. ViTAL is available in the following configurations: ANDROMEDA 900, ANDROMEDA 2100, and ANDROMEDA 3000. ANDROMEDA is a low cost, self-contained 3U backup storage appliance, architected and built on the proven ViTAL backup virtualization platform to satisfy the most demanding operational backup and archival requirements for lights-out and multi-platform enterprise computing environments. Backup sizes, throughput requirements, tape retention policies, availability requirements, as well as future growth rates will determine which model best fits a customer's needs.

ViTAL at a Glance:

Virtual Slot Capacity per Library	Up to 30,000
Virtual Drive Capacity per Library	Up to 50
Virtual Libraries	Up to 100
Virtual Cartridge Capacity	Up to 30 GB uncompressed per cartridge
Data Backup Rate	Up to 4 TB / hour / node



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 and software development and test facility in Austin, 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 HP business partner and OEM supplier, IBM OEM Partner (iOEM), Solution Reseller (ISR) and Business Partner, Quantum® Value-Added Reseller (VAR), and Oracle® OEM partner.



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