



Tributary
SYSTEMS, INC



ANTARES



**A low cost backup storage appliance for
enterprise computing platforms**



ANTARES 900	9 TB usable
ANTARES 2100	21 TB usable
ANTARES 3000	30 TB usable

ANTARES is a low cost, self-contained 3U backup storage appliance for IBM®, HP, Oracle®/Sun and open computing platforms running Windows®, Linux®, i/OS and UNIX® operating systems. ANTARES is compatible with NetBackup, Simpana, TSM, BRMS and other backup applications. ANTARES is architected and built on the proven Storage Director® backup virtualization platform to satisfy the most demanding operational backup and archival requirements for lights-out and multi-platform enterprise computing environments.

- Ability to attach to existing customer de-dupe appliances
- Provides fully automated backup and restore operations
- Integrated alerting and messaging capabilities for industry leading reports, analysis, and capacity planning
- Data-at-rest compression/encryption on both disk cache and physical tape media
- Transparent remote backup and restore features to satisfy off-site archival requirements
- Enables alternate site disaster recovery schemes
- User defined policies allow flexible tape and data migration strategies
- Supports tape library distribution and consolidation, or elimination of tape altogether
- Supports LTO 5 technology
- All-in-one 3U appliance
- Lowest cost backup enterprise storage solution today

LOW COST BACKUP STORAGE APPLIANCE

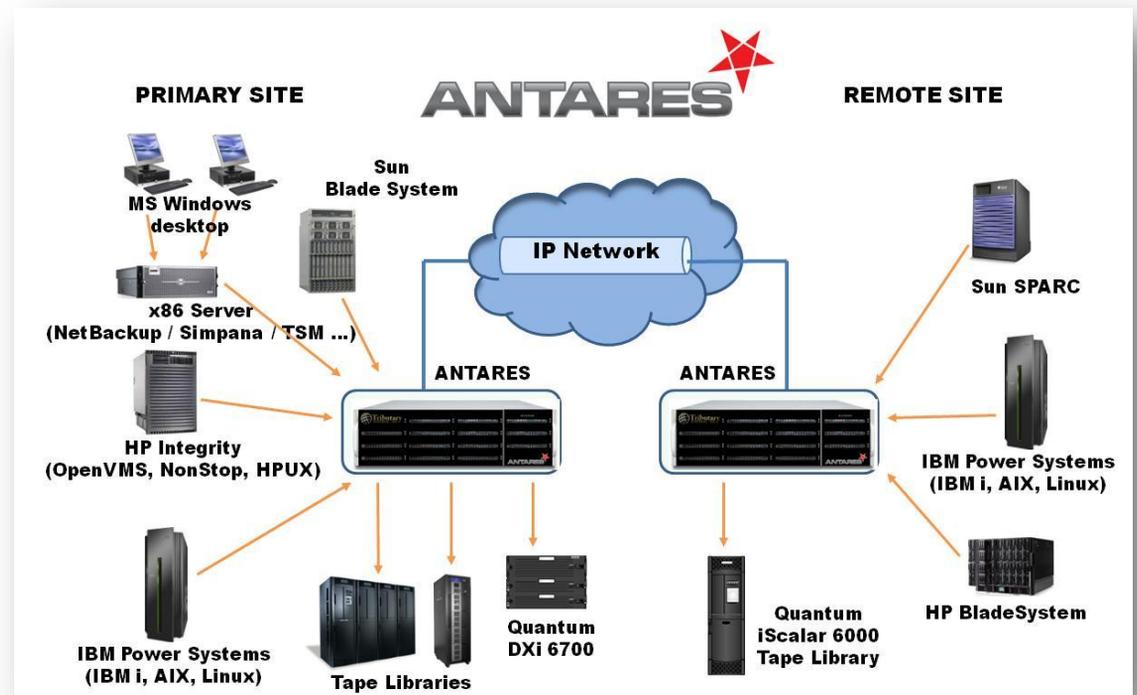
ANTARES offers a state-of-the-art backup storage consolidation appliance which can handle requirements from even the most complex environments. ANTARES provides backup storage and implements a wide variety of data protection schemes and tape library consolidation, thus eliminating the need to dedicate devices for specific backup purposes.

Fully Automated Backup and Restore Operations

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

Multi-Platform Heterogeneous Environments

ANTARES emulates several standard front-end interfaces in which existing backup servers and applications can connect and control. Because ANTARES adheres to using standard interfaces, backup servers can reside on nearly any platform and operating system in the market today. This includes IBM iSeries® (AS400®), IBM Power Systems™, Oracle SPARC, blade systems, and of course, x86 Intel® or AMD based systems all running backup applications on Microsoft® Windows, Linux, UNIX and more.



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 ANTARES to electronically transfer encrypted data to and from a remote site. Since the data is readily available at the remote site, restoring using ANTARES at the remote site is an integral part in any disaster recovery plan. ANTARES incorporates enhanced tape replication features and has the option to be ordered with WAN optimization to enhance throughput.

Tape Library Distribution and Consolidation

Existing backup servers can utilize the multiple front-end virtual libraries presented by ANTARES. These backup servers view each connected front-end virtual library as dedicated to its needs. ANTARES, 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.

ANTARES Configurations

ANTARES is architected and built on the proven Storage Director backup virtualization platform and will meet the needs of large data center customers as well as small entry level customers. ANTARES is available in the following configurations: ANTARES 900, ANTARES 2100, and ANTARES 3000. 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.



ANTARES at a Glance:

Virtual Slot Capacity per Library	Up to 30,000
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Virtual Drive Capacity per Library	Up to 50
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Virtual Libraries	Up to 100
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SERVER NODE:

Interfaces	Four 4 Gbps FC front-end ports Four 4 Gbps FC back-end ports 1 Gbps Ethernet for iSCSI 1 Gbps Ethernet for management AES 256 Encryption
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Storage Capacity (usable)	RAID 6 with hot spare ANTARES 900: 9 TB ANTARES 2100: 21 TB ANTARES 3000: 30 TB
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Performance	4 TB / hour per node
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Emulations	IBM 3584, HP E-Series, STK L700, ACSLS, proprietary LTO-1, LTO-3, LTO-4, 3592, 9940, T10000, N1525
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Physical Specs	Height: 5.2" (132mm) (rack mount 3U) Width: 17.2" (437mm) Depth: 25.5" (648mm) Weight: 72 lbs.
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Operating Environment	Temperature: 10-35 C (60-95 F) Humidity: 8-90% non-condensing
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Power	Redundant 1200W high-efficiency power supplies 1000W Output @ 100-140V, 11.5-8A, 50-60Hz 1200W Output @ 180-240V, 8-5.5A, 50-60Hz
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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 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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