STORAGETEK TAPE ANALYTICS SOFTWARE

SIMPLE, PROACTIVE, AND FLEXIBLE

KEY FEATURES

- Simplified tape monitoring
- Proactive approach to maintaining a healthy tape environment
- Automated reports and email notifications
- Scalable to meet the needs of the world's largest archives
- Flexible solution that does not invade the data path
- Built on a proven Oracle Fusion Middleware code base
- Monitoring for drives manufactured by Oracle, HP and IBM
- Multivendor media support
- Automated Library Media Validation
- Monitoring of geographically dispersed tape environments from a single pane of glass
- Engineered exclusively for StorageTek tape libraries

Managing tape storage has never been easier. Oracle's StorageTek Tape Analytics software simplifies tape storage management because it takes a proactive approach to eliminate library, drive, and media errors thorough an intelligent monitoring software application available exclusively for Oracle's StorageTek tape libraries.

Simplified, Proactive Tape Management

StorageTek Tape Analytics software is changing the way the world manages tape by moving from a reactive approach to a proactive, predictive approach. StorageTek Tape Analytics software captures library, drive, and media health metrics in its dedicated server database and runs analytical calculations on these data elements to produce proactive recommendations for tape storage administrators. A proactive approach to managing the health of a tape environment improves the performance and reliability of existing tape investments and helps executives make informed decisions about future expenditures.
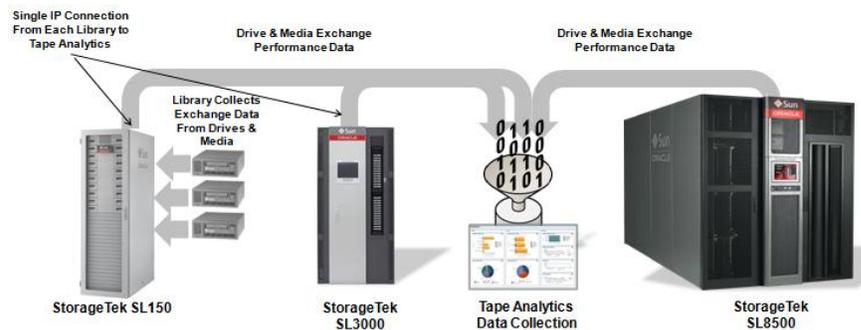

StorageTek Tape Analytics software provides tape storage customers with access to leading-edge tape monitoring software that goes far beyond exposing a red, yellow, or green indicator. Rather, StorageTek Tape Analytics software provides insights into more than 100 detailed drive, media, and library health attributes that empower tape storage administrators to make proactive decisions about their tape environments prior to device failures.

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A Unique and Secure Approach

StorageTek tape libraries are engineered to work with StorageTek Tape Analytics software so that customers do not have to take on additional risk when monitoring tape storage devices. The software is architected to simplify tape monitoring, not to add complexity to tape environments. StorageTek Tape Analytics software connects to each library it is monitoring via a single Ethernet connection. StorageTek tape libraries are engineered to use SNMP protocol to pass additional drive and media health information directly to the StorageTek Tape Analytics software through the dedicated IP port.

Other vendors deploy an appliance directly into the data path, exposing the tape environment to unnecessary risk. When a third-party appliance is deployed into the data path, drive and media health data moves alongside live data after every cartridge mount request. When the third-party appliance reserves a tape drive to gather this data, the drive is no longer available to the backup or archive applications. If the third-party monitoring appliance goes offline for any reason, the risk of losing access to a tape drive increases. In addition to invading the data path, these third-party appliance solutions require switches and, ultimately, add cost. Oracle's architecture is truly out-of-band, providing a safe and secure approach to monitoring the health of tape storage devices.

Growth with Peace of Mind

When investing in tape technology, customers look for solutions that can be deployed for the life of their data. The software that monitors these investments should be scalable to support these long-term investments. StorageTek Tape Analytics software scales to meet the needs of the largest archives in the world. It is designed so that the database capturing the health of tape devices scales with the tape environment. Solutions from other manufacturers have limited databases, forcing their monitoring software to purge health data halfway through a library's useful life. This is not the case with StorageTek Tape Analytics software. It ensures that customers have access to the current and historical health data of their tape libraries for the life of their deployments.

Built on Oracle Software for High Reliability

StorageTek Tape Analytics is built on industry-leading Oracle Fusion Middleware Advanced Development Framework, an application that serves various verticals and more than 100,000 customers worldwide. The leveraging of Oracle's software stack for Oracle's StorageTek Tape Analytics provides peace of mind that the code base is well supported, with the full force of Oracle engineering supporting enhancements to the software framework.

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Specifications for StorageTek Tape Analytics 2.0

Minimum Operating System Requirements

• Oracle Linux
    ○ 6u3, 6u4 with Unbreakable Enterprise Kernel for Oracle Linux
    ○ 6u3, 6u4 with Red Hat Kernel

Minimum Hardware Requirements for Dedicated Server[1]
• Memory – 16 GB RAM • Processor – Intel Xeon 5600 Series or equal AMD CPUs. Minimum two CPUs. Recommended three to four CPUs, or capability to expand to this configuration • Memory – Minimum: 16 GB RAM. Recommended: 24-32GB RAM • O/S Disk – Dual HDD drives: 600GB Single Library, 1 TB Multiple Libraries[2] • Connection – Gigabit Ethernet
Supported Tape Libraries
• StorageTek SL8500 Modular Library System • StorageTek SL3000 Modular Library System • StorageTek SL500 Modular Library System • StorageTek SL150 Modular Library System

Supported Tape Drives	
• StorageTek T10000D Tape Drive	• StorageTek HP LTO-5 Tape Drive
• StorageTek T10000C Tape Drive	• StorageTek HP LTO-4 Tape Drive
• StorageTek T10000B Tape Drive	• StorageTek HP LTO-3 Tape Drive
• StorageTek T10000A Tape Drive	• StorageTek IBM LTO-6 Tape Drive
• StorageTek T9840D Tape Drive	• StorageTek IBM LTO-5 Tape Drive
• StorageTek T9840C Tape Drive	• StorageTek IBM LTO-4 Tape Drive
• StorageTek HP LTO-6 Tape Drive	• StorageTek IBM LTO-3 Tape Drive

Supported Tape Media	
• StorageTek T1 Media	• Sony LTO-3 Media
• StorageTek T2 Media	• Sony LTO-4 Media
• StorageTek LTO-3 Media	• Sony LTO-5 Media
• StorageTek LTO-4 Media	• Sony LTO-6 Media
• StorageTek LTO-5 Media	• Maxell LTO-3 Media
• StorageTek LTO-6 Media	• Maxell LTO-4 Media
• StorageTek 9840 Media	• Maxell LTO-5 Media
• Imation LTO-3 Media	• Maxell LTO-6 Media
• Imation LTO-4 Media	• HP LTO-3 Media
• Imation LTO-5 Media	• HP LTO-4 Media
• Imation LTO-6 Media	• HP LTO-5 Media
• Fujifilm LTO-3 Media	• HP LTO-6 Media
• Fujifilm LTO-4 Media	• IBM LTO-3 Media
• Fujifilm LTO-5 Media	• IBM LTO-4 Media
• Fujifilm LTO-6 Media	• IBM LTO-5 Media
• TDK LTO-3 Media	• IBM LTO-6 Media
• TDK LTO-4 Media	• Quantum LTO-3 Media
• TDK LTO-5 Media	• Quantum LTO-4 Media
• TDK LTO-6 Media	• Quantum LTO-5 Media

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• Dell LTO-3 Media	• Quantum LTO-6 Media
• Dell LTO-4 Media	• Spectra Logic LTO-3 Media
• Dell LTO-5 Media	• Spectra Logic LTO-4 Media
• Dell LTO-6 Media	• Spectra Logic LTO-5 Media
	• Spectra Logic LTO-6 Media
Minimum Supported Browser Requirements	
• FireFox 13+	
• Internet Explorer 9.0	

[1]For automated, periodic, full, and incremental backups, Oracle recommends an additional standalone server or Network Attached Storage (NAS) appliance with 1 TB free space and support for SCP file transfers.

[2]As the number of data exchanges increases, so does the size of the database. Consult your Oracle sales representative to best determine your storage needs.

Oracle E-Delivery Download Site

Visit https://edelivery.oracle.com/ for a free 30-day trial and licensed downloads and software updates.

Services

Visit oracle.com/sun/services for information on Oracle's service program offerings for Oracle products.

Contact Us

For more information about StorageTek Tape Analytics software, please visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

Oracle is committed to developing practices and products that help protect the environment

Hardware and Software, Engineered to Work Together

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