



IBM Tape System Library Manager Version 1.1 provides consolidation and simplification benefits

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At a glance

IBM® Tape System Library Manager Version 1.1 expands and simplifies the use of IBM TS3500 tape libraries by providing a consolidated view of multiple libraries capable of storing up to 2.7 Exabytes and reducing tape pathing maintenance and definitions by up to 75%.

Overview

IBM Tape System Library Manager Version 1.1 software provides consolidation and simplification benefits in an open systems IBM TS3500 Tape Library environment. The Tape System Library Manager software is utilized in production environments as a service offering called eRMM (enterprise Removable Media Manager).

Tape System Library Manager is designed to provide:

- Consolidated mainframe-class media management services
- Centralized repository, access control, and administration
- Management beyond physical library boundaries
 - Access multiple TS3500s as a single library image
 - TS3500s can be separate (at SAN distances) or connected in a shuttle complex
- Dynamic sharing of resources across heterogeneous application boundaries
- Security features to permit or prevent application access to tapes
 - Create common scratch pool and private pools for every application
 - Ensure secure usage and visibility
- Policy-based drive and cartridge allocation
- Policy-based media-lifecycle management
- Tivoli® Storage Manager enhancements
 - Simplify path management in TSM
 - Simplify device sharing
- Emulation of legacy 3494 library operation with TS3500s

Key prerequisites

- An IBM TS3500 Library

- Server running one of the following operating systems:
 - AIX® 6.1
 - AIX 7.1
 - Red Hat Enterprise Linux™ 5.7 (RHEL 5.7)
 - SUSE Linux Enterprise Server 11 (SLES 11)
- Client running one of the following operating systems:
 - AIX 6.1
 - AIX 7.1
 - Red Hat Enterprise Linux 5.7 (RHEL 5.7)
 - SUSE Linux Enterprise Server 11 (SLES 11)
 - Windows™ server 2008
 - Solaris 10 for SPARC processor
 - HP-UX 11i v3

Planned availability date

June 8, 2012

Description

IBM Tape System Library Manager Version 1.1 centralizes the management of TS3500 libraries, tape cartridges, and tape drives when using Tivoli Storage Manager. Tape System Library Manager provides dynamic resource sharing and management of tape storage resources in open systems heterogeneous, distributed backup, and archive environments.

Tape System Library Manager can combine the capacity of multiple TS3500 libraries into a single reservoir of tape storage that can be managed from a single point, allowing more effective management, monitoring, and reporting of the use of tape storage resources for new and existing TS3500 systems.

IBM Tape System Library Manager is software designed to exceed today's tape storage management challenges for a wide variety of customers involved in High Performance Computing (HPC) environments such as oil and gas exploration and genomic analysis, where dozens of tape libraries and hundreds of tape drives must be shared and managed to backup and archive petabytes of data at the lowest cost possible. IBM TS3500 systems with a shuttle connector, Tape System Library Manager and management by Tivoli Storage Manager are the ideal solution.

Designed to exceed these needs, IBM Tape System Library Manager

- Enables clients with large tape environments spanning multiple IBM TS3500 Tape Libraries to manage them as a single system with the shuttle connector hardware
- Enables HPC clients running Tivoli Storage Manager to use the Tape Shuttle connector to build very large tape complexes
- Simplifies the tape drive connection definitions, saving operational resources that would be used to manage pathing over time on IBM TS3500 Tape libraries
- Enables existing Seismic customers, previously limited to 3494 libraries, to migrate to TS3500 using Tape System Library Manager, eliminating the need to find, refurbish, and support older IBM 3494 libraries which have been withdrawn from sales and do not support the latest TS1140 Enterprise-class Tape drive technology or LTO™ drives

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

Product positioning

- Enables clients with large tape environments, spanning multiple TS3500 Tape Libraries, to manage them as a single system comprised of one or more pools of drives and cartridges
- Enables IBM Tivoli Storage Manager support for the TS3500 shuttle complex
- Simplifies the creation and management of Tivoli Storage Manager tape drive paths to the TS3500 in the storage area network
- Provides investment protection of tape drives and cartridges for customers using applications designed for the IBM 3494 Tape Library

Statement of direction

IBM Tape System Library Manager support for ProtectTIER® is planned for the end of 2012.

IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice at IBM's sole discretion. Information regarding potential future products is intended to outline our general product direction and it should not be relied on in making a purchasing decision. The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. Information about potential future products may not be incorporated into any contract. The development, release, and timing of any future features or functionality described for our products remains at our sole discretion.

Program number

IBM Tape System Library Manager V1R1

Program number	VRM	Program name
5639-HAA	1.1.0	IBM Tape System Library Manager V1R1

Software Maintenance:

5639-HAB		IBM Tape System Library Manager 1 year Registration and Renewal
5639-HAC		IBM Tape System Library Manager 1 year After License
5639-HAG		IBM Tape System Library Manager 2 years Registration
5639-HAD		IBM Tape System Library Manager 3 years Registration
5639-HAE		IBM Tape System Library Manager 3 years Renewal
5639-HAF		IBM Tape System Library Manager 3 years After License
5639-HAH		IBM Tape System Library Manager 4 years Registration
5639-HAI		IBM Tape System Library Manager 5 years Registration

Product identification number

IBM Tape System Library Manager V1R1

Program PID number	First Yr Reg and Maintenance 1 year Renewal PID number	Maintenance 1 year After License PID number
5639-HAA	5639-HAB	5639-HAC
	Maintenance 3 years Registration PID number	Maintenance 3 years Renewal PID number
	5639-HAD	5639-HAE
	Maintenance 3 years After License PID number	
	5639-HAF	
	Maintenance 2 years Registration PID number	Maintenance 4 years Registration PID number
	5639-HAG	5639-HAH
	Maintenance 5 years Registration PID number	
	5639-HAI	

Education support

IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers are on the IBM training website

<http://www.ibm.com/services/learning/>

Contact your IBM representative for course information.

Offering Information

Product information is available via the Offering Information website

<http://www.ibm.com/common/ssi>

Publications

No publications are shipped with this program.

English publications for IBM Tape System Library Manager V1R1 are included in the IBM Tape System Library Manager V1R1 Documentation CD when the media supply feature is ordered for IBM Tape System Library Manager, V1R1.

Publications will be available on the IBM Publications Center website in additional languages by July 7, 2012.

<http://www-05.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>

To order select related hardcopy publications for a fee or download free PDF format publications, visit the IBM Publications Center website:

<http://www.ibm.com/shop/publications/order>

Specified operating environment

Hardware requirements

General platform prerequisites

- TS3500 (3584)

Software requirements

Operating system prerequisites

- Server running one of the following operating systems:
 - AIX 6.1
 - AIX 7.1
 - Red Hat Enterprise Linux 5.7 (RHEL 5.7)
 - SUSE Linux Enterprise Server 11 (SLES 11)
- Client running one of the following operating systems:
 - AIX 6.1
 - AIX 7.1
 - Red Hat Enterprise Linux 5.7 (RHEL 5.7)
 - SUSE Linux Enterprise Server 11 (SLES 11)
 - Windows server 2008
 - Solaris 10 for SPARC processor
 - HP-UX 11i v3

Connectivity prerequisites

IBM Tape System Library Manager Version 1.1 is a software product, accessibility is via the host server.

You must have the correct level of the firmware, microcode, and operating system for your adapter and host. For the most current information about supported host bus adapters (HBAs), firmware, and device driver information for your host system and host adapter, go to the System Storage® Interoperation Center (SSIC) website at

<http://www-03.ibm.com/systems/support/storage/ssic/interoperability.wss>

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a README file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

Companion products

The following product or services could be purchased with this product:

- IBM TS3500 Tape Library

Limitations

For additional information, refer to [Usage restriction](#) in the [Terms and conditions](#) section of this announcement, or to the license information document that is available on the IBM Software License Agreement website

<http://www.ibm.com/software/sla/sladb.nsf>

Planning information

Packaging

For new orders of IBM Tape System Library Manager V1.1.0 (5639-HAA), the following media is shipped with media feature 5806:

- IBM Tape System Library Manager, Version 1.1.0; Includes DB2® Workgroup Server Edition 9.7 (LCD7-5606)
- IBM Tape System Library Manager Version 1 Release 1 User's Guide (LCD7-5607)
- IBM Tape System Library Manager, Version 1.1.0; Agreements and License Information (LCD7-5608)

Security, auditability, and control

IBM Tape System Library Manager Version 1.1 uses the security and auditability features of host hardware, host software, or application software to which it is attached. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Global Technology Services

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings for the efficient installation, implementation, or integration of this product.

Ordering information

Consult your IBM representative.

Charge metric

Program name	Part number or PID number	Charge metric
IBM Tape System Library Manager V1R1	5639-HAA	Per Install

Install

Install is a unit of measure by which the program can be licensed. An install is an installed copy of the program on a physical or virtual disk made available to be executed on a computer. Licensee must obtain an entitlement for each install of the program.

IBM Tape System Library Manager V1R1

Program name: IBM Tape System Library Manager
Program PID: 5639-HAA

Contact your local IBM representative for the applicable charges.

5639-HAA:
IBM Tape System Library Manager

Use Authorizations
with One Year Software Maintenance

One-time charge features

IBM Tape System Library Manager

per Server Install with 1 Year
SW Maintenance

Feature description	OTC Feature code
TSLM Supporting TS3500 Per Install with 1 Year SW Maintenance	UABKC1
Feature description	Feature number
Media Deliverable - DVD Serial number only	5806 3444

This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

Extending coverage for a total of three years from the date of acquisition may be elected. Order the program number, feature number, and quantity to extend coverage for your software licenses. If maintenance has expired, specify the after license feature number.

IBM Tape System Library Manager Software Maintenance

5639-HAB:
IBM Tape System Library Manager
No Charge Registration,
1 year Renewal
Software Maintenance

Feature description	OTC Feature number
TSLM Supporting TS3500 Per Install SW Maintenance No Charge Registration	UABNC2
TSLM Supporting TS3500 Per Install SW Maintenance 1 Year Renewal	UABNC3

5639-HAC:
IBM Tape System Library Manager
1 year After License
Software Maintenance

Feature description	OTC Feature number
TSLM Supporting TS3500 Per Install SW Maintenance 1 Year After License	UABSC4

5639-HAD:
IBM Tape System Library Manager
3 years Registration
Software Maintenance

Feature description	OTC Feature number
TSLM Supporting TS3500 Per Install SW Maintenance 3 years Registration	UABVC5

5639-HAE:

IBM Tape System Library Manager
3 years Renewal
Software Maintenance

Feature description	OTC Feature number
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TSLM Supporting TS3500 Per Install SW Maintenance 3 years Renewal	UABYC6
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5639-HAF:
IBM Tape System Library Manager
3 years After License
Software Maintenance

Feature description	OTC Feature number
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TSLM Supporting TS3500 Per Install SW Maintenance 3 years After License	UAB1C7
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5639-HAG:
IBM Tape System Library Manager
2 years Registration
Software Maintenance

Feature description	OTC Feature number
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TSLM Supporting TS3500 Per Install SW Maintenance 2 years Registration	MAB4TA
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5639-HAH:
IBM Tape System Library Manager
4 years Registration
Software Maintenance

Feature description	OTC Feature number
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TSLM Supporting TS3500 Per Install SW Maintenance 4 years Registration	MAB7TB
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5639-HAI:
IBM Tape System Library Manager
5 years Registration
Software Maintenance

Feature description	OTC Feature number
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TSLM Supporting TS3500 Per Install SW Maintenance 5 years Registration	MACATC
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Customized Offerings

Product deliverables are shipped only via CBPDO, ServerPac, and SystemPac® .

CBPDO and ServerPac are offered for Internet delivery in countries where ShopzSeries product ordering is available. Internet delivery reduces software delivery time and allows you to install software without the need to handle tapes. For more details on Internet delivery, refer to the ShopzSeries help information at

<http://www.software.ibm.com/ShopzSeries>

You choose the delivery method when you order the software. IBM recommends Internet delivery. In addition to Internet and DVD, the supported tape delivery options for CBPDO, ServerPac, and SystemPac, include:

- 3590
- 3592

Most products can be ordered in ServerPac and SystemPac the month following their availability on CBPDO. z/OS® can be ordered via all three offerings at general availability. Production of software product orders will begin on the planned general availability date.

- CBPDO shipments will begin one week after general availability.
- ServerPac shipments will begin two weeks after general availability
- SystemPac shipments will begin four weeks after general availability due to additional customization, and data input verification.

Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage® Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

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IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use.

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

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The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) agreement applies for Subscription and Support (also referred to as Software Maintenance) and does not require customer signatures.

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support (also referred to as Software Maintenance) can be extended by the purchase of a renewal option, if available. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

License Information form number

LICR ID # L-SSCZ-8SNMJJ

The program's License Information will be available for review on the IBM Software License Agreement website

<http://www.ibm.com/software/sla/sladb.nsf>

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the IBM Software Support Handbook found at

<http://www.ibm.com/support/handbook>

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Other terms

Volume orders (IVO)

Yes. Contact your IBM representative.

Passport Advantage applies

No

Usage restriction

Yes

IBM Tape System Library Manager V1R1 (5639-HAA) is licensed on a per Install basis.

For additional information, refer to the License Information document that is available on the IBM Software License Agreement website

<http://www.ibm.com/software/sla/sladb.nsf>

Software Subscription and Support applies

Yes. All distributed software licenses include Software Subscription and Support (also referred to as Software Maintenance) for a period of 12 months from the date of acquisition, providing a streamlined way to acquire IBM software and assure technical support coverage for all licenses. Extending coverage for a total of three years from date of acquisition may be elected.

While your Software Subscription and Support is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance via telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, every day of the year. For additional details, consult your IBM Software Support Handbook at

<http://www.ibm.com/support/handbook>

Software Subscription and Support does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under this agreement.

For more information about the Passport Advantage Agreement, visit the Passport Advantage website at

<http://www.ibm.com/software/passportadvantage>

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Yes. When ordering through the program number process, a 15% education allowance applies to qualified education institution customers.

Education Software Allowance Program applies when ordering through the program number process.

ESAP available

Yes, to qualified customers.

Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered destroyed or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

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IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution

and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

The Electronic Service Agent™ is no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

To learn how Electronic Services can work for you, visit

<http://www.ibm.com/support/electronic>

Prices

For all local charges, contact your IBM representative.

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<http://www.ibm.com/financing>

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All European, Middle Eastern, and African countries.

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<http://www.ibm.com/planetwide/>