



IBM Tape Manager for z/VM V1.3 can improve tape management across multiple z/VM systems

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At a glance

In addition to the functions in V1.2, Tape Manager for z/VM® V1.3 allows you to:

- Share tape volumes and tape devices across multiple z/VM systems in one geographic location
- Use RACF® for z/VM to manage access to pools of tape volumes
- Use RACF for z/VM to manage various system level options and authorizations
- Manage and use StorageTek tape devices, in addition to already supported IBM® devices

For ordering, contact your IBM representative or an IBM Business Partner. For more information, contact the Americas Call Centers at 800-IBM-CALL (426-2255).

Reference: ME001

Overview

IBM Tape Manager for z/VM provides key functions to manage tape volumes and tape devices on your z/VM systems, including:

- Access control for your tape volumes
- Resource monitoring, alerting you when scratch tapes are getting low
- Retention management for tape volumes
- Data Security Erase support for tapes containing sensitive data
- Management of tape devices, both manual mount and library mounts for volumes located in an Automated Tape Library (ATL) or Virtual Tape Server (VTS)
- Support for dynamically sharing tape devices across z/VM and non-z/VM systems

Tape Manager for z/VM V1.3 offers:

- Enhanced tape management for customers with multiple z/VM systems in one geographic location. By setting up one "catalog node" to manage all of the tape volumes for one physical location, you can create multiple "request nodes" that share the same catalog of tape volumes and tape devices. You no longer need to allocate a specific range of tape volumes to each z/VM system.
- Standardized access control through RACF for z/VM or an External Security Manager (ESM). You can now use RACF or other ESM to control access to pools of tape volumes, supporting central management of system security. For those not

using RACF or an ESM, you can continue to use the product-specific access control methods provided in previous releases of Tape Manager.

- Additional hardware support, specifically StorageTek devices.
- Usability enhancements.

More information about Tape Manager for z/VM V1.3 can be found at

<http://www.ibm.com/software/stormgmt/zvm/tape/index.html>

Key prerequisites

z/VM V5.3, z/VM V5.4, or z/VM V6.1

Planned availability date

September 10, 2010

Description

New in IBM Tape Manager for z/VM V1.3:

- Enhanced tape management for customers with multiple z/VM systems in one geographic location. Tape Manager V1.3 includes support for multiple z/VM systems to share the same physical tape volumes and devices. One z/VM system acts as the "catalog node", managing the catalog contents for tape volumes, including serial numbers, expiration dates, access control, scratch vs. used status, Data Security Erase (DSE) vs. no DSE, and catalog comments. Additional z/VM systems in the same geographic location can be "request nodes", communicating with the catalog node to fulfill requests such as mounting tapes, adding tape volumes to the catalog, and updating catalog information for a volume. By using one shared catalog, multiple z/VM systems can share tape volumes. Dynamic device sharing continues to be supported as it was in V1.2.
- Standardized access control of tape pools through RACF for z/VM or External Security Manager (ESM). As you continue to expand your use of z/VM to host Linux® and other guests, centralized security becomes critical. Tape Manager V1.3 addresses this need through optional use of RACF or other ESM to manage access to tape pools. Through RACF or other ESM, individual users or groups of users can be authorized to specific tape pools. The security management system provides centralized access control and reports for auditing.

Other system options in Tape Manager can also be controlled through RACF or other ESM, including:

- System Administrator and Operations authority
- Authorization to various Tape Manager commands
- Pool administrator authority for private tape pools
- Access to the system pool of free tapes from private tape pools

Alternatively, you can continue to use the product-specific tape pool access control methods provided in previous releases of Tape Manager.

- Usability enhancements, including:
 - Support for continuation characters in configuration files, making them easy to view and edit.
 - Expanded text data for tape volumes. The size of the free-form comment text field in the tape catalog for each tape volume has been expanded from 16 to 32 characters. In addition, the content of the field can be searched using Tape Manager query commands.

- The ability to specify Data Security Erase on a specific tape volume when the volume is initially added to the catalog.
- Enhanced management of Tape Manager's configuration information. The main configuration file can now be on any disk accessed by the Tape Manager service machine. This means you can place the configuration file on a disk that Tape Manager accesses read-only, allowing you to modify the configuration file while Tape Manager is running. The configuration file can then be reloaded with a short shutdown and restart of the Tape Manager service machines. In addition, multiple configuration files have been consolidated into the primary configuration file.
- Improved management of scratch tapes with new warning levels for low inventory of each media type.
- Support for StorageTek devices. In addition to the IBM tape devices, Automated Tape Libraries and Virtual Tape Servers, Tape Manager V1.3 supports StorageTek devices supported by Host Software Component V6.1.

Accessibility by people with disabilities

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

http://www.ibm.com/able/product_accessibility/index.html

Engine-based Value Unit pricing

Engine-based Value Unit pricing for Tape Manager for z/VM is designed to provide a decreasing price curve as hardware capacities and workload grow, which may help improve price/performance.

There may also be a price benefit when you grow your capacity. Additional capacity is not priced starting at the base with a higher price per unit. Instead, additional capacity is priced starting at the capacity (engines) on which Tape Manager for z/VM has already been installed.

Note: Value Units of a given product cannot be exchanged, interchanged, or aggregated with Value Units of another product.

A no-charge Subscription and Support registration record will be established for each designated machine where Tape Manager for z/VM is running. These no-charge Subscription and Support registration records will be linked to the billable Subscription and Support, and all billable Subscription and Support within the scope of the engine-based Value Units aggregation will be linked together.

Subscription and Support is an annual charge and should be kept at an annual term.

Reference information

For more information about Tape Manager, refer to:

- Software Announcement [A06-0286](#), dated February 21, 2006
- Software Announcement [A05-0286](#), dated February 22, 2005

Program number

Program number	VRM	Program name
5697-J08	v1.3	Tape Manager for z/VM

Product identification number

Program PID number	Subscription and Support PID number
5697-J08	5697-J11

Offering Information

Product information is available via the Offering Information Web site

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

Publications

Other than the Program Directory, no hardcopy publications are shipped with this program.

The following publications can be downloaded from the product Web site or the IBM Publications Center at planned availability.

Title	Order number
Installation and Administration Guide	SC18-9344
User's Guide and Reference	SC18-9349
Program Directory	GI10-8660

They are available in PDF format.

The product Web site

<http://www.ibm.com/software/stormgmt/zvm/tape/library.html>

The IBM Publications Center

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

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the U.S.) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries, free of charge.

Technical information

Specified operating environment

Hardware requirements

Tape Manager for z/VM V1.3 will operate on any hardware that supports the prerequisite software.

Tape Manager V1.3 will operate on any IBM tape device supported by a supported level of CMS. Support for sharing of tape devices requires 3480 tape devices, or later.

Tape Manager V1.3 will operate on any Oracle StorageTek silo that interface with VM/Host Software Component V6.1, or later.

Software requirements

All prerequisites and corequisites for these products apply.

The products listed here are supported only while service is available for those products.

Tape Manager V1.3 requires

- One of the following:
 - z/VM V5.3 (5741-A05), or later
 - z/VM V6.1 (5741-A07), or later
- One of the following:
 - IBM Library for REXX™ on zSeries® V1.4 (5695-014).
 - IBM Alternate Library for REXX on zSeries. IBM recommends you acquire the latest available version. It's available as a free download from <http://www.ibm.com/software/awdtools/rexx/rexxzseries/index.html>
- DFSMS™ Removable Media Services (RMS) for support of an IBM Automated Tape Library (ATL) or Virtual Tape Server (VTS).
- Oracle StorageTek VM/Host Software Component V6.1 for support of Oracle StorageTek silos.
- The PTF for Tape Manager APAR PM20384 for support of Oracle StorageTek silos.

When using Tape Manager with DFSMSrmm™, the following are required:

- z/OS® V1.9 (5694-A01), or later
- The DFSMSrmm optional feature of the z/OS release installed
- A TCP/IP connection between the z/VM and z/OS systems that will be sharing the RMM tape catalog

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

Backup and Restore Manager for z/VM (5697-J06) can be licensed and used in conjunction with Tape Manager for z/VM to provide comprehensive backup and restore capabilities for system administrators responsible for maintaining z/VM systems. For more information about Backup and Restore Manager, refer to Software Announcement .

Operations Manager for z/VM (5697-J10) can be licensed and used in conjunction with Tape Manager for z/VM to provide automation and scheduling support for system administrators responsible for maintaining z/VM systems. For more information about Operations Manager, refer to Software Announcement [A08-0666](#), dated June 10, 2008.

Archive Manager for z/VM (5697-J05) can be licensed and used in conjunction with Tape Manager for z/VM to provide users the ability to archive CMS and non-CMS data. For more information about Archive Manager, refer to Software Announcement [A05-1128](#), dated August 23, 2005.

Compatibility

Configuration files created with V1.2 must be updated for compatibility with Tape Manager for z/VM V1.3. The tape catalog must also be migrated from the V1.2 format to the V1.3 format. A migration tool is provided. Refer to the Program Directory for Tape Manager for z/VM V1.3 for details.

Tape Manager for z/VM V1.3 is backward compatible with Tape Manager for z/VM V1.2. If needed, customers can move back to Tape Manager for z/VM V1.2 (using the V1.2 configuration files) after installing and migrating the catalog to Tape Manager for z/VM V1.3 format. The PTF for APAR PM20382 is required on the Tape Manager for z/VM V1.2 system. Some metadata, such as the previous owner and the extended text field, may be lost.

Planning information

Packaging

Tape Manager V1.3 is delivered on one VMSES/E installable tape. A Program Directory and one copy of the License Information document is also included in the package. All other publications are provided in softcopy format on the product Web site

<http://www.ibm.com/software/stormgmt/zvm/tape/library.html>

and via the IBM Publications Center

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

Security, auditability, and control

Tape Manager for z/VM uses the security and auditability features of the host hardware and software. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services or to contact a Software Services sales specialist, visit

<http://www.ibm.com/software/sw-services/>

Ordering information

Charge metric

PID number	Charge metric	Program name
5697-J08	Value Units	Tape Manager for z/VM

VU Value Unit

VU Value Unit is the unit of measure by which this program is licensed. VU Value Unit entitlements are based on the quantity of a specific designated measurement, either users or resources, for the given program. A Proof of Entitlement (PoE) must be obtained for the appropriate number of VU Value Units required for your environment as defined by the specific program terms. The VU Value Unit entitlements are specific to the program and may not be exchanged, interchanged, or aggregated with VU Value Unit entitlements of another program. To understand these benefits of VU Value Unit licensing, and to determine how many VU Value Units to obtain for the program, contact your IBM representative.

The programs in this announcement all have Value Unit-Based pricing.

PID number	Charge metric	Program name
5697-J08	Value Units	Tape Manager for z/VM

Program number	Value Unit exhibit	Program name
5697-J08	VUE021	Tape Manager for z/VM

For each System z® IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the **required license capacity**. Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms

Value Unit exhibit VUE021

Engine-based Value Units for a specified number of engines are determined by the following table:

Level	Engines minimum	Engines maximum	Value Units per engine
Base	1	3	10
Tier A	4	6	9
Tier B	7	9	8
Tier C	10	12	7
Tier D	13	16	6
Tier E	17	20	5
Tier F	21	25	4
Tier G	26	+	3

Order VM SDO and VSE SIPO through the Internet

ShopzSeries provides an easy way to plan and order System z software upgrades. This now includes VM and VSE. Using ShopzSeries, you can quickly generate orders for VM SDOs and VSE SIPOs. Additionally, ShopzSeries will ensure your order is technically correct (that is, ensures any corequisite or prerequisite or incompatibility conditions are resolved to ensure timely order placement and processing). ShopzSeries is available in the United States and several countries in Europe. In countries where ShopzSeries is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the ShopzSeries Web site at

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

Basic license

To order, specify the program product number and the appropriate license or charge option. Also, specify the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

Program name: Tape Manager for z/VM V1.3
 Program PID: 5697-J08

Entitlement identifier	Description	License option/ Pricing metric
S011L0V	Tape Manager for z/VM	Basic OTC, per Value Unit
Orderable supply ID	Language	Distribution medium
S011L0W	English	3480 Tape

S015RR9 English 3590 Tape

Subscription and Support PID: 5697-J11

Entitlement identifier	Description	License option/ Pricing metric
S011L13	Tape Manager S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S No charge, SW S&S registration
Orderable supply ID	Language	Distribution medium
S011L14	English	Hardcopy pub

On/Off CoD

Tape Manager for z/VM is eligible for On/Off CoD with a temporary use charge calculated based on processors per-day usage.

Program name Tape Manager for z/VM v1.3
Program PID 5697-J08

Entitlement identifier	Description	License option/ Pricing metric
S011L0V	Tape Manager for z/VM	Basic OTC, Per processor-day TUC

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.

Licensing

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.

Agreement for Acquisition of Software Maintenance

The following agreement applies for Software Subscription and Support (Software Maintenance) and does not require customer signatures:

- IBM Agreement for Acquisition of Software Maintenance (Z125-6011)

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. 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.

IBM System z Operational Support Services - SupportLine is an option if you desire added services.

License Information form number

GC18-9521. The program's License Information will be available for review on the IBM Software License Agreement Web site

<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).

Program support

Enhanced support, called Subscription and Support, includes telephone assistance, as well as access to updates, releases, and versions of the program as long as support is in effect. You will be notified of discontinuance of support with 12 months' notice.

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.

Authorization for use on home/portable computer

You may not copy and use this program on another computer without paying additional license fees.

Other terms**Volume orders (IVO)**

No

IBM International Passport Advantage Agreement**Passport Advantage applies**

No

Usage restriction

Yes.

- Your entitlement is for only the quantity of engine-based Value Units licensed. These engine-based Value Units can be for either standard or IFL engines.
- When ordering Tape Manager to operate on standard engines (CPs) for a single server within the enterprise, you must specify Value Units equal to the Value Units to cover the number of standard engines (CPs) on your System z server.
- When ordering Tape Manager to operate on IFL engines for a single server within the enterprise, you must specify Value Units equal to the Value Units to cover the number of IFL engines on your System z server.
- When ordering Tape Manager to operate on standard engines (CPs) **and** IFL engines for a single server within the enterprise, you must specify Value Units equal to the Value Units to cover the total number of engines (standard plus IFL) on your System z server.

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

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

Software Subscription and Support (Software Maintenance) applies

No. For operating system software, the revised IBM Operational Support Services - SupportLine offering will provide support for those operating systems and associated products that are not available with the Software Subscription and Support (Software Maintenance) offering.

This will ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised offering, visit

<http://www.ibm.com/services/sl/products>

IBM Operational Support Services - SupportLine

No

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Yes. A 15% education allowance applies to qualified education institution customers.

Academic use allowance: Yes

On/Off Capacity on Demand (CoD)

To be eligible for On/Off CoD pricing, you must be enabled for temporary capacity on the corresponding hardware, and the required contract, Attachment for Customer Initiated Upgrade and IBM eServer™ On/Off Capacity on Demand - Software (Z125-6611) must be signed prior to use.

IBM Electronic Services

IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a Web-enabled

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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.

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To learn how Electronic Services can work for you, visit

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

Prices

Prices are subject to change without notice.

GST, QST, and sales taxes, where applicable, are extra.

For additional information and current prices, contact your local IBM representative.

To order, specify the program product number and the appropriate license or charge option. Also, specify the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

Program name: Tape Manager for z/VM V1.3
Program PID: 5697-J08

Entitlement identifier	Description	License option/ Pricing metric
S011L0V	Tape Manager for z/VM	Basic OTC, per value Unit Basic OTC, per processor-day TUC

Subscription and Support PID: 5697-J11

Entitlement identifier	Description	License option/ Pricing metric
S011L13	Tape Manager S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S No charge, SW S&S registration

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Fax: 800-2IBM-FAX (242-6329)

For IBM representative: askibm@ca.ibm.com

For IBM Business Partner: pwswna@us.ibm.com

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Reference: ME001

The Americas Call Centers, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

Note: Shipments will begin after the planned availability date.

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