



IBM Tivoli Storage Manager HSM for Windows V5.3 provides Hierarchical Storage Management for Windows file systems

Overview

IBM Tivoli® Storage Manager HSM (hierarchical storage management) for Windows™ V5.3 is a policy-based management system for migrating windows files in a way that uses storage devices economically and is transparent to the user.

Individual files, parts of Windows file systems, or complete file systems are migrated to an IBM Tivoli Storage Manager server. Migrated files appear on the local file system as they did before they were migrated, except they occupy less disk space. Migrated files can be accessed like any other file, opened and updated.

As part of the IBM TotalStorage® Open Software Family, IBM Tivoli Storage Manager HSM for Windows helps free administrators and users from manual file system pruning tasks. It is designed to defer the need to purchase additional disk storage by automatically and transparently migrating rarely accessed files to less-expensive offline or near-line storage, while the files most frequently used remain in the local file system.

Key prerequisites

Refer to the **Hardware and software requirements** section.

Planned availability dates

- September 16, 2005: Electronic general availability via Passport Advantage®
- October 14, 2005: Media general availability via Passport Advantage and AAS

At a glance

IBM Tivoli Storage Manager HSM for Windows is designed to:

- Migrate Windows files based on their file name, as well as their creation, accessed, and modified dates.
- Transparently recall files to the original host system.
- Provide cost-efficient storage capacity management, based on rule-driven migration policies.
- Use a Tivoli Storage Manager server for reliable multiple tiers of storage.
- Interoperate with Tivoli Storage Manager backup and recovery functions.

For ordering, contact:

Your IBM representative, an IBM Business Partner, or the Americas Call Centers at

800-IBM-CALL

Reference: YE001

Description

IBM Tivoli Storage Manager HSM for Windows provides space management for Windows file systems.

With a graphical user interface (GUI), IBM Tivoli Storage Manager HSM for Windows allows administrators to define migration policies. The file system can be browsed, and parts of the directory structure can be excluded or included from a migration policy. For each selection, filters can be applied to include or exclude files based on the file type (extension) and various criteria related to the age of a file (creation, modification, last access).

IBM Tivoli Storage Manager HSM for Windows supports IBM Tivoli Storage Manager as a back-end repository, and so complements the IBM Storage Management offerings.

System administrators who are struggling with growing Windows files servers will find IBM Tivoli Storage Manager HSM for Windows a welcomed relief. IT managers can build automation around business policy for file migrating, improve productivity, and decrease costs.

Product positioning

A significant portion of storage capacity consumption is due to inactive data. As overall storage costs continue to grow, IT managers are looking for more efficient ways to store this data. IBM Tivoli Storage Manager HSM for Windows is designed to control storage growth by providing methods for movement of inactive files to a hierarchy of lower-cost storage, which can result in:

- Improved application availability
- Optimized storage resource utilization
- Enhanced storage personnel productivity

IBM Tivoli Storage Manager HSM for Windows complements IBM Tivoli Storage Manager. IBM Tivoli Storage Manager HSM for Windows provides similar functionality to that of EMC Legato DiskXtender and Veritas Enterprise Vault. The benefits of IBM Tivoli Storage Manager HSM for Windows include:

- Simple installation
- Ease of use
- Policy-based, automatic migration
- Transparent recall
- Flexible definitions of migration options
- Broad choice of storage repository server platforms and device
- Straightforward and simple to administer licensing model that is designed for high growth environments

Reference information

Refer to Software Announcement 204-311, dated December 14, 2004.

Availability of national languages

IBM Tivoli Storage Manager HSM for Windows is available in English only. It is not Passthru Enabled at this time.

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business

Partner information for this announcement. A PartnerWorld ID and password are required (use IBM ID).

BP Attachment for Announcement Letter 205-209

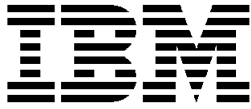
<https://www.ibm.com/partnerworld/mem/sla.jsp?num=205-209>

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Windows is a trademark of Microsoft Corporation.

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IBM US Announcement Supplemental Information

September 6, 2005

Education support

Training is available or will be available for IBM Tivoli® products. Education is offered through IBM Global Services — IT Education Services and through IBM Tivoli Software Authorized Training Providers.

For current information on IBM Tivoli software education, visit the IBM Tivoli software education Web page at

<http://www-3.ibm.com/software/tivoli/education>

Current schedule information for IBM Tivoli training is available on the IBM Tivoli software education schedules Web page at

<http://www-3.ibm.com/software/tivoli/education/schedules>

Offering Information

Product information is available via the Offering Information Web site

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

Also, visit the Passport Advantage® Web site

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

Publications

No publications are shipped with this program.

The following publication can be ordered from the IBM Publications Center on September 16, 2005.

Title	Order number
IBM Tivoli Storage Manager HSM for Windows™ Administrator's Guide Version 5.3	SC32-1773

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 50 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.

The IBM Publications Notification System (PNS) enables subscribers to set up profiles of interest by order number/product number. PNS subscribers automatically receive e-mail notifications of all new publications defined

in their profiles. These may then be ordered/downloaded from the Publications Center

<http://service5.boulder.ibm.com/pnsrege.nsf/WebMessages/welcomeENUS?OpenDocument>

The site is available in English and Canadian French.

Technical information

Specified operating environment

Hardware and software requirements

Tivoli Storage Manager HSM for Windows requires the following hardware and software:

- Machine — Pentium™ processor
- Minimum memory and space requirements
 - At least 256 MB of memory
 - 25 MB of available disk space
- Tivoli Storage Manager V5.3 or Tivoli Storage Manager Extended Edition V5.3
- Any of the following Windows versions that support NTFS V5
 - Windows 2000 Server SP3 and up
 - Windows 2000 Advanced Server SP3 and up
 - Windows 2003 Server
 - Windows 2003 Enterprise Server (32-bit)
- Tivoli Storage Manager V5.3.2 Windows backup-archive client
- Tivoli Storage Manager Windows Client API V5.3 (additional APAR IC46097 and APAR IC44824 is required, included in client level 5.3.0.13, or later)

Performance considerations: IBM Tivoli Storage Manager HSM for Windows performance will vary depending upon a customer's particular configuration, the client/server options, and customization.

Planning information

Software Maintenance, previously referred to as Subscription and Technical Support, is included in the Passport Advantage Agreement. Installation and technical support is provided by the Software Maintenance offering of the IBM International Passport Advantage Agreement. This fee service enhances customer productivity, with voice and electronic access into IBM support organizations.

Packaging

IBM Tivoli Storage Manager HSM for Windows is distributed with:

- Product CD

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: <http://www.ibm.com>.

Security, auditability, and control

IBM Tivoli Storage Manager HSM for Windows uses the security and audit features of the operating system software. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

IBM Tivoli Enhanced Value-Based Pricing

IBM Tivoli software products are priced using a managed-environment approach whereby price is determined by the amount of storage capacity under management rather than the number and type of product components installed.

This licensing model can provide the customer flexibility to deploy these software products within its environment in a manner that can address and respond to the customer's evolving architecture. That is, as the architecture of a customer's environment changes, the customer's implementation of these products can be altered, as needed, without affecting the customer's license requirements (as long as the customer does not exceed its entitlements to the software).

IBM Tivoli Enhanced Value-Based Pricing terminology definitions

Capacity — Primary HSM disk storage pool size combined with the amount of utilized HSM removable media storage pool. Storage pools are configured on the IBM Tivoli Storage Manager server.

Capacity notes:

- Capacity does not include:
 - copy storage pools for the space-managed data that reside on disk.
 - copy storage pools for the space-managed data that reside on removable media.
 - Space used on the IBM Tivoli Storage Manager server for any purpose other than the primary storage of space-managed data.
 - Disk on the host being space managed.
- A virtual tape library (VTL) is considered a removable media device and thus capacity is based on utilization.
- The minimum amount of capacity that can be purchased is 1 TB.
- Partial capacity will be rounded up to the next whole number of TB.
- Additional capacity must be added in increments of 1 TB.

Terabyte (T/TB) = 2 raised to the power of 40 bytes = 1,099,511,627,776 bytes.

Product Web site

A complete list of products and licensing documents is available at Web site

<http://www.ibm.com/software/tivoli/products>

Passport Advantage

Through the Passport Advantage Agreement, customers may receive discounted pricing based on their total

volume of eligible products, across all IBM brands, acquired worldwide. The volume is measured by determining the total "Passport Advantage points value" of the applicable acquisitions. Passport Advantage points are only used for calculating the entitled Passport Advantage discount.

To determine the required Tivoli product configuration under Passport Advantage, the Tivoli Enhanced Value-Based Pricing Model applies. The customer's environment is evaluated on a per-product basis.

Use the following two-step process to determine the total "Passport Advantage points value":

1. Analyze the customer environment to determine the number of charge units for a product. The quantity of each product's part numbers to be ordered is determined by that analysis.
2. Order the Passport Advantage part numbers. A Passport Advantage point value, which is the same worldwide for a specific part number regardless of where the order is placed, is assigned to each Tivoli product part number. The Passport Advantage point value for the applicable part number multiplied by the quantity for that part number will determine the Passport Advantage points for that Tivoli product part number. The sum of these Passport Advantage points determines the "Passport Advantage point value" of the applicable Tivoli product authorizations which then may be aggregated with the point value of other applicable Passport Advantage product acquisitions to determine the total "Passport Advantage points value".

The discounted pricing available through Passport Advantage is expressed in the form of Suggested Volume Prices (SVPs), which vary depending on the SVP level. Each SVP level is assigned a minimum total Passport Advantage point value, which must be achieved, in order to qualify for that SVP level.

Media packs and documentation packs do not carry Passport Advantage points and are not eligible for SVP discounting.

For additional information on Passport Advantage, refer to the following Web site

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

The following Passport Advantage part number categories may be orderable:

- License and Software Maintenance 12 Months — this is the product authorization with maintenance to the first anniversary date.
- Annual Software Maintenance Renewal — this is the maintenance renewal for one anniversary that applies when a customer renews their existing coverage period prior to the anniversary date at which it expires.
- Software Maintenance Reinstatement 12 months — this is for customers who have allowed their Software Maintenance to expire, and later wish to reinstate their Software Maintenance.
- Media packs — these are the physical media, such as CD-ROMs, that deliver the product's code.
- Documentation packs — these contain printed documentation such as the *User's Guide and Release Notes*.

Pricing examples

Purchase scenario 1: A customer wants to space manage 4.25 TB of files from six Microsoft™ Windows file servers. This means 4.25 TB of files will be migrated from their current location to the IBM Tivoli Storage Manager server's primary HSM storage pools. The migrated files will be replaced with references to the original file. The data in the primary HSM storage pools will be copied for off-site protection to a copy pool. The customer has designated 0.25 TB of disk for an HSM disk storage pool, 4 TB for a HSM removable media storage pool, and 6 TB of removable media for a copy storage pool.

The customer needs to purchase 5 TB of IBM Tivoli Storage Manager HSM for Windows.

HSM Disk storage pool	HSM removable media storage pool	Capacity	Required licenses
0.25 TB	4 TB	4.25 TB	5 TB of IBM Tivoli Storage Manager HSM for Windows

Purchase scenario 2 (additional capacity): A customer had purchased 5 TB of IBM Tivoli Storage Manager HSM for Windows. Over the last 12 months, the customer consumed the 5 TB of HSM capacity they purchased initially in addition to an additional 1 TB. Over the next 12 months, they expect the amount of space managed data will grow to 9 TB total. They will continue to keep the 0.25 TB for the HSM disk storage pool and thus store the remaining 8.75 TB in the removable media storage pool.

The customer should purchase an additional 4 TB of IBM Tivoli Storage Manager HSM for Windows.

HSM disk storage pool	HSM removable media storage pool	Capacity	Required licenses
0.25 TB	8.75 TB	9 TB	9 TB of IBM Tivoli Storage Manager HSM for Windows

Ordering information

Product group: Tivoli Storage Manager

- Product Identifier Description (PID)
- IBM Tivoli Storage Manager HSM for Windows — 5608-SPM

Product category: Tivoli Storage Manager HSM for Windows

New licensees

Orders for new licenses will be accepted now.

Shipment will begin on the planned availability date.

Basic license

A license for IBM Tivoli Storage Manager or IBM Tivoli Storage Manager Extended Edition is required, as well as

that for Tivoli Storage Manager HSM for Windows. Refer to Software Announcement 204-311, dated December 14, 2004, for ordering information for IBM Tivoli Storage Manager and IBM Tivoli Storage Manager Extended Edition.

Ordering information for Passport Advantage: Passport Advantage allows you to have a common anniversary date for Software Maintenance renewals, which can simplify management and budgeting for eligible new versions and releases (and related technical support) for your covered products. The anniversary date, established at the start of your Passport Advantage Agreement, will remain unchanged while your Passport Advantage Agreement remains in effect. New software purchases will initially include twelve full months of maintenance coverage. Maintenance in the second year (the first year of renewal) can be prorated to be coterminous with your common anniversary date. Thereafter, all Software Maintenance will renew at the common anniversary date and include twelve full months of maintenance.

Refer to the IBM International Passport Advantage Agreement and to the IBM Software Maintenance Handbook for specific terms relating to, and a more complete description of, technical support provided through Software Maintenance.

The quantity to be specified for the Passport Advantage part numbers in the following table is per terabyte. To order for Passport Advantage, specify the desired part number and quantity.

Description	Part number
Tivoli Storage Manager HSM Windows Terabytes LIC+SW Maint 12 MO	D55H5LL
Tivoli Storage Manager HSM Windows Terabytes Annual SW Maint RNWL	E01ZBLL
Tivoli Storage Manager HSM Windows Terabytes SW Maint Reinstate 12 MO	D55H6LL

To order a media pack for Passport Advantage, specify the part number in the desired quantity from the following table:

Description	Part number
Tivoli Storage Manager HSM Windows V5.3 Media Pack English	BJOG2ML

IBM Tivoli Storage Manager HSM for Windows is also available via Web download from Passport Advantage.

Ordering information for Tivoli Storage Manager HSM for Windows (5608-SPM) non-Passport Advantage offerings: To order a basic license, specify the program number and the feature number of the desired distribution medium. Also, specify the one-time charge feature number in the quantity desired (maximum quantity of 250).

The quantity to be specified for the features in the following table is per terabyte.

Use the following table to order the program products listed below:

Product number	Product name	Feature number	
		Qty 1	Qty 250
5608-SPM	IBM Tivoli Storage Manager HXM for Windows V5.3 Per Terabyte with 1 Yr SW Maintenance	3906	3907

Distribution medium description	Medium feature number	Language
IBM Tivoli Storage Manager HSM for Windows V5.3	5809	English

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

Extending coverage for a total of three years from 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 Tivoli Storage Manager HSM for Windows

Maintenance IASP PID 1 Year: 5608-SP2®

Description	Feature number qty 1	Feature number qty 250
Use authorizations (to be ordered in quantity): per Terabyte:		
Software Maintenance No Charge Registration	3896	3897
Software Maintenance 1 Year Renewal	3898	3899

Maintenance IASP PID 1 Year: 5608-SP1®

Description	Feature number qty 1	Feature number qty 250
Use authorizations (to be ordered in quantity): per Terabyte:		
Software Maintenance 1 Year After License	3894	3895

Maintenance IASP PID 3 Year: 5608-SP3

Description	Feature number qty 1	Feature number qty 250
Use authorizations (to be ordered in quantity): Terabyte:		
Software Maintenance 3 Year Registration	3900	3901

Maintenance IASP PID 3 Year: 5608-SP4

Description	Feature number qty 1	Feature number qty 250
Use authorizations (to be ordered in quantity): per Terabytes:		
Software Maintenance 3 Year Renewal	3902	3903

Maintenance IASP PID 3 Year: 5608-SP5

Description	Feature number qty 1	Feature number qty 250
Use authorizations (to be ordered in quantity): per Terabyte:		
Software Maintenance 3 Year After License	3904	3905

Terms and conditions

Licensing: IBM International Program License Agreement and License Information document. Proofs of Entitlement (PoE) are required for all authorized use. Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

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

The following agreement applies for maintenance and does not require customer signatures:

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

License information form number: GC23-4478

Limited warranty applies: Yes

Warranty: This program has warranty for a minimum of one year from acquisition from IBM or authorized IBM Business Partner, subject to any limitations in the License Information. The warranty provided to the customer, for at least one year from acquisition, is access to databases (read Web sites) for program information and FAQs, including any known fixes to defects, which the customer can download or obtain otherwise and install at leisure.

Program technical support: Technical support of a program product will be available for a minimum of three years from the general availability date, as long as your Software Maintenance is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Maintenance also provides you with access to updates, releases, and versions of the program. Customers will be notified, via announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

Money-back guarantee: If for any reason you are dissatisfied with the program and you are the original licensee, return it within 30 days from the invoice date, to the party (either IBM or its reseller) from whom you acquired it, for a refund. For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) 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 the customer.

Copy and use on home/portable computer: No

Volume orders (IVO): No

Passport Advantage applies

Yes and through the Passport Advantage Web site at
<http://www.ibm.com/software/passportadvantage>

Usage restriction: Yes

Usage is limited to the quantity of terabytes of managed storage licensed.

Software Maintenance applies: Yes

Software Maintenance, previously referred to as Software Subscription and Technical Support, is now included in the Passport Advantage Agreement. Installation and technical support for the products announced in this letter is provided by the Software Maintenance offering of the IBM International Passport Advantage Agreement. This fee service enhances customer productivity by providing voice and/or electronic access into the IBM support organizations.

IBM includes one year of Software Maintenance with the initial license acquisition of each program acquired. The initial period of Software Maintenance can be extended by the purchase of a renewal option.

While your Software Maintenance 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 Guide* at

<http://techsupport.services.ibm.com/guides/handbook.html>

Software Maintenance 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 additional information about the Passport Advantage Agreement, visit the Passport Advantage Web site at

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

All distributed software licenses include Software Maintenance (Software Subscription and Technical Support) 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. For additional information, refer to Changes to Distributed Software Products Model for Products Outside Passport Advantage Software Announcement 201-201, dated July 10, 2001.

Variable charges apply: No

Educational allowance available: Yes, 15% education allowance applies to qualified education institution customers.

Prices

Contact your IBM representative for prices information for this announcement.

Passport Advantage

For Passport Advantage and charges, contact your IBM representative or your authorized IBM Business Partner. Additional information is also available at

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

Order now

To order, contact the Americas Call Centers, your local IBM representative, or your IBM Business Partner.

To identify your local IBM representative or IBM Business Partner, call 800-IBM-4YOU (426-4968).

Phone: 800-IBM-CALL (426-2255)
Fax: 800-2IBM-FAX (242-6329)
Internet: ibm_direct@vnet.ibm.com
Mail: IBM Americas Call Centers
Dept: IBM CALL, 11th Floor
105 Moatfield Drive
North York, Ontario
Canada M3B 3R1

Reference: YE001

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.

Trademarks

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