



IBM Tivoli Storage Manager Entry V7.1 offers simplified pricing and licensing

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At a glance

IBM® Tivoli® Storage Manager Entry is a single product that bundles six offerings that deliver the following benefits:

- Enterprise class data protection capabilities of the Tivoli Storage Manager family
- Simplified pricing and licensing based on a per managed server charge metric

IBM Tivoli Storage Manager for z/OS® Media V7.1 and **IBM Tivoli Storage Manager Extended Edition for z/OS Media V7.1**

For more details, refer to the [Reference information](#) section.

Overview

IBM Tivoli Storage Manager Entry V7.1 delivers enterprise class data protection capabilities at a reduced price point for smaller storage environments on a per managed server charge metric. This single offering consists of the following products:

- IBM Tivoli Storage Manager V7.1
- IBM Tivoli Storage Manager for Virtual Environments V7.1
- IBM Tivoli Storage Manager for Databases V7.1
- IBM Tivoli Storage Manager for Mail V7.1
- IBM Tivoli Storage Manager for Enterprise Resource Planning V6.4.1
- IBM Tivoli Storage Manager for SAN V7.1

In addition, Tivoli Storage Manager Entry V7.1 offers data protection for storage environments with a maximum of 50 servers per enterprise, up to five of which can be hypervisor host servers, such as VMware ESX. The Entry offering supports Windows, Linux x86, and Linux on POWER platforms only.

Also available are IBM Tivoli Storage Manager for z/OS Media V7.1 and IBM Tivoli Storage Manager Extended Edition for z/OS Media V7.1

For details, refer to the [Reference information](#) section.

Key prerequisites

None

Planned availability date

- April 18, 2014 : Electronic availability
- May 16, 2014 : Physical availability

Description

Tivoli Storage Manager Entry products offer the same features and functions offered by Tivoli Storage Manager products, but at a cost-effective, simple to understand charge metric for smaller storage environments.

- Advanced support for virtual environment protection
- Online, consistent, and centralized data protection for databases, email servers, and SAP
- Support for Windows, Linux x86, and Linux on POWER platforms
- Target and source-side data deduplication
- LAN-free backup and restore that removes data transfer from the LAN, providing high-performance backup and restore while helping to minimize network traffic

Tivoli Storage Manager for z/OS Media V7.1 and **Tivoli Storage Manager Extended Edition for z/OS Media V7.1** offer entitlement to:

- Either IBM Tivoli Storage Manager V7.1 or IBM Tivoli Storage Manager Extended Edition V7.1 Servers on AIX® and Linux™ on System z®
- IBM Tivoli Storage Manager Operations Center V7.1
- IBM Tivoli Storage Manager Media Server V6.3

For more information, visit

<http://www.ibm.com/software/products/us/en/tivoli-storage-manager-family>

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

Value Unit-based pricing

Value Unit pricing for eligible IBM System z IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each System z IPLA product with Value Unit pricing has a single price per Value Unit and a conversion matrix, called Value Unit Exhibit, for converting from some designated measurement to Value Units. Most commonly, Millions of Service Units (MSUs) is the measurement designated by IBM to be converted to Value Units. Some other measurements are engines or messages. Since MSUs are the most common measurement, that measurement will be used for the remainder of this description.

Value Unit pricing offers price benefits for you. 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**. Each of the various Value Unit Exhibits stipulate that the larger your required license capacity,

the fewer Value Units per MSU you will need. Value Unit Exhibits are uniquely identified by a three digit code and referred to using the nomenclature VUExxx, where xxx is the three digit code.

Subsequent acquisitions of Value Unit priced programs offer additional price benefits. The quantity of each System z IPLA program that you have acquired is referred to as **entitled license capacity**. If you wish to grow your entitled license capacity for a System z IPLA program, the calculation to determine additional needed Value Units is based upon the number of Value Units already acquired.

For each System z IPLA program with Value Unit pricing, you should:

- Determine the required license capacity, in MSUs
- Aggregate the MSUs across the enterprise
- Convert the total MSUs to Value Units, using the applicable Value Unit Exhibit
- Multiply the price per Value Unit by the total number of Value Units to determine the total cost

To simplify conversion from the designated measurement to Value Units or vice-versa, use the Value Unit Converter Tool. For additional information or to obtain a copy of the Value Unit Converter Tool, visit the Value Unit Converter Tool website

<http://ibm.com/zseries/swprice/vuctool>

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

To determine the required license capacity for the System z IPLA program you selected, refer to the [Terms and conditions](#) section.

Reference information

For more information about the Tivoli Storage Manager V7.1 products refer to Software Announcement [AP13-0444](#), dated October 29, 2013.

For more information about IBM Tivoli Storage Manager for z/OS Media and IBM Tivoli Storage Manager Extended Edition for z/OS Media refer to Software Announcement [AP11-0361](#), dated October 11, 2011.

Program number

Program number	VRM	Program name
5725-Q58	7.1	IBM Tivoli Storage Manager Entry
5698-AAH 5698-Z07	7.1	IBM Tivoli Storage Manager for z/OS Media IBM Tivoli Storage Manager for z/OS Media Service & Support
5698-AAK 5698-Z08	7.1	IBM Tivoli Storage Manager Extended Edition for z/OS Media IBM Tivoli Storage Manager Extended Edition for z/OS Media Service & Support

Product identification number

Program PID number		SW S&S PID number
5698-AAH	IBM Tivoli Storage Manager for z/OS Media V7.1 IBM Tivoli Storage Manager for z/OS Media SW Subscription and Support registration	5698-Z07
5698-AAK	IBM Tivoli Storage Manager Extended Edition for z/OS Media V7.1 IBM Tivoli Storage Manager Extended Edition for z/OS Media SW Subscription and Support registration	5698-Z08

Publications

For **Tivoli Storage Manager Entry V7.1** or **Tivoli Storage Manager Extended Edition for z/OS Media V7.1**, the following website will direct you to the appropriate IBM Tivoli Storage Manager product documentation to use with these products.

<http://www.ibm.com/support/docview.wss?uid=swg27041477>

All documentation will be available in English and selected translations on the general availability date.

For **Tivoli Storage Manager for z/OS Media V7.1**, the following website will direct you to the appropriate IBM Tivoli Storage Manager product documentation to use with these products.

<http://www.ibm.com/support/docview.wss?uid=swg27041618>

All documentation will be available in English and selected translations on the general availability date.

Technical information

Specified operating environment

Software requirements

For information about hardware and software requirements for the products included in this announcement refer to the [Reference information](#) section of the announcement letter for this product.

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.

IBM Electronic Support

The IBM Support Portal is your gateway to technical support. This includes IBM Electronic Support tools and resources, for software and hardware, to help save time and simplify support. The Electronic Support tools can help you find answers to questions, download fixes, troubleshoot, automate data collection, submit and track problems through the Service Request online tool, and build skills. All these tools are

made available through your IBM support agreement, at no additional charge. Read about the Electronic Support portfolio of tools

<http://ibm.com/electronicssupport>

Access the IBM Support Portal

<http://ibm.com/support>

Access the online Service Request tool

<http://ibm.com/support/servicerequest>

Planning information

Packaging

IBM Tivoli Storage Manager Entry V7.1 is distributed with:

- International Program License Agreement (Z125-3301)
- License Information document
- DVD media

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Security, auditability, and control

The products in this announcement use the security and auditability 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.

Licensing metric definition and pricing example

Licensing metric definition for Tivoli Storage Manager Entry products

Managed Server

Managed Server is a unit of measure by which the Program can be licensed. A server is a physical computer that is comprised of processing units, memory, and input/output capabilities and that executes requested procedures, commands, or applications for one or more users or client devices. Where racks, blade enclosures, or other similar equipment is being employed, each separable physical device (for example, a blade or a rack-mounted device) that has the required components is considered itself a separate server. Licensee must obtain Managed Server entitlements for each server managed by the Program and the managing server.

Components

Tivoli Storage Manager (TSM)

Component	License	Details
TSM (Server)	Per server	One TSM Entry license for each TSM server
TSM (backup or archive client)	Per server	One TSM Entry license for each Linux or Microsoft Windows server protected, unless backup/archive client is

		installed with an application agent (such as TSM for Mail, TSM for Database, TSM for Enterprise Resource Planning, or TSM for Virtual Environments).
TSM for Mail	Per protected mail server	One TSM Entry license for each protected mail server
TSM for Databases	Per protected database server	One TSM Entry license for each protected database server
TSM for Enterprise Resource Planning	Per protected SAP server	One TSM Entry license for each protected SAP server
TSM for Storage Area Network	Per server	One TSM Entry license for each server that performs LAN-free operations
TSM for Virtual Environments	Per Virtual Host server	One TSM Entry license for each Virtual Host server managed

Pricing example for Tivoli Storage Manager Entry products

The following licensing rules apply to IBM Tivoli Storage Manager Entry

- A managed server for IBM Tivoli Storage Manager Entry is a server that is managed or protected by one of the components of this offering.
- Use is supported for up to 50 managed servers per enterprise, up to five of which can be virtual host servers.
- Use is supported with 100 or fewer nodes registered to TSM per enterprise. The replicated nodes do not count towards the 100 node count.
- Tivoli Storage Manager Entry is only supported on Windows™, Linux x86, and Linux on POWER® operating systems
- When using Per Managed Server licensing, entitlement for IBM Tivoli Storage Manager Entry is required for all managed servers including the managing server.
- Customers who are entitled to IBM Tivoli Storage Manager Entry are allowed to use node replication capability.

Scenario 1

The customer wants to do backup and recovery operations for all LAN-connected servers in its network. The customer environment consists of the following:

- One managing server
- Ten 4-way file servers
- Two 8-way mail servers

Entitlements required for the above environment are:

Product description	Quantity of entitlement required
IBM Tivoli Storage Manager	1
IBM Tivoli Storage Manager (B/A client)	10
IBM Tivoli Storage Manager for Mail	2
Total TSM Entry Entitlement:	13

Scenario 2

The customer wants to do backup and recovery operations for all LAN-connected servers in its network. The customer environment consists of the following:

- One 16-way managing server
- Two 16-way VMware ESX Host servers
- Six 8-way mail servers
- Six 16-way database servers

Entitlements required for the above environment are:

Product description	Quantity of entitlement required
IBM Tivoli Storage Manager	1
IBM Tivoli Storage Manager for Virtual Environments	2
IBM Tivoli Storage Manager for Mail	6
IBM Tivoli Storage Manager for Databases	6
Total TSM Entry Entitlement:	15

Scenario 3

The customer wants to do backup and recovery operations for all LAN-connected servers in its network. The customer environment consists of the following:

- One managing server
- Two VMware ESX Host servers
- Eight mail servers; four of which are running in VM hosted by 1 ESX host
- Nine database servers; two of which are running in VMs hosted by ESX host

Entitlements required for the above environment are:

Product description	Quantity of entitlement required
IBM Tivoli Storage Manager	1
IBM Tivoli Storage Manager for Virtual Environments	2
IBM Tivoli Storage Manager for Mail	8
IBM Tivoli Storage Manager for Databases	9
Total TSM Entry Entitlement:	20

Licensing metric definitions for the z/OS Media products

For the following products

- IBM Tivoli Storage Manager for z/OS Media
- IBM Tivoli Storage Manager Extended Edition for z/OS Media

Millions of Service Units (MSUs)

MSUs are defined as one million Central Processing Unit (CPU) service units per hour; the measure of capacity used to describe the computing power of the hardware processors on which S/390® or System z software runs. MSU values are determined by the hardware vendor, IBM, or Software Compatible Vendors (SCVs).

For MSU capacity by vendor and machine, go to

<http://www.ibm.com/systems/z/resources/swprice/reference/exhibits/hardware.html>

Standby or backup systems

For programs running or resident on backup machines, IBM defines three types of situations: cold, warm, and hot. In cold and warm situations, a separate entitlement for the copy on the backup machine is normally not required and typically no additional charge applies. In a hot backup situation, the customer needs to acquire other license or entitlements sufficient for that server. All programs running in backup mode must be solely under the customer's control, even if running at another enterprise's location.

As a practice, the following are definitions and allowable actions concerning the copy of the program used for backup purposes:

Cold: A copy of the program may reside, for backup purposes, on a machine as long as the program is not started. There is no additional charge for this copy.

Warm: A copy of the program may reside for backup purposes on a machine and is started, but is idling, and is not doing any work of any kind. There is no additional charge for this copy.

Hot: A copy of the program may reside for backup purposes on a machine, is started, and is doing work. The customer must acquire a license or entitlements for this copy and there will generally be an additional charge.

Doing work includes, for example, production, development, program maintenance, and testing. It also could include other activities such as mirroring of transactions, updating of files, synchronization of programs, data or other resources (for example, active linking with another machine, program, database or other resource, and so on), or any activity or configurations that would allow an active hot switch or other synchronized switch over between programs, databases, or other resources to occur.

In the case of a program or system configuration that is designed to support a high availability environment by using various techniques (for example, duplexing, mirroring of files, or transactions, maintaining a heartbeat, active linking with another machine, program, database, or other resource), the program is considered to be doing work in the hot situation and a license or entitlement must be purchased.

Value Unit

Value Unit (VU) is a unit of measure by which the program can be licensed. Value Unit entitlements are based on the number of units of a specific designated measure used or managed by the program. Licensee must obtain sufficient entitlements for the number of Value Units required for Licensee's environment for the designated measure specified in the Value Unit Exhibit (VUE) provided below. Value Unit entitlements are specific to the program and may not be exchanged, interchanged, or aggregated with Value Unit entitlements of another program.

The Value Unit Exhibit for this program is VUE007.

- From 1 to 3 MSUs, VUs per MSU = 1 VU for a maximum of 3 VUs at this level (cumulative VUs of 3)
- From 4 to 45 MSUs, VUs per MSU = 0.45 VU for a maximum of 19 VUs at this level (cumulative VUs of 22)
- From 46 to 175 MSUs, VUs per MSU = 0.36 VU for a maximum of 47 VUs at this level (cumulative VUs of 69)
- From 176 to 315 MSUs, VUs per MSU = 0.27 VU for a maximum of 38 VUs at this level (cumulative VUs of 107)

For more than 315 MSUs, VUs per MSU = 0.20 VUs

Notes:

- IBM Tivoli Storage Manager for z/OS Media V7.1 includes entitlement to Tivoli Storage Manager V7.1 as a supporting program.
- IBM Tivoli Storage Manager Extended Edition for z/OS Media V7.1 includes entitlement to Tivoli Storage Manager Extended Edition V7.1 as a supporting program.
- IBM Tivoli Storage Manager Extended Edition is required to use any of the following function: node replication (and the use of REPLICATE NODE command as a target server), disaster recovery manager, Network Data Management Protocol (NDMP), support of tape libraries (including virtual tape libraries) with more than 4 drives or more than 48 slots.
- Licensing for IBM Tivoli Storage Manager for z/OS Media is based on the MSU rating of the System z mainframe.

Pricing examples for the z/OS Media products

One 1,500 MSU System z server

All products in this example employ Value Unit slope VUE007 (VUE = Value Unit Exhibit). If the customer has installed 1,500 MSUs, the applicable number of Value Units will be:

MSUs		Value Units/MSU	Value Units
Base	3	1.00	3.00
Tier A	42	.45	18.90
Tier B	130	.36	46.80
Tier C	140	.27	37.80
Tier D	1,185	.20	237.00
Total	1,500		343.50

When calculating the total number of Value Units, the sum is rounded up to the next integer, so the customer will need to license 344 Value Units in this example.

Value Units for non-MSU-based S/390 processors:

- System Value Units/System
- MP3000 H30 6
- MP3000 H50 8
- MP3000 H70 12
- ESL models 2

Value Units for IBM 9672 processors are based upon the full capacity of these systems. This is applicable to all System z systems measured on MSU capacity. Information on MSU capacities can be found in the IBM System/370, System/390® and System z Machine Exhibit, Z125-3901, or visit the Mainframes section of the System z Exhibits website

<http://ibm.com/zseries/library/swpriceinfo/>

Ordering information

This product is only available via Passport Advantage®. It is not available as shrinkwrap.

These products may only be sold directly by IBM or by authorized IBM Business Partners for Software Value Plus.

For more information about IBM Software Value Plus, visit

http://www.ibm.com/partnerworld/page/svp_authorized_portfolio

To locate IBM Business Partners for Software Value Plus in your geography for a specific Software Value Plus portfolio, visit

<http://www.ibm.com/partnerworld/wps/bplocator/>

Product group: Tivoli Storage

Product category: Tivoli Storage Management

Product identifier description	PID number
IBM Tivoli Storage Manager Entry v7.1	5725-Q58
IBM Tivoli Storage Manager for z/OS Media v7.1	5698-AAH
IBM Tivoli Storage Manager for z/OS Media Service & Support	5698-Z07
IBM Tivoli Storage Manager Extended Edition for z/OS Media v7.1	5698-AAK
IBM Tivoli Storage Manager Extended Edition for z/OS Media Service & Support	5698-Z08

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

Program number	Program name	Value Unit exhibit
5698-AAH	IBM Tivoli Storage Manager for z/OS Media v7.1	VUE007
5698-AAK	IBM Tivoli Storage Manager Extended Edition for z/OS Media v7.1	VUE007

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
- Whether your current mainframes are full capacity or sub-capacity

Single version charging

To elect single version charging, you must notify and identify to IBM the prior program and replacement program, and the machine the programs are operating on.

New licensees

Orders for new licenses will be accepted now.

Shipment will begin on the planned availability date.

Basic license

Ordering information for Passport Advantage

Passport Advantage allows you to have a common anniversary date for Software Subscription and Support (SW S&S) 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 Software Subscription and Support (also referred to as Software Maintenance). Software Subscription and Support in the second year (the first year of renewal) can be prorated to be coterminous with your common anniversary date. Thereafter, all Software Subscription and Support (Software Maintenance) will renew at the common anniversary date for twelve full months of Software Subscription and Support (Software Maintenance).

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

Tivoli Storage Manager Entry

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

Description	Part number
IBM Tivoli Storage Manager Entry (5725-Q58)	
License and SW S&S 12 Months	D14MFLL
Annual SW S&S Renewal	E0JFRLL
SW S&S Reinstatement 12 Months	D14MGLL

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

Media pack description and entitled Maintenance offerings description	Part number
IBM Tivoli Storage Manager Entry v7.1 (5725-Q58) Multiplatform, ML Media Pack	BJ15IML

The products listed in the above tables are also available via web download from Passport Advantage.

After receipt of an order, you will be required to register for, and accept, Passport Advantage or Passport Advantage Express® terms and conditions. Upon registration, you will be provided with a website for the electronic download.

Passport Advantage allows greater flexibility to help you manage software licenses and Subscription and Support renewals. You can now have a common anniversary date for Subscription and Support renewals. The anniversary date, established at the order ship date for the initial product acquisition, will remain unchanged while your Passport Advantage or Passport Advantage Express agreement remains in effect.

Ordering information for MSU-based System z offerings:

Translation from MSUs to Value Units		
	MSUs	Value Units/MSU
Base	1-3	1.00
Tier A	4-45	.45
Tier B	46-175	.36
Tier C	176-315	.27
Tier D	316+	.20

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: IBM Tivoli Storage Manager for z/OS Media V7.1
Program PID: 5698-AAH

Entitlement Identifier	Description	License Option / Pricing Metric
S017JLF	IBM Tivoli Storage Manager for z/OS Media	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S017JLD	Multilingual	3590 Tape Cartridge, CD-ROM, and Hardcopy Pub

Subscription and Support PID: 5698-Z07

Entitlement identifier	Description	License option/ Pricing metric
S016VMJ	Tivoli Storage Manager for z/OS Media S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID	Language	Distribution medium
S016VNM	Multilingual	Hardcopy publication

Program Name: IBM Tivoli Storage Manager Extended Edition
for z/OS Media V7.1
Program PID: 5698-AAK

Entitlement Identifier	Description	License Option / Pricing Metric
S017JLJ	IBM Tivoli Storage Manager Extended Edition for z/OS Media	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S017JLH	Multilingual	3590 Tape Cartridge, CD-ROM, and Hardcopy Pub

Subscription and Support PID: 5698-Z08

Entitlement identifier	Description	License option/ Pricing metric
S016VM2	IBM Tivoli Storage Manager Extended Edition for z/OS Media S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID	Language	Distribution medium
S016VNK	Multilingual	Hardcopy publication

IPLA sub-capacity execution-based guidance

These IPLA products have execution-based sub-capacity terms. However, the Sub-Capacity Reporting Tool (SCRT) will not report the products' MSU utilization until the next SCRT release.

Here is the required license capacity Millions of Service Units (MSU) per Value Unit (VU) guidance for the interim period.

Customers with IBM Tivoli Storage Manager for z/OS Media V6 or IBM Tivoli Storage Manager Extended Edition for z/OS Media V6 licenses can acquire IBM Tivoli Storage Manager for z/OS Media V7.1 and IBM Tivoli Storage Manager Extended Edition for z/OS Media V7.1. V6 license MSUs reported via Sub-Capacity Reporting Tool (SCRT) will be used by IBM for this IPLA product family for the interim period. When the SCRT tool is updated to support these V7 products, then standard required license capacity terms will apply.

New customers acquiring IBM Tivoli Storage Manager for z/OS Media V7.1 and IBM Tivoli Storage Manager Extended Edition for z/OS Media V7.1 should make an estimate of the future required license capacity for these sub-capacity IPLA execution-based terms products. Review the capacity of the LPARS where the IBM System z IPLA program will execute, as reported on the previous month's SCRT sub-capacity report. Each LPAR's capacity can be found in the N5 Detail LPAR Data Section of the SCRT report. Upon SCRT support of these products, it will report the actual MSU utilization. This reported MSU utilization will be the required license capacity going forward.

Subscription and Support

Subscription and Support must be ordered to receive voice technical support via telephone during normal business hours, and future releases and versions, at no additional charge. The capacity of Subscription and Support (for example, Value Units or number of processors) must be the same as the capacity ordered for the product licenses.

To order, specify the Subscription and Support program product number and the appropriate license or charge option.

IBM is also providing Subscription and Support for these products, via a separately purchased offering, under the terms of the IBM International Agreement for Acquisition of Support Maintenance (IAASM). This offering:

- Includes and extends the support services provided in the base support to include technical support via telephone during normal business hours.
- Entitles customers to future releases and versions, at no additional charge. Note that the customer is not entitled to new products.

When Subscription and Support is ordered, the charges will automatically renew annually unless cancelled by the customer.

Customized Offerings

Product deliverables are shipped only via CBPDO and ServerPac. These customized offerings 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 Shopz 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 include:

- 3590

- 3592

Most products can be ordered in ServerPac the month following their availability in CBPDO. z/OS can be ordered via CBPDO and ServerPac at general availability. Many products will also be orderable in a Product ServerPac without also having to order the z/OS operating system or subsystem.

Shopz and CFSW will determine the eligibility based on product requisite checking. For more details on the product ServerPac, visit the Help section on the Shopz website at

<http://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp>

For additional information on the Product ServerPac option, refer to Software Announcement [AP12-0255](#), dated July 31, 2012.

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.

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.

This product is only available via Passport Advantage.

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. Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

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 - SoftwareXcel is an option if you desire added services.

License Information number

L-BEBY-9FZRRE - IBM Tivoli Storage Manager Entry 7.1

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).

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 (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 you.

Volume orders (IVO)

No

Passport Advantage applies

Yes, and through the Passport Advantage website at

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

Usage restriction

Yes

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

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

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 additional information about the Passport Advantage Agreement, visit the Passport Advantage website at

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

All distributed software licenses include Software Subscription and 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.

Variable charges apply

No

Educational allowance available

15% to qualified educational institution customers.

Sub-capacity terms and conditions

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
- Whether your current mainframes are full capacity or sub-capacity

For more information on the Value Unit Exhibit for the System z IPLA program you selected, refer to the [Ordering information](#) section.

Program number	Program name	Terms	Parent, if applicable
5698-AAH	IBM Tivoli Storage Manager for z/OS Media V7.1	Execution-based	N/A
5698-AAK	IBM Tivoli Storage Manager Extended Edition for z/OS Media V7.1	Execution-based	N/A

Full-capacity mainframes

In cases where full capacity is applicable, the following terms apply.

Execution based, z/OS based, full machine based: The required capacity of a System z IPLA program with these terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, visit

<http://www-1.ibm.com/servers/eserver/zseries/library/swpriceinfo/>

Reference based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the parent program.

Sub-capacity mainframes

In cases where sub-capacity is applicable, the following terms apply.

Execution based: The required capacity of a System z IPLA sub-capacity program with these terms equals the capacity of the LPARs where the System z IPLA program executes.

z/OS based: The required license capacity of a System z IPLA program with these terms equals the license capacity of z/OS on the machines where the System z IPLA program executes.

Reference based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the parent program.

Full machine based: The required license capacity of a System z IPLA program with full machine based terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, refer to *The IBM System z Machines Exhibit*, Z125-3901, or visit the Mainframes section of the System z Exhibits website

<http://ibm.com/zseries/library/swpriceinfo/>

For additional information for products with reference-based terms, System z IPLA sub-capacity programs with reference-based terms adds value to the parent program across the environment, regardless of where in the environment the System z IPLA program executes.

An environment is defined as either a single or stand-alone machine or a qualified Parallel Sysplex®. You may have one or more different environments across the enterprise. To determine the required license capacity for each System z IPLA program with referenced-based terms, each environment should be assessed separately.

When a System z IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the System z IPLA program must equal with the license capacity of the parent program across the Parallel Sysplex. Qualified Parallel Sysplex refers to one:

- Where MLC pricing is aggregated across the sysplex

Sub-capacity eligibility

To be eligible for sub-capacity charging on select System z IPLA programs, you must first implement and comply with all terms of either sub-capacity Workload License Charges (WLC) or sub-capacity Entry Workload License Charges (EWLC). To implement sub-capacity WLC or EWLC, a machine must be System z (or equivalent). On that machine:

- All instances of the OS/390® operating system must be migrated to the z/OS operating systems.
- Any licenses for the OS/390 operating system must be discontinued.
- All instances of the z/OS operating systems must be running in z/Architecture® (64-bit) mode.

For that machine, you must create and submit a Sub-Capacity Report to IBM each month. Sub-Capacity Reports must be generated using the Sub-Capacity Reporting Tool (SCRT). For additional information or to obtain a copy of SCRT, visit the System z Software Pricing website

<http://ibm.com/zseries/swprice>

You must comply with all of the terms of the WLC or EWLC offering, whichever is applicable:

- The complete terms and conditions of sub-capacity WLC are defined in the IBM Customer Agreement - Attachment for System z Workload License Charges (Z125-6516).
- The complete terms and conditions for sub-capacity EWLC are defined in the IBM Customer Agreement - Attachment for IBM System z 890 and 800 License Charges (Z125-6587).

Additionally, you must sign and comply with the terms and conditions specified in the amendment to the IPLA contract - *Amendment for IBM System z9® and System z Programs Sub-Capacity Pricing* (Z125-6929). Once the amendment is signed, the terms in the amendment replace any and all previous System z IPLA sub-capacity terms and conditions.

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.

Electronic Service Agent™ and the IBM Electronic Support web portal are dedicated to providing fast, exceptional support to IBM Systems customers. The IBM Electronic Service Agent tool is a no-additional-charge tool that proactively monitors and reports hardware events, such as system errors, performance issues, and inventory. The Electronic Service Agent tool can help you stay focused on your company's strategic business initiatives, save time, and spend less effort managing day-to-day IT maintenance issues. Servers enabled with this tool can be monitored remotely around the clock by IBM Support, all at no additional cost to you.

Now integrated into the base operating system of AIX V5.3, AIX V6.1, and AIX V7.1, Electronic Service Agent is designed to automatically and electronically report system failures and utilization issues to IBM, which can result in faster problem resolution and increased availability. System configuration and inventory information collected by the Electronic Service Agent tool also can be viewed on the secure Electronic Support web portal, and used to improve problem determination and resolution by you and the IBM support team. To access the tool main menu, simply type `smitty esa_main`, and select Configure Electronic Service Agent. In addition, ESA now includes a powerful web user interface, giving the administrator easy access to status, tool settings, problem information, and filters. For more information and documentation on how to configure and use Electronic Service Agent, refer to

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

The IBM Electronic Support portal is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. This portal enables you to gain easier access to IBM resources for assistance in resolving technical problems. The My Systems and Premium Search functions make it even easier for Electronic Service Agent tool-enabled customers to track system inventory and find pertinent fixes.

Benefits

Increased uptime: The Electronic Service Agent tool is designed to enhance the Warranty or Maintenance Agreement by providing faster hardware error reporting and uploading system information to IBM Support. This can translate to less wasted time monitoring the symptoms, diagnosing the error, and manually calling IBM Support to open a problem record. Its 24x7 monitoring and reporting mean no more dependence on human intervention or off-hours customer personnel when errors are encountered in the middle of the night.

Security: The Electronic Service Agent tool is designed to be secure in monitoring, reporting, and storing the data at IBM. The Electronic Service Agent tool securely transmits via either the Internet (HTTPS or VPN) or modem, and can be configured to communicate securely through gateways to provide you a single point of exit from your site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into your system. System inventory information is stored in a secure database, which is protected behind IBM firewalls. It is viewable only by you and IBM. Your business applications or business data is never transmitted to IBM.

More accurate reporting: Because system information and error logs are automatically uploaded to the IBM Support center in conjunction with the service request, you are not required to find and send system information, decreasing the risk of misreported or misdiagnosed errors. Once inside IBM, problem error data is run through a data knowledge management system and knowledge articles are appended to the problem record.

Customized support: Using the IBM ID entered during activation, you can view system and support information in the My Systems and Premium Search sections of the Electronic Support website at

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

My Systems provides valuable reports of installed hardware and software using information collected from the systems by Electronic Service Agent. Reports are available for any system associated with your IBM ID. Premium Search combines the function of search and the value of Electronic Service Agent information, providing advanced search of the technical support knowledgebase. Using Premium Search and the Electronic Service Agent information that has been collected from your system, you are able to see search results that apply specifically to your systems.

For more information on how to utilize the power of IBM Electronic Services, contact your IBM Systems Services Representative, or visit

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

Prices

Business Partner information

If you are an IBM Business Partner -- Distributor for Workstation Software acquiring products from IBM, you may link to Passport Advantage Online for resellers where you can obtain Business Partner pricing information. An IBM ID and password are required.

<http://www.ibm.com/partnerworld/sg/apchannounce/>

For all local charges, contact your IBM representative.

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>

<http://www.ibm.com/partnerworld/sg/apchannounce/>

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<https://www-304.ibm.com/partnerworld/wps/servlet/ContentHandler/svp>

AP distribution

Country/Region	Announced
AP IOT	
ASEAN*	Yes
India/South Asia**	Yes
Australia	Yes
People's Republic of China	Yes
Hong Kong S.A.R of the PRC	Yes
Macao S.A.R of the PRC	Yes
Taiwan	Yes
Korea	Yes
New Zealand	Yes
Japan IOT	
Japan	Yes

* Brunei Darussalam, Indonesia, Cambodia, Lao People's Democratic Republic, Malaysia, Philippines, Singapore, Thailand, and Vietnam

** Bangladesh, Bhutan, India, Sri Lanka, Maldives, Nepal, and Afghanistan

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Corrections

(Corrected on June 16, 2014)

Under the section Sub-capacity terms and conditions, after the four bullets changed z/OS-based to execution-based and 01 to N/A. In the Ordering information section, after Ordering information for MSU-based System z offerings, added the section IPLA sub-capacity execution-based guidance.