



IBM SmartCloud Virtual Storage Center Entry V5.2 and IBM SmartCloud Virtual Storage Center for Storwize Family V5.2 offer changes to pricing structure

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At a glance

IBM SmartCloud® Virtual Storage Center Entry V5.2 and IBM SmartCloud Virtual Storage Center for Storwize® Family V5.2 include the following features and benefits:

- Virtualized storage resources can help simplify management of multiple arrays under a single, common platform
- Automated management can help reduce time to provision storage resources and place workloads on the right storage for the data
- Consolidated management; manage storage resources from a web-based user interface designed to be intuitive and designed to provide instant access to the tools you need
- Advanced capacity utilization features; integrated thin provisioning and transparent volume transformation that can help change legacy "thick" volumes to more efficient "thin" volumes
- Disaster recovery and protection; replication over IP networks that is designed to be more easily configurable in existing IP infrastructures, which can serve as a lower-cost alternative to other routers and dark fibre

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: YE001).

Overview

SmartCloud Virtual Storage Center Entry V5.2 and SmartCloud Virtual Storage Center for Storwize Family V5.2 are now available with pricing for use in smaller virtualized data storage configurations.

SmartCloud Virtual Storage Center Entry V5.2 can be used in conjunction with two or fewer SAN Volume Controller (SVC) I/O groups, thereby consisting of up to four machine type 2145 hardware engines, for up to 250 TB of managed capacity.

SmartCloud Virtual Storage Center for Storwize Family V5.2 can be used in conjunction with Storwize family hardware engines providing the data storage virtualization, such as a Storwize V7000 control enclosure, with no restrictions on the quantity of I/O groups.

All of the same functions in the existing SmartCloud Virtual Storage Center V5.2 offering are available to clients ordering SmartCloud Virtual Storage Center Entry V5.2 or SmartCloud Virtual Storage Center for Storwize Family V5.2.

Key prerequisites

Refer to the [Reference information](#) section for information on SmartCloud Virtual Storage Center V5.2, which contains information about the key prerequisites. The same apply for these offerings.

Also refer to the SmartCloud Virtual Storage Center support website at

http://www.ibm.com/support/entry/myportal/product/tivoli/ibm_smartcloud_virtual_storage_center

A Solutions Assurance Review is recommended with each deployment of the SmartCloud Virtual Storage Center Entry or SmartCloud Virtual Storage Center for Storwize Family.

Planned availability date

- February 28, 2014 : Electronic availability
- April 4, 2014 : Physical availability

Description

SmartCloud Virtual Storage Center Entry V5.2 and SmartCloud Virtual Storage Center for Storwize Family V5.2 can help simplify storage management operations and achieve enhanced storage efficiency with more control over storage performance and management.

Features and benefits include the following:

- Virtualized physical storage resources for improved asset usage and consolidated management
- Performance monitoring that offers performance history as well as threshold and fault alerting designed for improved performance analysis
- Storage optimization that offers guidance for optimal configuration and enhanced usage, along with data migration recommendations through tiered storage capacity optimization tools

SmartCloud Virtual Storage Center offers both a storage virtualization platform and capabilities for storage virtualization management. It delivers the following in one licensed software product:

- The complete set of advanced functions available in the Tivoli® Storage Productivity Center
- The set of functions available with the virtualization, remote mirroring and FlashCopy® capabilities of the IBM SAN Volume Controller (SVC)
- All the capabilities of the Tivoli Storage FlashCopy Manager

Tivoli Storage Productivity Center, the management component in SmartCloud Virtual Storage Center, is designed to provide advanced infrastructure and data management capabilities. SmartCloud Virtual Storage Center enables configuration management, configuration change management, storage optimization, tiered storage capacity optimization and reporting, and policy-based management.

IBM Tivoli Storage FlashCopy Manager, the data backup and restore component in SmartCloud Virtual Storage Center, delivers fast application-aware backups and restores, leveraging advanced snapshot technologies. These capabilities are

achieved through the use of advanced snapshot technology designed to help create a higher-performance, lower-impact, application data protection solution.

SVC, IBM FlashSystem V840, and IBM Storwize V7000, the virtualization platform components in SmartCloud Virtual Storage Center, are designed to deliver storage virtualization capabilities for organizations of various sizes. It can help solve increasing storage requirements and reduce the costs to manage storage requirements that may be increasing IT budgets. With its Global Mirror (remote mirror) function, the virtualization platform is designed to provide options to help administrators balance network bandwidth requirements and recovery point objectives for applications, helping to reduce operating costs for disaster recovery solutions. It supports higher recovery point objective (RPO) times, enabling the option to use a lower bandwidth link between mirrored sites. This lower bandwidth remote mirroring uses space-efficient, FlashCopy targets as sources in remote copy relationships. It helps increase the time needed to complete a remote copy data cycle. With the ability to enable remote mirroring from one system to the other, customers can have greater flexibility in expanding environments using both Storwize V7000 and SVC in remote mirror relationships.

SmartCloud Virtual Storage Center Entry V5.2 is priced per terabyte; the license is based on the amount of capacity that is virtualized.

SmartCloud Virtual Storage Center for Storwize Family V5.2 is priced per storage device, which means that the license is based on the number of storage enclosures that are managed by the Storwize family hardware.

Software Entitlement with SmartCloud Virtual Storage Center Entry

The software products and functions entitled with licensing of the SmartCloud Virtual Storage Center Entry are no different from those entitled with licensing of the SmartCloud Virtual Storage Center . Refer to the [Reference information](#) section for information on SmartCloud Virtual Storage Center V5.2.

Software Entitlement with SmartCloud Virtual Storage Center for Storwize Family

The software products and functions entitled with licensing of the SmartCloud Virtual Storage Center for Storwize Family are no different from those entitled with licensing of the SmartCloud Virtual Storage Center . However, because of the way Storwize Family offerings are structured and priced, clarification is provided here.

For a Storwize V7000 configuration licensed with SmartCloud Virtual Storage Center for Storwize Family, after purchasing the requisite base licenses (5639-VM7) for all the Storwize V7000 enclosures internal to the system (control and expansion enclosures), licenses of the SmartCloud Virtual Storage Center for Storwize Family purchased for all internal and external enclosures managed by the Storwize V7000 system includes entitlement to the following:

- The complete set of advanced functions available in the IBM Tivoli Storage Productivity Center Storage Analytics Engine
- All the capabilities of the IBM Tivoli Storage Productivity Center
- All the capabilities of the IBM Tivoli Storage FlashCopy Manager
- All of the functions available for virtualization, remote-mirroring that are usually separately licensed for the IBM Storwize V7000

For a FlashSystem V840 configuration licensed with IBM SmartCloud Virtual Storage Center for Storwize Family, after purchasing the requisite base licenses (5639-FS7) for all the FlashSystem V840 Storage Enclosures, licenses of the IBM SmartCloud Virtual Storage Center for Storwize Family purchased for all internal and external enclosures managed by the FlashSystem V840 system includes entitlement to the following:

- The complete set of advanced functions available in the IBM Tivoli Storage Productivity Center Storage Analytics Engine
- All the capabilities of the IBM Tivoli Storage Productivity Center

- All the capabilities of the IBM Tivoli Storage FlashCopy Manager
- All of the functions available for virtualization, remote-mirroring that are usually separately licensed for FlashSystem V840

For a Storwize V5000 configuration licensed with SmartCloud Virtual Storage Center for Storwize Family, after purchasing the requisite base licenses (5639-ST7) for all the Storwize V5000 enclosures internal to the system (control and expansion enclosures), licenses of the SmartCloud Virtual Storage Center for Storwize Family purchased for all internal and external enclosures managed by the Storwize V5000 system includes entitlement to the following:

- The complete set of advanced functions available in the IBM Tivoli Storage Productivity Center Storage Analytics Engine
- All the capabilities of the IBM Tivoli Storage Productivity Center
- All the capabilities of the IBM Tivoli Storage FlashCopy Manager
- All of the functions available for virtualization, remote-mirroring, FlashCopy, and EasyTier, that are usually separately licensed feature codes for the IBM Storwize V5000

Information on which of these offering components and what releases interoperate together should be obtained from the SmartCloud Virtual Storage Center support website:

http://www.ibm.com/support/entry/myportal/product/tivoli/ibm_smartcloud_virtual_storage_center

For more information, visit

<http://www.ibm.com/software/products/us/en/vsc/>

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

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).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=214-072>

Reference information

For more information about SmartCloud Virtual Storage Center V5.2, refer to Software Announcement [213-465](#), dated October 8, 2013.

For SmartCloud Virtual Storage Center V5.1 System z® support, refer to Software Announcement [213-454](#), dated September 17, 2013.

For Tivoli Storage Productivity Center , refer to Software Announcement [213-436](#), dated October 8, 2013.

For Storwize Family Software, including SAN Volume Controller, refer to Software Announcement [213-482](#), dated October 8, 2013.

For Tivoli Storage FlashCopy Manager, refer to Software Announcement [213-447](#), dated October 29, 2013.

Program number

Program number	VRM	Program name
5725-P45	5.2	SmartCloud Virtual Storage Center Entry (for PPA)
5608-AP1	5.2	SmartCloud Virtual Storage Center Entry (for AAS)
5608-AP2		SW Subscription and Support 1-year registration
5608-AP3		SW Subscription and Support 2-year registration
5608-AP4		SW Subscription and Support 3-year registration
5608-AP5		SW Subscription and Support 4-year registration
5608-AP6		SW Subscription and Support 5-year registration
5725-P92	5.2	SmartCloud Virtual Storage Center for Storwize Family (for PPA)
5608-ACL	5.2	SmartCloud Virtual Storage Center for Storwize Family (for AAS)
5608-ACM		SW Subscription and Support 1-year registration
5608-ACN		SW Subscription and Support 2-year registration
5608-ACP		SW Subscription and Support 3-year registration
5608-ACQ		SW Subscription and Support 4-year registration
5608-ACR		SW Subscription and Support 5-year registration

Product identification number

SmartCloud Virtual Storage Center Entry V5.2

Program PID number	SW S&S PID number
5608-AP1	
- SW Subscription and Support 1-year registration	5608-AP2
- SW Subscription and Support 2-year registration	5608-AP3
- SW Subscription and Support 3-year registration	5608-AP4
- SW Subscription and Support 4-year registration	5608-AP5
- SW Subscription and Support 5-year registration	5608-AP6

SmartCloud Virtual Storage Center for Storwize Family V5.2

Program PID number	SW S&S PID number
5608-ACL	
- SW Subscription and Support 1-year registration	5608-ACM
- SW Subscription and Support 2-year registration	5608-ACN
- SW Subscription and Support 3-year registration	5608-ACP
- SW Subscription and Support 4-year registration	5608-ACQ
- SW Subscription and Support 5-year registration	5608-ACR

Publications

There are no unique publications prepared for this release of SmartCloud Virtual Storage Center . While licensed uniquely, all the function provided by the SmartCloud Virtual Storage Center is available the same way for the following products, and the applicability of the product documentation does not change.

- SmartCloud Virtual Storage Center Entry V5.2
- SmartCloud Virtual Storage Center for Storwize Family V5.2

Refer to the announcements in the [Reference information](#) section to locate the current publication information for the SmartCloud Virtual Storage Center .

The IBM Publications Center

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

The Publications Center is a worldwide central repository of IBM product publications and marketing material with a catalog of 70,000 items. Publications are available in electronic format to be viewed or downloaded free of charge.

Technical information

Specified operating environment

Hardware requirements

For information about hardware requirements for the SmartCloud Virtual Storage Center V5.2, refer to Software Announcement [213-465](#), dated October 8, 2013.

Also refer to the SmartCloud Virtual Storage Center support website

http://www.ibm.com/support/entry/myportal/product/tivoli/ibm_smartcloud_virtual_storage_center

A Solutions Assurance Review is recommended with each deployment of the SmartCloud Virtual Storage Center Entry or SmartCloud Virtual Storage Center for Storwize Family.

Software requirements

For information about software requirements for the SmartCloud Virtual Storage Center V5.2, refer to Software Announcement [213-465](#), dated October 8, 2013.

Also refer to the SmartCloud Virtual Storage Center support website

http://www.ibm.com/support/entry/myportal/product/tivoli/ibm_smartcloud_virtual_storage_center

A Solutions Assurance Review is recommended with each deployment of the SmartCloud Virtual Storage Center Entry or SmartCloud Virtual Storage Center for Storwize Family.

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

Installability

Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage® and Passport Advantage Express®. Product upgrades and technical support are provided by the Software Subscription and Support (Software Maintenance) offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software, and technical support provides voice and electronic access to IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with each program license acquired. The initial period of Software Subscription and Support (Software Maintenance) can be extended by the purchase of a renewal option, if available.

Packaging

SmartCloud Virtual Storage Center Entry V5.2 is distributed with:

- International Program License Agreement (Z125-3301)
- License Information document
- Publications (refer to the [Publications](#) section)

SmartCloud Virtual Storage Center for Storwize Family V5.2 is distributed with:

- International Program License Agreement (Z125-3301)
- License Information document
- Publications (refer to the [Publications](#) section)

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.

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/>

Licensing metric definition and pricing example

Licensing metric definitions

Tiered terabytes

Terabyte is a unit of measure by which the program can be licensed. Proofs of Entitlement are based on the number of terabytes available to the program. A terabyte is 2 to the 40th power bytes. Licensee must obtain sufficient entitlements required for Licensee's environment. The entitlements are specific to the program and may not be exchanged, interchanged, or aggregated with entitlements of another program.

In addition to the entitlements required for the program directly, licensee must obtain terabyte entitlements for this program sufficient to cover the storage managed by the program. The storage managed is the total allocated size of all volumes managed by the program as measured by the IBM System Storage® SAN Volume Controller.

Storage device

A storage device is a unit of measure by which the program is licensed. A storage device is an independently powered, channel attached device that stores data on magnetic disks or solid state drives, such as disk controllers and their respective expansion units, each constituting separate storage devices.

The licensee must obtain entitlements for every storage device which runs, uses services provided by, or otherwise accesses the program and for every storage device on which the program is installed. In addition to the entitlements required for the program directly, the licensee must obtain entitlements for this program sufficient to cover the storage devices managed by the program.

Pricing example

SmartCloud Virtual Storage Center Entry pricing example .

SmartCloud Virtual Storage Center Entry uses a terabyte (TB) pricing model. Use is supported in storage environments using less than or equal to two I/O groups for the SAN Volume Controller machine type 2145 Storage Virtualization engines, and 250 terabytes or less managed storage capacity per enterprise.

Scenario 1

The client wants to manage a storage environment with the SAN Volume Controller as the storage virtualization engine that manages the following:

- A Storwize V7000 System of eight total enclosures providing 80 TB of usable storage capacity
- An IBM XIV® System with 100 TB of usable storage capacity
- A Storwize V3700 System of three total enclosures with 20 TB of usable storage capacity

The client can operate this environment using two SVC nodes (one I/O group), sold separately, and needs SmartCloud Virtual Storage Center Entry entitlement for the total amount of usable storage capacity of 200 TB.

SmartCloud Virtual Storage Center for Storwize Family pricing example .

SmartCloud Virtual Storage Center for Storwize Family uses a storage device (also referred to as enclosure) pricing model. Use is supported in storage environments where a Storwize V7000 or Storwize V5000 hardware virtualization engine is managing the storage capacity.

Scenario 2

The client wants to manage a storage environment with Storwize V7000 as the storage virtualization engine that consists of the following:

- A clustered Storwize V7000 System of eight total enclosures (including two control enclosures) with 80 TB of usable storage capacity
- A seven-enclosure IBM XIV System with 100 TB of usable storage capacity
- A Storwize V3700 System of three total enclosures providing 20 TB of usable storage capacity

The client can operate this environment using the eight-enclosure Storwize V7000 system with required base virtualization licenses (5639-VM7) for those enclosures (sold separately), and also needs a SmartCloud Virtual Storage Center for Storwize Family license for a total of 18 enclosures of managed storage capacity.

Scenario 3

A client manages with a single-enclosure Storwize V7000, an IBM System XIV, which has six controller units and four expansion units for a total of 10 external storage devices managed based on the program's pricing metric. The customer must acquire eleven storage device entitlements for IBM SmartCloud Virtual Storage Center for Storwize Family. **Note:** The number, size, or type of drives in the controller unit or expansion unit have no bearing on the required entitlements. Controller units are not counted if they contain no drives.

Scenario 4

A client with an IBM Storwize V5000 has two control enclosures, three expansion enclosures, and manages two external storage devices for a total of seven storage devices. In addition to the five Storwize Family Software for Storwize V5000 (5639-ST7) licenses needed, the customer must acquire seven storage device entitlements for SmartCloud Virtual Storage Center for Storwize Family.

Ordering information

Product group: Tivoli Storage

Product category: Tivoli Storage Management

Product identifier description	PID number
SmartCloud Virtual Storage Center Entry V5.2 (for PPA)	5725-P45
SmartCloud Virtual Storage Center Entry V5.2 (for AAS)	5608-AP1
SmartCloud Virtual Storage Center for Storwize Family V5.2 (for PPA)	5725-P92
SmartCloud Virtual Storage Center for Storwize Family V5.2 (for AAS)	5608-ACL

Passport Advantage customer: Media pack entitlement details

Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.

Entitled maintenance offerings description	Part number
SmartCloud Virtual Storage Center Entry V5.2 Multiplatform, Multilingual DVD Media Pack	BJ151ML

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).

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
SmartCloud Virtual Storage Center Entry V5.2 (5725-P45) Per Terabyte:	
License and SW S&S 12 Months	D12Y2LL
Annual SW S&S Renewal	E0J37LL
SW S&S Reinstatement 12 Months	D12Y3LL

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

Description	Part number
SmartCloud Virtual Storage Center Entry Storwize Family V5.2 (5725-P92) Per Storage Device:	
License and SW S&S 12 Months	D13R5LL
Annual SW S&S Renewal	E0J6MLL
SW S&S Reinstatement 12 Months	D13R6LL

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
SmartCloud Virtual Storage Center Entry V5.2 (5725-P45) Multiplatform, Multilingual DVD Media Pack	BJ151ML

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.

To order a basic license, specify the program number and the one-time charge feature number in the quantity desired (maximum quantity of 250).

The program is available via electronic download only. Physical media can be ordered via Passport Advantage once entitled.

Ordering information for SmartCloud Virtual Storage Center Entry V5.2 for AAS

The quantity to be specified for the feature numbers in the following tables is per terabyte.

Product number	Product name	Feature number
5608-AP1	SmartCloud Virtual Storage Center Entry V5.2 (AAS)	
	Per Terabyte with 1 Year SW S&S	0001

Software Subscription and Support (SW S&S)

This software license includes SW S&S, also referred to as Software Maintenance, for a period of 12 months from the date of acquisition. Extending coverage from two to five years from date of acquisition may be elected.

To order, specify the SW S&S program number and the desired registration feature number. With the exception of SW S&S 1 Year No Charge Registration, a one-time charge applies.

SmartCloud Virtual Storage Center Entry SW S&S Registration

SW S&S PID 1 Year: 5608-AP2

Description	Feature number
Per Terabyte SW S&S 1 Year No Charge Registration	0001

SW S&S PID 2 Year: 5608-AP3

Description	Feature number
Per Terabyte SW S&S 2 Year Registration	0001

SW S&S PID 3 Year: 5608-AP4

Description	Feature number
Per Terabyte SW S&S 3 Year Registration	0001

SW S&S PID 4 Year: 5608-AP5

Description	Feature number
Per Terabyte SW S&S 4 Year Registration	0001

SW S&S PID 5 Year: 5608-AP6

Description	Feature number
Per Terabyte SW S&S 5 Year Registration	0001

Ordering information for SmartCloud Virtual Storage Center for Storwize Family for AAS

The quantity to be specified for the feature numbers in the following tables is per Storage Device.

Product number	Product name	Feature number
5608-ACL	SmartCloud Virtual Storage Center for Storwize Family	
	Per Storage Device with 1 Year SW S&S	0001
	Per 250 Storage Device with 1 Year SW S&S	0002

Software Subscription and Support (SW S&S)

This software license includes SW S&S, also referred to as Software Maintenance, for a period of 12 months from the date of acquisition. Extending coverage from two to five years from date of acquisition may be elected.

To order, specify the SW S&S program number and the desired registration feature number. With the exception of SW S&S 1 Year No Charge Registration, a one-time charge applies.

SmartCloud Virtual Storage Center for Storwize Family SW S&S Registration

SW S&S PID 1 Year: 5608-ACM

Description	Feature number
SW S&S 1 Year No Charge Registration	
Per Storage Device	0001
Per 250 Storage Device	0002

SW S&S PID 2 Year: 5608-ACN

Description	Feature number
SW S&S 2 Year Registration	
Per Storage Device	0001
Per 250 Storage Device	0002

SW S&S PID 3 Year: 5608-ACP

Description	Feature number
SW S&S 3 Year Registration	
Per Storage Device	0001
Per 250 Storage Device	0002

SW S&S PID 4 Year: 5608-ACQ

Description	Feature number
SW S&S 4 Year Registration	
Per Storage Device	0001
Per 250 Storage Device	0002

SW S&S PID 5 Year: 5608-ACR

Description	Feature number
SW S&S 5 Year Registration	
Per Storage Device	0001
Per 250 Storage Device	0002

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, terabytes) 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. This offering:

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

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

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. 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 Subscription and Support (also referred to as Software Maintenance).

Agreement for Acquisition of Software Maintenance

When a customer orders a license to the program other than via Passport Advantage, the IBM Agreement for Acquisition of Software Maintenance (Z125-6011) applies for Subscription and Support (also referred to as Software Maintenance) and does not require customer signatures.

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

License Information number

SmartCloud Virtual Storage Center Entry V5.2
(for PPA) 5725-P45 LI number: L-KKEY-9CLLYF
(for AAS) 5608-AP1 LI number: L-KKEY-9CLLYF

SmartCloud Virtual Storage Center for Storwize Family V5.2
(for PPA) 5725-P92 LI number: L-KKEY-9EGV9X
(for AAS) 5608-ACL LI number: L-KKEY-9EGV9X

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 technical support

Technical support of a program product version or release will be available for a minimum of five years from the general availability date, as long as your Software Subscription and Support (also referred to as 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 Subscription and Support (Software Maintenance) also provides you with access to updates

(modifications or fixes), releases, and versions of the program. You 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, 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

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Yes, and through the Passport Advantage website at

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Usage restriction

Yes

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Corrections

(Corrected on October 9, 2014)

In Overview, Description, and Reference information sections, added information about IBM FlashSystem products.