



IBM Tivoli Storage Productivity Center V4.2 distributed products deliver exciting enhancements to help monitor, report, and manage storage environments

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At a glance

IBM® Tivoli® Storage Productivity Center V4.2 products' enhancements:

- Storage Resource Agent - now supports file level and database level storage resource management (SRM) reporting for a broad set of platforms
- IBM XIV® Storage System support updated - adds discovery, provisioning, and performance management support
- Storage Area Network (SAN) configuration planning - now includes best practice provisioning of replication relationships and supports basic provisioning of non-IBM storage systems
- Open HyperSwap™ for the IBM AIX® environment - delivers application failover (no disruption of application I/O) across a synchronous mirror distance

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

Reference: YE001

Overview

IBM Tivoli Storage Productivity Center V4.2 is a feature-rich storage management software suite. The integrated suite provides detailed monitoring, reporting, and management within a single console. The IBM Tivoli Storage Productivity Center V4.2 distributed products consist of:

- IBM Tivoli Storage Productivity Center Basic Edition - Provides the foundation for IBM storage management applications and is also offered preinstalled on the IBM System Storage™ Productivity Center (2805-MC4).
- IBM Tivoli Storage Productivity Center For Disk - Helps monitor and report on performance of storage devices across a broad set of heterogeneous storage devices.
- IBM Tivoli Storage Productivity Center for Disk Midrange Edition - Helps monitor and report on performance of storage devices for IBM entry-level and midrange fibre channel attached devices.
- IBM Tivoli Storage Productivity Center For Data - Helps monitor and report on capacity information for host volumes and applications, including detailed file scans of supported file systems and applications.

- IBM Tivoli Storage Productivity Center Standard Edition - Helps provide comprehensive end-to-end storage management, including the capabilities available in Tivoli Storage Productivity Center for Disk, Tivoli Storage Productivity Center for Data, fabric performance, advanced analytics for storage provisioning, change management, and performance optimization.
- IBM Tivoli Storage Productivity Center For Replication - Helps configure, manage, and monitor copy services relationships for supported IBM storage devices.

Key prerequisites

Refer to the [Technical information](#) section.

Planned availability date

- August 20, 2010: Electronic
- September 3, 2010: Media

Description

The IBM Tivoli Storage Productivity Center V4.2 suite of distributed products delivers improved ease-of-use, new customization capabilities, integrated disaster recovery management, and problem determination tools to more efficiently help manage medium to large-scale storage environments. These products help simplify day-to-day operations, reduce management complexities, and improve system availability.

Key enhancements for Tivoli Storage Productivity Center Basic Edition V4.2, Tivoli Storage Productivity Center Standard Edition V4.2, Tivoli Storage Productivity Center for Data V4.2, Tivoli Storage Productivity Center for Disk V4.2, and Tivoli Storage Productivity Center for Disk Midrange Edition V4.2

New Configure Devices wizard helps deliver quicker time to value

Initial configuration tasks are simplified with a single wizard. The Configure Devices wizard helps accelerate the addition of storage subsystems, tape libraries, fabrics, switches, and computers to Tivoli Storage Productivity Center V4.2 products. Data collection schedules and alerting definitions are part of the Configure Devices wizard.

Improved device interaction delivers greater scalability and performance

IBM System Storage DS8000™, IBM SAN Volume Controller, and IBM XIV Storage System storage devices can now communicate using the storage devices native application programming interfaces (APIs). This helps improve scalability and stability in these environments. These storage device interfaces can help significantly improve the performance of Tivoli Storage Productivity Center V4.2 products when they communicate with these storage devices and deliver increased operational efficiencies and infrastructure stability.

Enriched problem determination

Administrators are presented with more concise and descriptive messages. When necessary, step-by-step instructions on resolving error conditions will also appear. Enhancements include:

- Clarified error messaging
- Enhanced error tracing and logging
- Comprehensive error documentation
- Unified error and message formatting
- Time stamping that correlates to operating system display

- User error detection scenarios with recommended fixaction
- Evaluation of key scenarios for adding and configuring devices with possible failure conditions identified and the appropriate messages displayed

Expanded storage agent technology

The storage resource agent technology, introduced in V4.1, is expanded to offer file level and database level storage resource management (SRM) reporting. In addition, storage agent support is expanded to Solaris and HP-UX platforms.

Key enhancements for Tivoli Storage Productivity Center Standard Edition V4.2

SAN Configuration Planner updates

The SAN Configuration Planner now includes support for IBM System Storage SAN Volume Controller. (Previously, this support was only provided for the IBM System Storage DS8000 product series.) Storage administrators can provision storage in a wizard-driven approach with recommendations based on the storage system's past performance.

Via integration with Tivoli Storage Productivity Center for Replication V4.2, the SAN Configuration Planner can now integrate copy services information and best practices. Intuitively, the SAN Configuration Planner can help administrators create a template with best practice parameters. User created customizable templates can be used to update existing configurations or when future storage is provisioned.

In addition, the SAN Configuration Planner helps identify target logical unit numbers (LUNs) that help meet criteria such as RAID level and available capacity. The SAN Configuration Planner can support heterogeneous devices in addition to IBM System Storage DS8000 and IBM System Storage SAN Volume Controller.

Key enhancements for Tivoli Storage Productivity Center for Replication V4.2

Session reporting

Session reporting is enhanced to provide master information such as master and subordinate topology, consistency group success, and failure reports. This information can help speed problem resolution issues related to sessions, hardware configuration, and hardware failure issues.

Customizable port pairings

You can now specify a Comma Separated Values (CSV) file when assigning port pairings for Metro Mirror and Global Copy logical paths. Using this new method to assign port pairs helps makes it less likely to impact performance caused by applications and replication traffic using the same port. In addition, it helps simplify the control over disaster recovery operations and reduce potential outages due to mismatched port pairings.

Soft removal of copy sets

Tivoli Storage Productivity Center for Replication V4.2 delivers new capabilities to remove copy sets from a Tivoli Storage Productivity Center for Replication session while leaving the hardware relationships on the storage systems. This conveniently includes all currently supported Tivoli Storage Productivity Center for Replication hardware types and session types while allowing the hardware relationships to remain intact. This helps IT managers maintain the integrity of the relationship for the purpose of migrating between session types, Tivoli Storage Productivity Center for Replication servers, or other copy services management servers.

Open HyperSwap

Open HyperSwap is a new function within the Tivoli Storage Productivity Center for Replication V4.2 products. Open HyperSwap (comparable to HyperSwap for System

z®) helps improve the continuous availability attributes of open system servers (IBM AIX) by managing a set of planned and unplanned disk system outages for Metro Mirror peer-to-peer remote copy (PPRC) capable disk systems.

Incremental FlashCopy® support for IBM System Storage SAN Volume Controller

Tivoli Storage Productivity Center for Replication V4.2 continues to evolve and expand capabilities by adding new support that allows an "incremental option" to be set for all IBM System Storage SAN Volume Controller sessions that use FlashCopy or Metro Mirror and Global Mirror with practice sessions. When selected, the incremental option significantly helps reduce the amount of time it takes to perform a copy operation by only performing incremental updates from the source to the target copy set. This simple, powerful feature gives back operational cycles that can enable businesses to focus on additional mission-critical strategies.

IBM System Storage DS8000 multiple Global Mirror support

Tivoli Storage Productivity Center for Replication V4.2 supports the enhancement to IBM System Storage DS8000 storage systems that allows you to create multiple Global Mirror sessions on the same storage system. This enhancement removes the previous restriction of one Global Mirror session per IBM System Storage DS8000 storage system. Using multiple Global Mirror sessions, you can use the same IBM System Storage DS8000 storage system to handle the asynchronous replication needs for different applications, each of which may have different replication requirements.

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

Product positioning

The Tivoli Storage Productivity Center V4.2 suite of distributed products helps manage the SAN, storage devices, and host resources, including databases and file systems, through a single control point. It provides a progression from basic storage management with Tivoli Storage Productivity Center Basic Edition V4.2 to a comprehensive solution for enterprise storage resource management with Tivoli Storage Productivity Center Standard Edition V4.2. In between these capabilities, if you wish to use Tivoli Storage Productivity Center V4.2 products primarily to help manage the performance or replication of your storage systems, you can acquire a license specifically for those functions.

IBM Tivoli Storage Productivity Center Basic Edition V4.2

Tivoli Storage Productivity Center Basic Edition V4.2 is designed to provide storage management for SAN-attached storage devices and the networks to which they are connected. It helps monitor device asset information, connectivity, capacity data, and health and status monitoring for the supported devices. If you have a license for Tivoli Storage Productivity Center Basic Edition installed, you can upgrade to advanced features via the simple procedure of installing a license file on the console where the software is running.

IBM Tivoli Storage Productivity Center for Data V4.2

Tivoli Storage Productivity Center for Data V4.2 is designed to provide file-level capacity management for servers connected to a SAN infrastructure. It can help the administrator to create detailed reports on storage availability and utilization by server, operating system, user, and database application. Policy-based alerts can be configured to notify the administrator when the utilization of a selected volume exceeds a predefined threshold, and integration with IBM Tivoli Storage Manager

helps the administrator to reclaim space on the volume by deleting unneeded data or selecting it for archive.

IBM Tivoli Storage Productivity Center for Disk V4.2

Tivoli Storage Productivity Center for Disk V4.2 helps simplify the complexity of managing multiple SAN-attached storage devices. It is designed to provide storage device configuration and management from a single console. Tivoli Storage Productivity Center for Disk V4.2 includes performance capabilities to help monitor and manage performance and measure service levels by storing received performance statistics into database tables for later use. Policy-based automation enables event action based on customer policies. It sets performance thresholds for the devices based on selected performance metrics, generating alerts when those thresholds are exceeded.

IBM Tivoli Storage Productivity Center for Disk Midrange Edition V4.2

Tivoli Storage Productivity Center for Disk Midrange Edition V4.2 delivers the same capabilities that are offered by Tivoli Storage Productivity Center Basic Edition and, in addition, performance reporting for IBM entry level and midrange storage devices. It supports IBM System Storage DS3000, DS4000™, and DS5000 series storage devices and IBM System Storage SAN Volume Controller.

Tivoli Storage Productivity Center for Disk Midrange Edition V4.2 is set apart from Tivoli Storage Productivity Center for Disk V4.2 because it is:

- Designed to support IBM entry level and midrange storage disk products (DS3000, DS4000, DS5000).
- Licensed per storage device, such as disk controllers and their respective expansion units.

IBM Tivoli Storage Productivity Center for Replication V4.2

Tivoli Storage Productivity Center for Replication V4.2 is designed to support hundreds of replication sessions across thousands of volumes, supporting both open and z/OS® attached volumes. In addition, it helps monitor performance of all copy session types and reports on the amount of data exposed at the disaster recovery site (not in synchronization with the source site).

IBM Tivoli Storage Productivity Center for Replication Three Site BC V4.2

Tivoli Storage Productivity Center for Replication V4.2 is a prerequisite for Tivoli Storage Productivity Center for Replication Three Site BC V4.2. Tivoli Storage Productivity Center for Replication Three Site BC V4.2 optionally provides three-site recovery management, supporting the IBM System Storage DS8000 Metro Global Mirror feature. Tivoli Storage Productivity Center for Replication Three Site BC V4.2 is designed to support fast failover and failback, fast reestablishment of three-site mirroring, data currency at the remote site with minimal lag behind the local site, and quick resynchronization of mirrored sites using incremental changes only.

IBM Tivoli Storage Productivity Center Standard Edition V4.2

Tivoli Storage Productivity Center Standard Edition V4.2 is designed to provide over 400 enterprise-wide reports, monitoring and alerts, policy-based action, and file-system capacity automation in a heterogeneous environment. You can address the challenges of an on demand environment with customizable storage-management policies that are designed to help manage key aspects of the storage infrastructure including capacity, assets, events, and availability. It provides a suite of tools to help enterprises identify, evaluate, control, and predict storage usage and growth. Tivoli Storage Productivity Center Standard Edition V4.2 offers active, policy-based management for an automated, self-healing approach to storage resource management.

Reference information

For information on IBM Tivoli Storage Productivity Center for Replication for System z V4.2, refer to Software Announcement [210-240](#), dated August 17, 2010.

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=210-239>

Program number

| Program number | VRM | Program name |
|----------------|-----|--|
| 5608-WB1 | 4.2 | IBM Tivoli Storage Productivity Center Basic Edition |
| 5608-WB2 | 4.2 | IBM Tivoli Storage Productivity Center for Replication |
| 5608-WB3 | 4.2 | IBM Tivoli Storage Productivity Center for Replication Three Site BC |
| 5608-WC0 | 4.2 | IBM Tivoli Storage Productivity Center Standard Edition |
| 5608-WC3 | 4.2 | IBM Tivoli Storage Productivity Center for Data |
| 5608-WC4 | 4.2 | IBM Tivoli Storage Productivity Center for Disk |
| 5608-E14 | 4.2 | IBM Tivoli Storage Productivity Center for Disk Midrange Edition |
| 5725-A01 | 4.2 | IBM Tivoli Storage Productivity Center for Disk Midrange Edition (for Passport Advantage®) |

Product identification number

| Program PID number | SW Subscription and Support 1 year PID Registration (Reg) | SW Subscription and Support 1 year After License (AL) PID |
|--------------------|---|---|
| 5608-WB1 | 5608-R61 | 5608-R62 |
| | SW Subscription and Support 2 year Reg PID number | |
| | 5608-R36 | |
| | SW Subscription and Support 3 year Reg PID number | SW Subscription and Support 3 year Renewal (Ren) PID number |
| | 5608-R63 | 5608-R64 |
| | SW Subscription and Support 3 year AL PID number | |
| | 5608-R65 | |
| | SW Subscription and Support 4 year Reg PID number | |
| | 5608-R37 | |
| | SW Subscription and Support | |

| | | |
|--------------------|--|--|
| | 5 year Reg PID number | |
| | 5608-R38 | |
| Program PID number | SW Subscription and Support 1 year PID Reg number | SW Subscription and Support 1 year AL PID number |
| 5608-WB2 | 5608-R66 | 5608-R67 |
| | SW Subscription and Support 2 year Reg PID number | |
| | 5608-R39 | |
| | SW Subscription and Support 3 year Reg PID number | SW Subscription and Support 3 year Ren PID number |
| | 5608-R68 | 5608-R69 |
| | SW Subscription and Support 3 year AL PID number | |
| | 5608-R70 | |
| | SW Subscription and Support 4 year Reg PID number | |
| | 5608-R40 | |
| | SW Subscription and Support 5 year Reg PID number | |
| | 5608-R41 | |
| Program PID number | SW Subscription and Support 1 year PID Reg number | SW Subscription and Support 1 year AL PID number |
| 5608-WB3 | 5608-R71 | 5608-R72 |
| | SW Subscription and Support 2 year Reg PID number | |
| | 5608-R42 | |
| | SW Subscription and Support 3 year Reg PID number | SW Subscription and Support 3 year Ren PID number |
| | 5608-R73 | 5608-R74 |
| | SW Subscription and Support 3 year AL PID number | |
| | 5608-R75 | |
| | SW Subscription and Support 4 year Reg PID number | |
| | 5608-R43 | |
| | SW Subscription and Support 5 year Reg PID number | |

| | | |
|--------------------|---|--|
| | 5608-R44 | |
| Program PID number | SW Subscription and Support 1 year PID Reg number | SW Subscription and Support 1 year AL PID number |
| 5608-WC0 | 5608-R51 | 5608-R52 |
| | SW Subscription and Support 2 year Reg PID number ----- 5608-R45 | |
| | SW Subscription and Support 3 year Reg PID number | SW Subscription and Support 3 year Ren PID number |
| | 5608-R53 | 5608-R54 |
| | SW Subscription and Support 3 year AL PID number | |
| | 5608-R55 | |
| | SW Subscription and Support 4 year Reg PID number | |
| | 5608-R46 | |
| | SW Subscription and Support 5 year Reg PID number | |
| | 5608-R47 | |
| Program PID number | SW Subscription and Support 1 year PID Reg number | SW Subscription and Support 1 year AL PID number |
| 5608-WC3 | 5608-R81 | 5608-R82 |
| | SW Subscription and Support 2 year Reg PID number | |
| | 5608-R33 | |
| | SW Subscription and Support 3 year Reg PID number | SW Subscription and Support 3 year Ren PID number |
| | 5608-R83 | 5608-R84 |
| | SW Subscription and Support 3 year AL PID number | |
| | 5608-R85 | |
| | SW Subscription and Support 4 year Reg PID number | |
| | 5608-R34 | |
| | SW Subscription and Support 5 year Reg PID number | |
| | 5608-R35 | |

| | | |
|--------------------|--|--|
| Program PID number | SW Subscription and Support 1 year PID Reg number | SW Subscription and Support 1 year AL PID number |
| 5608-WC4 | 5608-R56 | 5608-R57 |
| | SW Subscription and Support 2 year Reg PID number | |
| | 5608-R48 | |
| | SW Subscription and Support 3 year Reg PID number | SW Subscription and Support 3 year Ren PID number |
| | 5608-R58 | 5608-R59 |
| | SW Subscription and Support 3 year AL PID number | |
| | 5608-R60 | |
| | SW Subscription and Support 4 year Reg PID number | |
| | 5608-R49 | |
| | SW Subscription and Support 5 year Reg PID number | |
| | 5608-R50 | |
| Program PID number | SW Subscription and Support 1 year PID reg number | SW Subscription and Support 1 year AL PID number |
| 5608-E14 | 5608-R86 | 5608-R87 |
| | SW Subscription and Support 2 year Reg PID number | |
| | 5608-R90 | |
| | SW Subscription and Support 3 year Reg PID number | SW Subscription and Support 3 year Ren PID number |
| | 5608-R93 | 5608-R88 |
| | SW Subscription and Support 3 year AL PID number | |
| | 5608-R89 | |
| | SW Subscription and Support 4 year Reg PID number | |
| | 5608-R91 | |
| | SW Subscription and Support 5 year Reg PID number | |
| | 5608-R92 | |

Education support

Comprehensive education for IBM Tivoli products is offered through Worldwide Tivoli Education Delivery Services. A wide range of training options are available, including classes led by instructors, learning on demand, on-site training, and blended learning solutions.

For additional information, visit

<http://www-306.ibm.com/software/tivoli/education/>

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

The following DVDs are delivered with the basic machine-readable material:

- IBM Tivoli Storage Productivity Center Basic Edition V4.2 Quick Start Guide
- IBM Tivoli Storage Productivity Center for Data V4.2 Quick Start Guide
- IBM Tivoli Storage Productivity Center Standard Edition V4.2 Quick Start Guide
- IBM Tivoli Storage Productivity Center for Disk V4.2 Quick Start Guide
- IBM Tivoli Storage Productivity Center for Disk Midrange Edition V4.2 Quick Start Guide

The publications listed below are available in English and can be downloaded from the following Web site on the general availability date. Translated copies in selected languages will be available for download within 60 days of the general availability date.

<http://publib.boulder.ibm.com/infocenter/tivihelp/v4r1/index.jsp>

| Title | Order number |
|---|--------------|
| IBM Tivoli Storage Productivity Center/Tivoli Storage Productivity Center for Replication V4.2 Installation and Configuration Guide | SC27-2337 |
| IBM Tivoli Storage Productivity Center V4.2 User's Guide | SC27-2338 |
| IBM Tivoli Storage Productivity Center V4.2 Command-Line Interface Reference | SC27-2339 |
| IBM Tivoli Storage Productivity Center V4.2 Messages Guide | SC27-2340 |
| IBM Tivoli Storage Productivity Center V4.2 User's Guide | SC27-2341 |
| IBM Tivoli Storage Productivity Center V4.2 Problem Determination Guide | GC27-2342 |
| IBM Tivoli Storage Productivity Center V4.2 Information Center | SC27-2343 |
| IBM Tivoli Storage Productivity Center for Replication V4.2 Problem Determination Guide | GC27-2320 |
| IBM Tivoli Storage Productivity Center for Replication V4.2 User's Guide | SC27-2322 |
| IBM Tivoli Storage Productivity Center for Replication V4.2 Command-Line Interface User's | SC27-2323 |

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

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

Technical information

Specified operating environment

Software requirements

Hardware and software requirements for Tivoli Storage Productivity Center V4.2 distributed products

For the most up-to-date information on hardware and software requirements, refer to

<http://www.ibm.com/storage/software/index.html>

Links to individual product information sites are located at this site.

Hardware and software requirements are the same for Tivoli Storage Productivity Center Basic Edition V4.2, Tivoli Storage Productivity Center for Replication V4.2, Tivoli Storage Productivity Center for Replication Three Site BC V4.2, Tivoli Storage Productivity Center Standard Edition V4.2, Tivoli Storage Productivity Center for Disk V4.2, and Tivoli Storage Productivity Center for Disk Midrange Edition V4.2, and Tivoli Storage Productivity Center for Data V4.2.

This minimum recommended hardware configuration for IBM Tivoli Storage Productivity Center V4.2 distributed products is based on the following guidelines and assumptions:

1. Required CIM Agents for IBM Enterprise Storage Server® (ESS), IBM System Storage DS6000™ product family, IBM System Storage DS4000 product family, managed hosts, and other agents associated with the storage configuration are installed on their respective separate servers and controllers (other than that for the active Tivoli Storage Productivity Center V4.2 product code). For current details on any specific vendor's device support of Storage Management Initiative - Specification (SMI-S), refer to the Storage Networking Industry Association (SNIA) Web site
<http://www.snia.org/ctp/>
2. 32-bit Windows® operating systems must be configured with physical address extension (PAE) enabled in order to use the required 8 GB of memory.
3. Requires IBM System Storage DS8000 product families to be at V2.1, or later and IBM System Storage SAN Volume Controller (SVC) to be at V4.2.1, or later.

Note: Review of configuration requirements, based on your specific installation and growth requirements, is recommended prior to ordering. For configuration sizing guidance and information, contact your IBM representative or IBM Business Partner.

In addition, refer to IBM publications listed in the [Publications](#) section.

Server and GUI client

For Windows and Linux® on Intel®:

- Machine: Dual Intel class P4/Xeon 3.2 GHz processors

- Minimum memory: 8 GB of RAM
- Disk space: 80 GB
- Operating systems - one of the following:
 - Windows 2003 Standard Edition (32 bit) or (64 bit - compatibility mode)
 - Windows 2003 Enterprise Edition (32 bit) or (64 bit - compatibility mode)
 - Windows 2008 (all editions) (32 bit or 64 bit)
 - When using DB2® V9.1 as the repository
 - RHEL Advanced Server 4 (32 bit)
 - RHEL Advanced Server 5 (32 bit)
 - When using DB2 V9.5 or V9.7 as the repository
 - RHEL Advanced Server 4 (64 bit - compatibility mode)
 - RHEL Advanced Server 5 (64 bit - compatibility mode)

For AIX on System i® and System p®:

- Machine: Dual POWER4™ or POWER5™ processor
- Minimum space requirement to run:
 - 8 GB of RAM
 - Approximately 80 GB of hard disk space
- Operating system:
 - AIX V5.3 (32 bit)
 - AIX V5.3 (64 bit - compatibility mode)
 - AIX V6.1

Supported Relational Database Management Systems (RDBMSs) for the Enterprise Repository:

- DB2 UDB V9.1 Fix Pack 2, or later Fix Packs
- DB2 UDB V9.5 Fix Pack 3a, or later Fix Packs
- DB2 UDB V9.7 base version (Fix Packs 1 and 2 are not supported.)

Data agent and fabric agent

With Tivoli Storage Productivity Center V4.2, function previously provided in the data agent and fabric agent is now provided with the storage resource agent. As a result, Tivoli Storage Productivity Center V4.2 distributed products will no longer install the data agent or fabric agent but will continue to support existing data agents or fabric agents configured to the Tivoli Storage Productivity Center V4.2 server. After moving to Tivoli Storage Productivity Center V4.2, existing data agents or fabric agents can be optionally migrated to a storage resource agent.

Storage resource agent

For Windows and Linux on Intel:

- Machine: Pentium® 400 MHz processor, or above
- Minimum memory and space requirements to run:
 - 256 MB of RAM
 - Approximately 100 MB of hard disk space
- Operating systems - one of the following:
 - Windows 2003 Standard Edition (32 bit) and R2
 - Windows 2003 Standard Edition (64 bit) and R2 - (compatibility mode)
 - Windows 2003 Enterprise Edition (32 bit) and R2
 - Windows 2003 Enterprise Edition (64 bit) and R2 - (compatibility mode)

- Windows 2008 (all editions) (32 bit)
- Windows 2008 (all editions) (64 bit - compatibility mode)
- RHEL Advanced Server 4.0 (32 bit) or (64 bit - compatibility mode)
- RHEL Enterprise Server 4.0 (32 bit) or (64 bit - compatibility mode)
- RHEL Advanced Server 5.0 (32 bit) or (64 bit - compatibility mode)
- RHEL Enterprise 5.0 (32 bit) or (64 bit - compatibility mode)
- SUSE Linux Enterprise Server 9 (32 bit) or (64 bit - compatibility mode)
- SUSE Linux Enterprise Server 10 (32 bit) or (64 bit - compatibility mode)

For UNIX®:

- Machine: Minimum 400 MHz processor
- Minimum space requirement to run:
 - 256 MB of RAM
 - Approximately 100 MB of hard disk space
- Operating systems - one of the following:
 - HP-UX 11iv3 (64 bit - compatibility mode)
 - Solaris 9 (32 bit)
 - Solaris 10 (32 bit) or (64 bit - compatibility mode)

For System i and System p:

- Machine: Minimum 400 MHz processor
- Minimum space requirement to run:
 - 256 MB of RAM
 - Approximately 100 MB of hard disk space
- Operating systems - one of the following:
 - AIX V5.3 (32 bit) or (64 bit - compatibility mode)
 - AIX V6.1 (32 bit) or (64 bit - compatibility mode)
 - RHEL Advanced Server 4.0 (32 bit) or (64 bit - compatibility mode)
 - RHEL Advanced Server 5.0 (64 bit - compatibility mode)
 - SUSE Linux Enterprise Server 9 (32 bit) or (64 bit - compatibility mode)
 - SUSE Linux Enterprise Server 10 (64 bit - compatibility mode)

For System z:

- Minimum space requirement to run approximately 100 MB of hard disk space
- Operating systems - one of the following:
 - RHEL Advanced Server 4.0 (31 bit)
 - RHEL Advanced Server 5.0 (31 bit)
 - SUSE Linux Enterprise Server 9 (31 bit)
 - SUSE Linux Enterprise Server 10 (31 bit)

RDBMSs managed:

- DB2 UDB V9.1 with Fix Pack 2, or later
- DB2 UDB V9.5 with Fix Pack 3a, or later
- DB2 UDB V9.7
- Microsoft® SQL Server 2005, or later
- Microsoft SQL Server 2008, or later
- Oracle 10G (32 bit)

- Oracle 11G (32 bit)
- Sybase V15.0

Storage resource agent fabric configuration restrictions

The storage resource agent should not be configured to issue commands on any system that sends Small Computer System Interface (SCSI) commands over a fibre channel to a removable media drive. Removable media drives may not be able to queue commands sent by the storage resource agent under normal operations and it is likely to result in the application, using the removable media drive, to time out. This restriction can be addressed by not installing the storage resource agents on these systems, disabling the fabric functionality of the storage resource agent, or by configuring the storage resource agents to avoid the removable media systems.

Network Attached Storage (NAS) system requirements

The following requirements are for installing and running Tivoli Storage Productivity Center V4.2 distributed products within a NAS environment.

Server - not applicable. You cannot install the server component on a NAS filer. Refer to the Windows, UNIX, and Linux requirements for information about installing the server on different operating systems.

Agent - You must install the Tivoli Storage Productivity Center V4.2 data agents on machines that have access to the NAS filers that you want to monitor within your environment. The agent that is logging into and scanning the NAS filer is not required to be in the same domain as the user or the NAS filer. If you install the agent in a different domain than the NAS filer, which will be scanned by the agent, the domain of the agent machine must be a "trusted domain" from the perspective of the NAS filer's domain. You do not install agents to the NAS filers themselves.

Client - not applicable. Refer to the Windows, UNIX, and Linux requirements for information about installing the client on different operating systems.

NAS - The NAS filers within your environment must be visible to the machines where you install Tivoli Storage Productivity Center V4.2 products. NAS filers must be configured as a member of a Windows domain.

Installability

For AIX and Linux x86, the Tivoli Storage Productivity Center V4.2 database is automatically upgraded during the installation of the Tivoli Storage Productivity Center V4.2 server. After this database upgrade, the user can no longer run a previous version of the server with the database.

As a normal precaution, it is recommended that a full database backup be performed before installing the V4.2 code, as well as after completing the installation.

As part of a migration plan from previous IBM TotalStorage® Productivity Center versions, clients and servers may be upgraded at different times. After upgrading the server, you may use the Scheduled Agent Upgrade feature to plan and schedule the migration of supported clients to V4.2.

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.

Performance considerations

Tivoli Storage Productivity Center for Replication V4.2 and Tivoli Storage Productivity Center for Replication Three Site BC V4.2 performance may vary depending upon your particular configuration and customization.

Planning information

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 through Passport Advantage and Passport Advantage Express. The initial period of Software Subscription and Support (Software Maintenance) can be extended by the purchase of a renewal option, if available.

Packaging

Tivoli Storage Productivity Center V4.2 distributed products are distributed with:

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

This program, when downloaded from a Web site, 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

Tivoli Storage Productivity Center V4.2 distributed products 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 definitions

Server

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. For the purpose of server-based licensing, licensee must obtain entitlements for each server which is made available to the program, regardless of the number of processor cores and/or partitions in the server or the number of copies of the program on the server.

Note: Some programs may be licensed on a managed basis only. In that case, the following applies: Instead of the entitlements required for the program directly, licensee must obtain entitlements for this program sufficient to cover the servers managed by program.

Storage device

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 or controls the storage of 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. Instead of 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.

Tiered terabytes (1-12), (13-32), (33-64), (65-100), (101-250), (251+)

Terabyte (1-12), terabyte (13-32), terabyte (33-64), terabyte (65-100), terabyte (101-250), and terabyte (251+) is a unit of measure by which the program can be licensed. Proofs of Entitlement (PoEs) 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.

Note: Some programs may be licensed on a managed basis only. In that case, the following applies: Instead of the entitlements required for the program directly, licensee must obtain terabyte entitlements for this program sufficient to cover the storage managed by the program.

Passport Advantage

Through the Passport Advantage Agreement, you may receive discounted pricing based on your 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.

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

1. Analyze your 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 IBM 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 IBM product part number. The sum of these Passport Advantage points determines the Passport Advantage point value of the applicable IBM 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

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

The following Passport Advantage part number categories may be orderable:

- License and Software Subscription and Support 12 months - This is the product authorization with Software Subscription and Support to the first anniversary date.
- Annual Software Subscription and Support Renewal - This is the Software Subscription and Support renewal for one anniversary that applies when a customer renews their existing coverage period prior to the anniversary date at which it expires.
- Software Subscription and Support Reinstatement 12 months - This is for customers who have allowed their Software Subscription and Support to expire, and later wish to reinstate their Software Subscription and Support.
- 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

The following examples are provided to illustrate your licensing requirements.

IBM Tivoli Storage Productivity Center Basic Edition V4.2

IBM Tivoli Storage Productivity Center Basic Edition is licensed per server and is not based on capacity. Specifically, each server that is running the Tivoli Storage Productivity Center Basic Edition software requires the purchase of a license. IBM Tivoli Storage Productivity Center Basic Edition is **not** free.

IBM Tivoli Storage Productivity Center V4.2 for Disk, Data, Replication, and Standard Edition

These IBM Tivoli Storage Productivity Center distributed products use a tiered terabyte (TB) pricing model. The model consists of six tiers, which are to be used cumulatively. All tiers must be used in order, (begin with the first one and move on to the second one, and so forth) to get to the desired total amount of TB.

Based on the actual TB tiers, the following example is an illustration, using hypothetical prices, to show how to calculate the prices:

| Tier TB range (actual) | \$K/TB (hypothetical) |
|---------------------------|--------------------------|
| 1-12 | 10 |

| | |
|---------|---|
| 13-32 | 9 |
| 33-64 | 8 |
| 65-100 | 7 |
| 101-250 | 6 |
| 250 + | 5 |

| Total TB ordered | How it would be charged |
|------------------|---|
| 5 TB | \$10K x 5 TB = \$50K |
| 10 TB | \$10K x 10 TB = \$100K |
| 15 TB | \$10K x 12 TB + \$9K x 3 TB = \$147K |
| 32 TB | \$10K x 12 TB + \$9K x 20 TB = \$300K |
| 50 TB | \$10K x 12 TB + \$9K x 20 TB + \$8K x 18 TB = \$444K |
| 300 TB | \$10K x 12 TB + \$9K x 20 TB + \$8K x 32 TB + \$7K x 36 TB + \$6K x 150 TB + \$5K x 50 TB = \$1,958K |

IBM Tivoli Storage Productivity Center for Replication notes:

- IBM Tivoli Storage Productivity Center for Replication and IBM Tivoli Storage Productivity Center for Replication Three Site BC are licensed based on the amount of storage (in terabytes) to be replicated at the source location.
- IBM Tivoli Storage Productivity Center for Replication V4.2 is a prerequisite for IBM Tivoli Storage Productivity Center for Replication Three Site BC V4.2.
- It is not possible to order a number of TB for IBM Tivoli Storage Productivity Center Three Site BC that exceeds the number of TB ordered for IBM Tivoli Storage Productivity Center for Replication.

IBM Tivoli Storage Productivity Center for Disk Midrange Edition V4.2

IBM Tivoli Storage Productivity Center for Disk Midrange Edition V4.2 is licensed per Storage Device.

In V4.2, the IBM DS3000, DS4000, and DS5000 series are the only Storage Devices supported by IBM Tivoli Storage Productivity Center for Disk Midrange Edition.

Example 1

A customer with an IBM DS5020 has one controller unit and two expansion units for a total of three Storage Devices based on the program's pricing metric. The customer must acquire three Storage Device entitlements for IBM Tivoli Storage Productivity Center for Disk Midrange Edition.

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 counted even if they contain no drives.

Example 2

A customer with an IBM DS5100 has two controller units and six expansion units for a total of eight Storage Devices. The customer must acquire eight Storage Device entitlements for IBM Tivoli Storage Productivity Center for Disk Midrange Edition. If this customer later installed another IBM DS5100 (with two controller units and two expansion units) and that device was brought under the management of IBM Tivoli Storage Productivity Center for Disk Midrange Edition, then four additional Storage Device entitlements must be acquired.

Example 3

A customer with an IBM DS5300 that has two controller units and 16 expansion units, for a total of 18 Storage Devices, requires 18 Storage Device entitlements for IBM Tivoli Storage Productivity Center for Disk Midrange Edition. In addition, this customer has other Storage Devices not listed in the supported operating environment. Since IBM Tivoli Storage Productivity Center for Disk Midrange Edition includes the capabilities found in IBM Tivoli Storage Productivity Center Basic Edition (5608-WB1), the customer is entitled to use the features of IBM Tivoli Storage Productivity Center Basic Edition with its other devices.

Note: Performance monitoring and reporting is a key feature of IBM Tivoli Storage Productivity Center for Disk Midrange Edition V4.2 and the use of such management capabilities is limited to the IBM DS3000, DS4000, and DS5000 series. A broader range of device support is available with IBM Tivoli Storage Productivity Center Standard Edition (5608-WC0).

Entitlement information

Customers who have acquired a license of IBM Tivoli Storage Productivity Center for Data V4.2 and IBM Tivoli Storage Productivity Center for Disk V4.2 have the option to trade up to IBM Tivoli Storage Productivity Center Standard Edition V4.2 within Passport Advantage.

Ordering information

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

Product group: Tivoli Storage

Product category: Tivoli Storage Productivity Center

| Product Identifier Descriptions | PID number |
|--|------------|
| IBM Tivoli Storage Productivity Center Basic Edition | 5608-WB1 |
| IBM Tivoli Storage Productivity Center for Replication | 5608-WB2 |
| IBM Tivoli Storage Productivity Center for Replication Three Site BC | 5608-WB3 |
| IBM Tivoli Storage Productivity Center Standard Edition | 5608-WC0 |
| IBM Tivoli Storage Productivity Center for Data | 5608-WC3 |
| IBM Tivoli Storage Productivity Center for Disk | 5608-WC4 |
| IBM Tivoli Storage Productivity Center for Disk Midrange Edition | 5608-E14 |
| IBM Tivoli Storage Productivity Center for Disk Midrange Edition (for Passport Advantage) | 5725-A01 |

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.

| Media pack description and entitled maintenance offerings description | Part number |
|---|-------------|
| IBM Tivoli Storage Productivity Center Basic Edition V4.2 Media Pack ML Storage Prodtvty Ctr Basic Svr | BJ0W2ML |
| IBM Tivoli Storage Productivity Center for for Replication V4.2 MP ML TPC for Rep1 2 Site Terabyte 1-12 TPC for Rep1 2 Site Terabyte 13-32 TPC for Rep1 2 Site Terabyte 33-64 TPC for Rep1 2 Site Terabyte 65-100 TPC for Rep1 2 Site Terabyt 101-250 | BJ0W5ML |

TPC for Rep1 2 Site Terabyte 251+

IBM Tivoli Storage Productivity Center for Replication Three Site BC V4.2 MP ML BJ0W6ML
TPC for Rep1 3 Site Terabyte 1-12
TPC for Rep1 3 Site Terabyte 13-32
TPC for Rep1 3 Site Terabyte 33-64
TPC for Rep1 3 Site Terabyte 65-100
TPC for Rep1 3 Site Terabyt 101-250
TPC for Rep1 3 Site Terabyte 251+

IBM Tivoli Storage Productivity Center Standard Edition V4.2 MP ML BJ0W3ML
Storage Productvty Ctr Std TB
TPC Standard Ed Terabyte (1-12)
TPC Standard Ed Terabyte (13-32)
TPC Standard Ed Terabyte (33-64)
TPC Standard Ed Terabyte (65-100)
TPC Standard Ed Terabyte (101-250)
TPC Standard Ed Terabyte (251+)

IBM Tivoli Storage Productivity Center for Data V4.2 MP ML BJ0W4ML
Storage Prod Center Data Proc
Storage Prod Center Data Terab
TPC for Data Terabyte (1-12)
TPC for Data Terabyte (13-32)
TPC for Data Terabyte (33-64)
TPC for Data Terabyte (65-100)
TPC for Data Terabyte (101-250)
TPC for Data Terabyte (251+)

IBM Tivoli Storage Productivity Center for Disk V4.2 MP ML BH03YML
Multi Device Mgr Perf Mgr Terabyte
Storage Prdtvty Ctr Disk TByte
TPC for Disk Terabyte (1-12)
TPC for Disk Terabyte (13-32)
TPC for Disk Terabyte (33-64)
TPC for Disk Terabyte (65-100)
TPC for Disk Terabyte (101-250)
TPC for Disk Terabyte (251+)

IBM Tivoli Storage Productivity Center for Disk Midrange Edition V4.2 MP ML BH03ZML
Tiv Storage Productivity Center for Disk
Midrange Ed

Current licensees

Current licensees, with support in effect, will receive instructions on how to order this update.

New licensees

Orders for new licenses will be accepted now.

Shipment will begin on the planned availability date.

Basic license

Important ordering note

If you only want basic function for Tivoli Storage Productivity Center V4.2, you can order a license for IBM Tivoli Storage Productivity Center Basic Edition V4.2.

IBM Tivoli Storage Productivity Center for Data V4.2, IBM Tivoli Storage Productivity Center for Disk V4.2, IBM Tivoli Storage Productivity Center for Disk Midrange Edition V4.2, IBM Tivoli Storage Productivity Center for Replication V4.2, IBM Tivoli Storage Productivity Center for Replication Three Site BC V4.2, and IBM Tivoli

Storage Productivity Center for Standard Edition V4.2 include the function of IBM Tivoli Storage Productivity Center for Basic Edition V4.2. When ordering a license for one of these products, it is not necessary to order a separate license for IBM Tivoli Storage Productivity Center Basic Edition V4.2.

Passport Advantage tradeup

A tradeup is available from IBM Tivoli Storage Productivity Center for Data V4.2 and IBM Tivoli Storage Productivity Center for Disk V4.2 to IBM Tivoli Storage Productivity Center Standard Edition V4.2.

To order a tradeup for Passport Advantage, specify the desired tradeup part number and quantity in the following table.

| Description | Part number |
|---|-------------|
| IBM Tivoli Storage Productivity Center Standard Edition Tradeup from IBM Tivoli Storage Productivity Center for Data V4.2 | |
| - Per Terabyte (1-12) License and SW S&S 12 Months | D0921LL |
| - Per Terabyte (13-32) License and SW S&S 12 Months | D092BLL |
| - Per Terabyte (33-64) License and SW S&S 12 Months | D0927LL |
| - Per Terabyte (65-100) License and SW S&S 12 Months | D092ILL |
| - Per Terabyte (101-250) License and SW S&S 12 Months | D092MLL |
| - Per Terabyte (251+) License and SW S&S 12 Months | D092PLL |
| IBM Tivoli Storage Productivity Center Standard Edition Tradeup from IBM Tivoli Storage Productivity Center for Disk V4.2 | |
| - Per Terabyte (1-12) License and SW S&S 12 Months | D091ZLL |
| - Per Terabyte (13-32) License and SW S&S 12 Months | D092ALL |
| - Per Terabyte (33-64) License and SW S&S 12 Months | D0926LL |
| - Per Terabyte (65-100) License and SW S&S 12 Months | D092HLL |
| - Per Terabyte (101-250) License and SW S&S 12 Months | D092LLL |
| - Per Terabyte (251+) License and SW S&S 12 Months | D092NLL |

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 server, per terabyte, and per storage device. To order for Passport Advantage, specify the desired part number and quantity.

| Description | Part number |
|--|-------------|
| IBM Tivoli Storage Productivity Center Basic Edition | |
| Per server: | |
| License and SW S&S 12 Months | D61RXLL |
| Annual SW S&S Renewal | E045WLL |
| SW S&S Reinstatement 12 Months | D61RYLL |

IBM Tivoli Storage Productivity Center for Replication

| | |
|--------------------------------|---------|
| Per Terabyte (1-12) | |
| License and SW S&S 12 Months | D58EYLL |
| Per Terabyte (1-12) | |
| Annual SW S&S Renewal | E02JXLL |
| Per Terabyte (1-12) | |
| SW S&S Reinstatement 12 Months | D58EZLL |
| Per Terabyte (13-32) | |
| License and SW S&S 12 Months | D58F0LL |
| Per Terabyte (13-32) | |
| Annual SW S&S Renewal | E02JYLL |
| Per Terabyte (13-32) | |
| SW S&S Reinstatement 12 Months | D58F1LL |
| Per Terabyte (33-64) | |
| License and SW S&S 12 Months | D58F2LL |
| Per Terabyte (33-64) | |
| Annual SW S&S Renewal | E02JZLL |
| Per Terabyte (33-64) | |
| SW S&S Reinstatement 12 Months | D58F3LL |
| Per Terabyte (65-100) | |
| License and SW S&S 12 Months | D58F4LL |
| Per Terabyte (65-100) | |
| Annual SW S&S Renewal | E02K0LL |
| Per Terabyte (65-100) | |
| SW S&S Reinstatement 12 Months | D58F5LL |
| Per Terabyte (101-250) | |
| License and SW S&S 12 Months | D58F6LL |
| Per Terabyte (101-250) | |
| Annual SW S&S Renewal | E02K1LL |
| Per Terabyte (101-250) | |
| SW S&S Reinstatement 12 Months | D58F7LL |
| Per Terabyte (251+) | |
| License and SW S&S 12 Months | D58FCLL |
| Per Terabyte (251+) | |
| Annual SW S&S Renewal | E02K2LL |
| Per Terabyte (251+) | |
| SW S&S Reinstatement 12 Months | D58FDLL |

IBM Tivoli Storage Productivity Center for Replication
Three Site BC

| | |
|--------------------------------|---------|
| Per Terabyte (1-12) | |
| License and SW S&S 12 Months | D60WLLL |
| Per Terabyte (1-12) | |
| Annual SW S&S Renewal | E03RGLL |
| Per Terabyte (1-12) | |
| SW S&S Reinstatement 12 Months | D60WMLL |
| Per Terabyte (13-32) | |
| License and SW S&S 12 Months | D60WNLL |
| Per Terabyte (13-32) | |
| Annual SW S&S Renewal | E03RHLL |
| Per Terabyte (13-32) | |
| SW S&S Reinstatement 12 Months | D60WPLL |
| Per Terabyte (33-64) | |
| License and SW S&S 12 Months | D60WJLL |
| Per Terabyte (33-64) | |
| Annual SW S&S Renewal | E03RFLL |
| Per Terabyte (33-64) | |
| SW S&S Reinstatement 12 Months | D60WKLL |
| Per Terabyte (65-100) | |
| License and SW S&S 12 Months | D60XQLL |
| Per Terabyte (65-100) | |
| Annual SW S&S Renewal | E03RWLL |
| Per Terabyte (65-100) | |
| SW S&S Reinstatement 12 Months | D60XRLL |

| | |
|--------------------------------|---------|
| Per Terabyte (101-250) | |
| License and SW S&S 12 Months | D60XSLL |
| Per Terabyte (101-250) | |
| Annual SW S&S Renewal | E03RXLL |
| Per Terabyte (101-250) | |
| SW S&S Reinstatement 12 Months | D60XTLL |
| Per Terabyte (251+) | |
| License and SW S&S 12 Months | D60XNLL |
| Per Terabyte (251+) | |
| Annual SW S&S Renewal | E03RVLL |
| Per Terabyte (251+) | |
| SW S&S Reinstatement 12 Months | D60XPLL |

IBM Tivoli Storage Productivity Center Standard Edition

| | |
|--------------------------------|---------|
| Per Terabyte (1-12) | |
| License and SW S&S 12 Months | D598ALL |
| Per Terabyte (1-12) | |
| Annual SW S&S Renewal | E02WELL |
| Per Terabyte (1-12) | |
| SW S&S Reinstatement 12 Months | D598BLL |

| | |
|--------------------------------|---------|
| Per Terabyte (13-32) | |
| License and SW S&S 12 Months | D598GLL |
| Per Terabyte (13-32) | |
| Annual SW S&S Renewal | E02WILL |
| Per Terabyte (13-32) | |
| SW S&S Reinstatement 12 Months | D598HLL |

| | |
|--------------------------------|---------|
| Per Terabyte (33-64) | |
| License and SW S&S 12 Months | D598KLL |
| Per Terabyte (33-64) | |
| Annual SW S&S Renewal | E02WKLL |
| Per Terabyte (33-64) | |
| SW S&S Reinstatement 12 Months | D598LLL |

| | |
|--------------------------------|---------|
| Per Terabyte (65-100) | |
| License and SW S&S 12 Months | D5984LL |
| Per Terabyte (65-100) | |
| Annual SW S&S Renewal | E02WCLL |
| Per Terabyte (65-100) | |
| SW S&S Reinstatement 12 Months | D5985LL |

| | |
|--------------------------------|---------|
| Per Terabyte (101-250) | |
| License and SW S&S 12 Months | D599JLL |
| Per Terabyte (101-250) | |
| Annual SW S&S Renewal | E02X0LL |
| Per Terabyte (101-250) | |
| SW S&S Reinstatement 12 Months | D599KLL |

| | |
|--------------------------------|---------|
| Per Terabyte (251+) | |
| License and SW S&S 12 Months | D599LLL |
| Per Terabyte (251+) | |
| Annual SW S&S Renewal | E02X1LL |
| Per Terabyte (251+) | |
| SW S&S Reinstatement 12 Months | D599MLL |

IBM Tivoli Storage Productivity Center for Data

| | |
|--------------------------------|---------|
| Per Terabyte (1-12) | |
| License and SW S&S 12 Months | D5997LL |
| Per Terabyte (1-12) | |
| Annual SW S&S Renewal | E02WULL |
| Per Terabyte (1-12) | |
| SW S&S Reinstatement 12 Months | D5998LL |

| | |
|--------------------------------|---------|
| Per Terabyte (13-32) | |
| License and SW S&S 12 Months | D599BLL |
| Per Terabyte (13-32) | |
| Annual SW S&S Renewal | E02WWLL |
| Per Terabyte (13-32) | |
| SW S&S Reinstatement 12 Months | D599CLL |

| | |
|---|---------|
| Per Terabyte (33-64) | |
| License and SW S&S 12 Months | D599FLL |
| Per Terabyte (33-64) | |
| Annual SW S&S Renewal | E02WYLL |
| Per Terabyte (33-64) | |
| SW S&S Reinstatement 12 Months | D599GLL |
| Per Terabyte (65-100) | |
| License and SW S&S 12 Months | D599SLL |
| Per Terabyte (65-100) | |
| Annual SW S&S Renewal | E02X4LL |
| Per Terabyte (65-100) | |
| SW S&S Reinstatement 12 Months | D599TLL |
| Per Terabyte (101-250) | |
| License and SW S&S 12 Months | D599YLL |
| Per Terabyte (101-250) | |
| Annual SW S&S Renewal | E02X7LL |
| Per Terabyte (101-250) | |
| SW S&S Reinstatement 12 Months | D599ZLL |
| Per Terabyte (251+) | |
| License and SW S&S 12 Months | D59A2LL |
| Per Terabyte (251+) | |
| Annual SW S&S Renewal | E02X9LL |
| Per Terabyte (251+) | |
| SW S&S Reinstatement 12 Months | D59A3LL |
| IBM Tivoli Storage Productivity Center for Disk | |
| Per Terabyte (1-12) | |
| License and SW S&S 12 Months | D59A8LL |
| Per Terabyte (1-12) | |
| Annual SW S&S Renewal | E02XCLL |
| Per Terabyte (1-12) | |
| SW S&S Reinstatement 12 Months | D59A9LL |
| Per Terabyte (13-32) | |
| License and SW S&S 12 Months | D59ACLL |
| Per Terabyte (13-32) | |
| Annual SW S&S Renewal | E02XELL |
| Per Terabyte (13-32) | |
| SW S&S Reinstatement 12 Months | D59ADLL |
| Per Terabyte (33-64) | |
| License and SW S&S 12 Months | D59AILL |
| Per Terabyte (33-64) | |
| Annual SW S&S Renewal | E02XHLL |
| Per Terabyte (33-64) | |
| SW S&S Reinstatement 12 Months | D59AJLL |
| Per Terabyte (65-100) | |
| License and SW S&S 12 Months | D59A6LL |
| Per Terabyte (65-100) | |
| Annual SW S&S Renewal | E02XBLL |
| Per Terabyte (65-100) | |
| SW S&S Reinstatement 12 Months | D59A7LL |
| Per Terabyte (101-250) | |
| License and SW S&S 12 Months | D59AALL |
| Per Terabyte (101-250) | |
| Annual SW S&S Renewal | E02XDLL |
| Per Terabyte (101-250) | |
| SW S&S Reinstatement 12 Months | D59ABLL |
| Per Terabyte (251+) | |
| License and SW S&S 12 Months | D59AGLL |
| Per Terabyte (251+) | |
| Annual SW S&S Renewal | E02XGLL |
| Per Terabyte (251+) | |
| SW S&S Reinstatement 12 Months | D59AHL |

IBM Tivoli Storage Productivity Center for Disk

Midrange Edition

Per storage device:

| | |
|--------------------------------|---------|
| License and SW S&S 12 Months | DOCTZLL |
| Annual SW S&S Renewal | E08PMLL |
| SW S&S Reinstatement 12 Months | D0CUOLL |

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

| Description | Part number |
|---|-------------|
| IBM Tivoli Storage Productivity Center Basic Edition V4.2 DVD media pack - multilingual | BJ0W2ML |
| IBM Tivoli Storage Productivity Center for Replication V4.2 DVD media pack - multilingual | BJ0W5ML |
| IBM Tivoli Storage Productivity Center for Replication Three Site BC V4.2 DVD media pack - multilingual | BJ0W6ML |
| IBM Tivoli Storage Productivity Center Standard Edition V4.2 DVD media pack - multilingual | BJ0W3ML |
| IBM Tivoli Storage Productivity Center for Data V4.2 DVD media pack - multilingual | BJ0W4ML |
| IBM Tivoli Storage Productivity Center for Disk V4.2 DVD media pack - multilingual | BH03YML |
| IBM Tivoli Storage Productivity Center for Disk Midrange Edition V4.2 DVD media pack - multilingual | BH03ZML |

The products listed in the above table are also available via Web download from Passport Advantage.

Withdrawal of Passport Advantage media pack part numbers

The following Passport Advantage part numbers will be withdrawn on September 17, 2010:

| Description | Part number |
|---|-------------|
| IBM TotalStorage Productivity Center Basic Edition V3.3.1 | BJ007ML |
| IBM TotalStorage Productivity Center for Replication Two Site BC V3.4 media pack - multilingual | BJ0M5ML |
| IBM TotalStorage Productivity Center for Replication Three Site BC V3.4 media pack - multilingual | BJ0M4ML |
| IBM TotalStorage Productivity Center Standard Edition V3.3 media pack - multilingual | BJ0INML |
| IBM TotalStorage Productivity Center for Data V3.3 media pack - multilingual | BJ0K1ML |
| IBM TotalStorage Productivity Center for Disk V3.3 media pack - multilingual | BH034ML |

Ordering information for non-Passport Advantage for 5608-WB1, 5608-WB2, 5608-WB3, 5608-WC0, 5608-WC3, 5608-WC4, and 5608-E14

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 server, per terabyte, and per storage device.

| | | Feature number | |
|----------------|---|----------------|---------|
| Product number | Product name | Qty 1 | Qty 250 |
| 5608-WB1 | IBM Tivoli Storage Productivity Center Basic Edition V4.2 | | |
| | Per server | 0001 | 0002 |

| Product number | Product name | Feature number |
|----------------|---|----------------|
| 5608-WB2 | IBM Tivoli Storage Productivity Center for Replication V4.2 | |
| | Per Terabyte (1-12) with 1 Year SW S&S | 0001 |
| | Per Terabyte (13-32) with 1 Year SW S&S | 0002 |
| | Per Terabyte (33-64) with 1 Year SW S&S | 0003 |
| | Per Terabyte (65-100) with 1 Year SW S&S | 0004 |
| | Per Terabyte (101-250) with 1 Year SW S&S | 0005 |
| | Per Terabyte (251+) with 1 Year SW S&S | 0006 |
| | Per 250 Terabyte (251+) with 1 Year SW S&S | 0007 |

| | | |
|----------|---|------|
| 5608-WB3 | IBM Tivoli Storage Productivity Center for Replication Three Site BC V4.2 | |
| | Per Terabyte (1-12) with 1 Year SW S&S | 0001 |
| | Per Terabyte (13-32) with 1 Year SW S&S | 0002 |
| | Per Terabyte (33-64) with 1 Year SW S&S | 0003 |
| | Per Terabyte (65-100) with 1 Year SW S&S | 0004 |
| | Per Terabyte (101-250) with 1 Year SW S&S | 0005 |
| | Per Terabyte (251+) with 1 Year SW S&S | 0006 |
| | Per 250 Terabyte (251+) with 1 Year SW S&S | 0007 |

| | | |
|----------|--|------|
| 5608-WC0 | IBM Tivoli Storage Productivity Center Standard Edition V4.2 | |
| | Per Terabyte (1-12) with 1 Year SW S&S | 0001 |
| | Per Terabyte (13-32) with 1 Year SW S&S | 0002 |
| | Per Terabyte (33-64) with 1 Year SW S&S | 0003 |
| | Per Terabyte (65-100) with 1 Year SW S&S | 0004 |
| | Per Terabyte (101-250) with 1 Year SW S&S | 0005 |
| | Per Terabyte (251+) with 1 Year SW S&S | 0006 |
| | Per 250 Terabyte (251+) with 1 Year SW S&S | 0007 |

| | | |
|----------|--|------|
| 5608-WC3 | IBM Tivoli Storage Productivity Center for Data V4.2 | |
| | Per Terabyte (1-12) with 1 Year SW S&S | 0001 |
| | Per Terabyte (13-32) with 1 Year SW S&S | 0002 |
| | Per Terabyte (33-64) with 1 Year SW S&S | 0003 |
| | Per Terabyte (65-100) with 1 Year SW S&S | 0004 |
| | Per Terabyte (101-250) with 1 Year SW S&S | 0005 |
| | Per Terabyte (251+) with 1 Year SW S&S | 0006 |
| | Per 250 Terabyte (251+) with 1 Year SW S&S | 0007 |

| | | |
|----------|--|------|
| 5608-WC4 | IBM Tivoli Storage Productivity Center for Disk V4.2 | |
| | Per Terabyte (1-12) with 1 Year SW S&S | 0001 |
| | Per Terabyte (13-32) with 1 Year SW S&S | 0002 |
| | Per Terabyte (33-64) with 1 Year SW S&S | 0003 |
| | Per Terabyte (65-100) with 1 Year SW S&S | 0004 |
| | Per Terabyte (101-250) with 1 Year SW S&S | 0005 |
| | Per Terabyte (251+) with 1 Year SW S&S | 0006 |
| | Per 250 Terabyte (251+) with 1 Year SW S&S | 0007 |

| | | Feature number | |
|----------------|---|----------------|---------|
| Product number | Product name | Qty 1 | Qty 250 |
| 5608-E14 | IBM Tivoli Storage Productivity Center for Disk Midrange Edition V4.2 | | |
| | Per storage device | 0001 | 0002 |

This software license includes Software (SW) Subscription and Support (S&S), also referred to as Software Maintenance. Extending coverage from two to five years from date of acquisition may be elected. Renewals can be ordered for one year and three years. Order the program number, feature number, and quantity to extend coverage for your software licenses. If Software Subscription and Support has expired, specify the after license feature number.

IBM Tivoli Storage Productivity Center Basic Edition

SW S&S PID 1 Year: 5608-R61

| Description | Feature number Qty 1 | Feature number Qty 250 |
|--|----------------------|------------------------|
| Use authorizations (to be ordered in quantity): Per server: | | |
| SW S&S No Charge Registration | 0001 | 0002 |
| SW S&S 1 Year Renewal | 0003 | 0004 |

SW S&S PID 1 Year: 5608-R62

| Description | Feature number Qty 1 | Feature number Qty 250 |
|-----------------------------|----------------------|------------------------|
| Per server: | | |
| SW S&S 1 Year After License | 0001 | 0002 |

SW S&S PID 2 Year: 5608-R36

| Description | Feature number Qty 1 | Feature number Qty 250 |
|--|----------------------|------------------------|
| Use authorizations (to be ordered in quantity): Per server: | | |
| SW S&S 2 Year Registration | 0001 | 0002 |

SW S&S PID 3 Year: 5608-R63

| Description | Feature number Qty 1 | Feature number Qty 250 |
|--|----------------------|------------------------|
| Use authorizations (to be ordered in quantity): Per server: | | |
| SW S&S 3 Year Registration | 0001 | 0002 |

SW S&S PID 3 Year: 5608-R64

| Description | Feature number Qty 1 | Feature number Qty 250 |
|--|----------------------|------------------------|
| Use authorizations (to be ordered in quantity): Per server: | | |
| SW S&S 3 Year Renewal | 0001 | 0002 |

SW S&S PID 3 Year: 5608-R65

| Description | Feature number Qty 1 | Feature number Qty 250 |
|--|----------------------|------------------------|
| Use authorizations (to be ordered in quantity): Per server: | | |
| SW S&S 3 Year After License | 0001 | 0002 |

SW S&S PID 4 Year: 5608-R37

Feature Feature

| Description | number Qty 1 | number Qty 250 |
|---|-----------------|-------------------|
| Use authorizations (to be ordered in quantity): | | |
| Per server: | | |
| SW S&S 4 Year Registration | 0001 | 0002 |

SW S&S PID 5 Year: 5608-R38

| Description | Feature number Qty 1 | Feature number Qty 250 |
|---|----------------------------|------------------------------|
| Use authorizations (to be ordered in quantity): | | |
| Per server: | | |
| SW S&S 5 Year Registration | 0001 | 0002 |

IBM Tivoli Storage Productivity Center for Replication

SW S&S PID 1 Year: 5608-R66

| Description | Feature number |
|----------------------------------|-------------------|
| Per Terabyte (1-12) | |
| -- SW S&S No Charge Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S No Charge Registration | 0003 |
| Per Terabyte (33-64) | |
| -- SW S&S No Charge Registration | 0005 |
| Per Terabyte (65-100) | |
| -- SW S&S No Charge Registration | 0007 |
| Per Terabyte (101-250) | |
| -- SW S&S No Charge Registration | 0009 |
| Per Terabyte (251+) | |
| -- SW S&S No Charge Registration | 0011 |
| Per 250 Terabyte (251+) | |
| -- SW S&S No Charge Registration | 0012 |

| | |
|--------------------------|------|
| Per Terabyte (1-12) | |
| -- SW S&S 1 Year Renewal | 0002 |
| Per Terabyte (13-32) | |
| -- SW S&S 1 Year Renewal | 0004 |
| Per Terabyte (33-64) | |
| -- SW S&S 1 Year Renewal | 0006 |
| Per Terabyte (65-100) | |
| -- SW S&S 1 Year Renewal | 0008 |
| Per Terabyte (101-250) | |
| -- SW S&S 1 Year Renewal | 0010 |
| Per Terabyte (251+) | |
| -- SW S&S 1 Year Renewal | 0013 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 1 Year Renewal | 0014 |

SW S&S PID 1 Year: 5608-R67

| Description | Feature number |
|--------------------------------|-------------------|
| Per Terabyte (1-12) | |
| -- SW S&S 1 Year After License | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 1 Year After License | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 1 Year After License | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 1 Year After License | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 1 Year After License | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 1 Year After License | 0006 |
| Per 250 Terabyte (251+) | |

| | |
|--------------------------------|----------------|
| -- SW S&S 1 Year After License | 0007 |
| SW S&S PID 2 Year: 5608-R39 | |
| Description | Feature number |
| Per Terabyte (1-12) | |
| -- SW S&S 2 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 2 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 2 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 2 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 2 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 2 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 2 Year Registration | 0007 |
| SW S&S PID 3 Year: 5608-R68 | |
| Description | Feature number |
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 3 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 3 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 3 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 3 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 3 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 3 Year Registration | 0007 |
| SW S&S PID 3 Year: 5608-R69 | |
| Description | Feature number |
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year Renewal | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 3 Year Renewal | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 3 Year Renewal | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 3 Year Renewal | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 3 Year Renewal | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 3 Year Renewal | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 3 Year Renewal | 0007 |
| SW S&S PID 3 Year: 5608-R70 | |
| Description | Feature number |
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year After License | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 3 Year After License | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 3 Year After License | 0003 |
| Per Terabyte (65-100) | |

| | |
|---|------|
| -- SW S&S 3 Year After License Per Terabyte (101-250) | 0004 |
| -- SW S&S 3 Year After License Per Terabyte (251+) | 0005 |
| -- SW S&S 3 Year After License Per 250 Terabyte (251+) | 0006 |
| -- SW S&S 3 Year After License | 0007 |

SW S&S PID 4 Year: 5608-R40

| Description | Feature number |
|--|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 4 Year Registration Per Terabyte (13-32) | 0001 |
| -- SW S&S 4 Year Registration Per Terabyte (33-64) | 0002 |
| -- SW S&S 4 Year Registration Per Terabyte (65-100) | 0003 |
| -- SW S&S 4 Year Registration Per Terabyte (101-250) | 0004 |
| -- SW S&S 4 Year Registration Per Terabyte (251+) | 0005 |
| -- SW S&S 4 Year Registration Per 250 Terabyte (251+) | 0006 |
| -- SW S&S 4 Year Registration | 0007 |

SW S&S PID 5 Year: 5608-R41

| Description | Feature number |
|--|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 5 Year Registration Per Terabyte (13-32) | 0001 |
| -- SW S&S 5 Year Registration Per Terabyte (33-64) | 0002 |
| -- SW S&S 5 Year Registration Per Terabyte (65-100) | 0003 |
| -- SW S&S 5 Year Registration Per Terabyte (101-250) | 0004 |
| -- SW S&S 5 Year Registration Per Terabyte (251+) | 0005 |
| -- SW S&S 5 Year Registration Per 250 Terabyte (251+) | 0006 |
| -- SW S&S 5 Year Registration | 0007 |

IBM Tivoli Storage Productivity Center for Replication Three Site BC

SW S&S PID 1 Year: 5608-R71

| Description | Feature number |
|---|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S No Charge Registration Per Terabyte (13-32) | 0001 |
| -- SW S&S No Charge Registration Per Terabyte (33-64) | 0003 |
| -- SW S&S No Charge Registration Per Terabyte (65-100) | 0005 |
| -- SW S&S No Charge Registration Per Terabyte (101-250) | 0007 |
| -- SW S&S No Charge Registration Per Terabyte (251+) | 0009 |
| -- SW S&S No Charge Registration Per 250 Terabyte (251+) | 0011 |
| -- SW S&S No Charge Registration | 0012 |
| Per Terabyte (1-12) | |
| -- SW S&S 1 Year Renewal Per Terabyte (13-32) | 0002 |

| | |
|--------------------------|------|
| -- SW S&S 1 Year Renewal | 0004 |
| Per Terabyte (33-64) | |
| -- SW S&S 1 Year Renewal | 0006 |
| Per Terabyte (65-100) | |
| -- SW S&S 1 Year Renewal | 0008 |
| Per Terabyte (101-250) | |
| -- SW S&S 1 Year Renewal | 0010 |
| Per Terabyte (251+) | |
| -- SW S&S 1 Year Renewal | 0013 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 1 Year Renewal | 0014 |

SW S&S PID 1 Year: 5608-R72

| Description | Feature number |
|--------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 1 Year After License | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 1 Year After License | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 1 Year After License | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 1 Year After License | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 1 Year After License | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 1 Year After License | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 1 Year After License | 0007 |

SW S&S PID 2 Year: 5608-R42

| Description | Feature number |
|-------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 2 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 2 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 2 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 2 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 2 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 2 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 2 Year Registration | 0007 |

SW S&S PID 3 Year: 5608-R73

| Description | Feature number |
|-------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 3 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 3 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 3 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 3 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 3 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 3 Year Registration | 0007 |

SW S&S PID 3 Year: 5608-R74

| Description | Feature number |
|-----------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year Renewal | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 3 Year Renewal | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 3 Year Renewal | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 3 Year Renewal | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 3 Year Renewal | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 3 Year Renewal | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 3 Year Renewal | 0007 |
| SW S&S PID 3 Year: 5608-R75 | |

| Description | Feature number |
|--------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year After License | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 3 Year After License | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 3 Year After License | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 3 Year After License | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 3 Year After License | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 3 Year After License | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 3 Year After License | 0007 |
| SW S&S PID 4 Year: 5608-R43 | |

| Description | Feature number |
|-------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 4 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 4 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 4 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 4 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 4 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 4 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 4 Year Registration | 0007 |
| SW S&S PID 5 Year: 5608-R44 | |

| Description | Feature number |
|-------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 5 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 5 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 5 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 5 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 5 Year Registration | 0005 |
| Per Terabyte (251+) | |

-- SW S&S 5 Year Registration 0006
 Per 250 Terabyte (251+)
 -- SW S&S 5 Year Registration 0007

IBM Tivoli Storage Productivity Center Standard Edition

SW S&S PID 1 Year: 5608-R51

| Description | Feature number |
|----------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S No Charge Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S No Charge Registration | 0003 |
| Per Terabyte (33-64) | |
| -- SW S&S No Charge Registration | 0005 |
| Per Terabyte (65-100) | |
| -- SW S&S No Charge Registration | 0007 |
| Per Terabyte (101-250) | |
| -- SW S&S No Charge Registration | 0009 |
| Per Terabyte (251+) | |
| -- SW S&S No Charge Registration | 0011 |
| Per 250 Terabyte (251+) | |
| -- SW S&S No Charge Registration | 0012 |

| | |
|--------------------------|------|
| Per Terabyte (1-12) | |
| -- SW S&S 1 Year Renewal | 0002 |
| Per Terabyte (13-32) | |
| -- SW S&S 1 Year Renewal | 0004 |
| Per Terabyte (33-64) | |
| -- SW S&S 1 Year Renewal | 0006 |
| Per Terabyte (65-100) | |
| -- SW S&S 1 Year Renewal | 0008 |
| Per Terabyte (101-250) | |
| -- SW S&S 1 Year Renewal | 0010 |
| Per Terabyte (251+) | |
| -- SW S&S 1 Year Renewal | 0013 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 1 Year Renewal | 0014 |

SW S&S PID 1 Year: 5608-R52

| Description | Feature number |
|--------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 1 Year After License | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 1 Year After License | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 1 Year After License | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 1 Year After License | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 1 Year After License | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 1 Year After License | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 1 Year After License | 0007 |

SW S&S PID 2 Year: 5608-R45

| Description | Feature number |
|-------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 2 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 2 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 2 Year Registration | 0003 |
| Per Terabyte (65-100) | |

| | |
|--|------|
| -- SW S&S 2 Year Registration Per Terabyte (101-250) | 0004 |
| -- SW S&S 2 Year Registration Per Terabyte (251+) | 0005 |
| -- SW S&S 2 Year Registration Per 250 Terabyte (251+) | 0006 |
| -- SW S&S 2 Year Registration | 0007 |

SW S&S PID 3 Year: 5608-R53

| Description | Feature number |
|--|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year Registration Per Terabyte (13-32) | 0001 |
| -- SW S&S 3 Year Registration Per Terabyte (33-64) | 0002 |
| -- SW S&S 3 Year Registration Per Terabyte (65-100) | 0003 |
| -- SW S&S 3 Year Registration Per Terabyte (101-250) | 0004 |
| -- SW S&S 3 Year Registration Per Terabyte (251+) | 0005 |
| -- SW S&S 3 Year Registration Per 250 Terabyte (251+) | 0006 |
| -- SW S&S 3 Year Registration | 0007 |

SW S&S PID 3 Year: 5608-R54

| Description | Feature number |
|---|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year Renewal Per Terabyte (13-32) | 0001 |
| -- SW S&S 3 Year Renewal Per Terabyte (33-64) | 0002 |
| -- SW S&S 3 Year Renewal Per Terabyte (65-100) | 0003 |
| -- SW S&S 3 Year Renewal Per Terabyte (101-250) | 0004 |
| -- SW S&S 3 Year Renewal Per Terabyte (251+) | 0005 |
| -- SW S&S 3 Year Renewal Per 250 Terabyte (251+) | 0006 |
| -- SW S&S 3 Year Renewal | 0007 |

SW S&S PID 3 Year: 5608-R55

| Description | Feature number |
|---|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year After License Per Terabyte (13-32) | 0001 |
| -- SW S&S 3 Year After License Per Terabyte (33-64) | 0002 |
| -- SW S&S 3 Year After License Per Terabyte (65-100) | 0003 |
| -- SW S&S 3 Year After License Per Terabyte (101-250) | 0004 |
| -- SW S&S 3 Year After License Per Terabyte (251+) | 0005 |
| -- SW S&S 3 Year After License Per 250 Terabyte (251+) | 0006 |
| -- SW S&S 3 Year After License | 0007 |

SW S&S PID 4 Year: 5608-R46

| Description | Feature number |
|-------------|----------------|
|-------------|----------------|

| | |
|-------------------------------|------|
| Per Terabyte (1-12) | |
| -- SW S&S 4 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 4 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 4 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 4 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 4 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 4 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 4 Year Registration | 0007 |

SW S&S PID 5 Year: 5608-R47

| Description | Feature number |
|-------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 5 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 5 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 5 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 5 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 5 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 5 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 5 Year Registration | 0007 |

IBM Tivoli Storage Productivity Center for Data

SW S&S PID 1 Year: 5608-R81

| Description | Feature number |
|----------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S No Charge Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S No Charge Registration | 0003 |
| Per Terabyte (33-64) | |
| -- SW S&S No Charge Registration | 0005 |
| Per Terabyte (65-100) | |
| -- SW S&S No Charge Registration | 0007 |
| Per Terabyte (101-250) | |
| -- SW S&S No Charge Registration | 0009 |
| Per Terabyte (251+) | |
| -- SW S&S No Charge Registration | 0011 |
| Per 250 Terabyte (251+) | |
| -- SW S&S No Charge Registration | 0012 |

| | |
|--------------------------|------|
| Per Terabyte (1-12) | |
| -- SW S&S 1 Year Renewal | 0002 |
| Per Terabyte (13-32) | |
| -- SW S&S 1 Year Renewal | 0004 |
| Per Terabyte (33-64) | |
| -- SW S&S 1 Year Renewal | 0006 |
| Per Terabyte (65-100) | |
| -- SW S&S 1 Year Renewal | 0008 |
| Per Terabyte (101-250) | |
| -- SW S&S 1 Year Renewal | 0010 |
| Per Terabyte (251+) | |
| -- SW S&S 1 Year Renewal | 0013 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 1 Year Renewal | 0014 |

SW S&S PID 1 Year: 5608-R82

| Description | Feature number |
|--------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 1 Year After License | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 1 Year After License | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 1 Year After License | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 1 Year After License | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 1 Year After License | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 1 Year After License | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 1 Year After License | 0007 |

SW S&S PID 2 Year: 5608-R33

| Description | Feature number |
|-------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 2 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 2 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 2 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 2 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 2 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 2 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 2 Year Registration | 0007 |

SW S&S PID 3 Year: 5608-R83

| Description | Feature number |
|-------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 3 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 3 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 3 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 3 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 3 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 3 Year Registration | 0007 |

SW S&S PID 3 Year: 5608-R84

| Description | Feature number |
|--------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year Renewal | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 3 Year Renewal | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 3 Year Renewal | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 3 Year Renewal | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 3 Year Renewal | 0005 |

Per Terabyte (251+)
 -- SW S&S 3 Year Renewal 0006
 Per 250 Terabyte (251+)
 -- SW S&S 3 Year Renewal 0007

SW S&S PID 3 Year: 5608-R85

| Description | Feature number |
|--------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year After License | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 3 Year After License | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 3 Year After License | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 3 Year After License | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 3 Year After License | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 3 Year After License | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 3 Year After License | 0007 |

SW S&S PID 4 Year: 5608-R34

| Description | Feature number |
|-------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 4 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 4 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 4 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 4 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 4 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 4 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 4 Year Registration | 0007 |

SW S&S PID 5 Year: 5608-R35

| Description | Feature number |
|-------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 5 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 5 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 5 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 5 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 5 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 5 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 5 Year Registration | 0007 |

IBM Tivoli Storage Productivity Center for Disk

SW S&S PID 1 Year: 5608-R56

| Description | Feature number |
|---------------------|----------------|
| Per Terabyte (1-12) | |

| | |
|----------------------------------|------|
| -- SW S&S No Charge Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S No Charge Registration | 0003 |
| Per Terabyte (33-64) | |
| -- SW S&S No Charge Registration | 0005 |
| Per Terabyte (65-100) | |
| -- SW S&S No Charge Registration | 0007 |
| Per Terabyte (101-250) | |
| -- SW S&S No Charge Registration | 0009 |
| Per Terabyte (251+) | |
| -- SW S&S No Charge Registration | 0011 |
| Per 250 Terabyte (251+) | |
| -- SW S&S No Charge Registration | 0012 |
| Per Terabyte (1-12) | |
| -- SW S&S 1 Year Renewal | 0002 |
| Per Terabyte (13-32) | |
| -- SW S&S 1 Year Renewal | 0004 |
| Per Terabyte (33-64) | |
| -- SW S&S 1 Year Renewal | 0006 |
| Per Terabyte (65-100) | |
| -- SW S&S 1 Year Renewal | 0008 |
| Per Terabyte (101-250) | |
| -- SW S&S 1 Year Renewal | 0010 |
| Per Terabyte (251+) | |
| -- SW S&S 1 Year Renewal | 0013 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 1 Year Renewal | 0014 |

SW S&S PID 1 Year: 5608-R57

| Description | Feature number |
|--------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 1 Year After License | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 1 Year After License | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 1 Year After License | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 1 Year After License | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 1 Year After License | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 1 Year After License | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 1 Year After License | 0007 |

SW S&S PID 2 Year: 5608-R48

| Description | Feature number |
|-------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 2 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 2 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 2 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 2 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 2 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 2 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 2 Year Registration | 0007 |

SW S&S PID 3 Year: 5608-R58

| Description | Feature number |
|-------------|----------------|
|-------------|----------------|

| | |
|-------------------------------|------|
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 3 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 3 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 3 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 3 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 3 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 3 Year Registration | 0007 |

SW S&S PID 3 Year: 5608-R59

| Description | Feature number |
|--------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year Renewal | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 3 Year Renewal | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 3 Year Renewal | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 3 Year Renewal | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 3 Year Renewal | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 3 Year Renewal | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 3 Year Renewal | 0007 |

SW S&S PID 3 Year: 5608-R60

| Description | Feature number |
|--------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 3 Year After License | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 3 Year After License | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 3 Year After License | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 3 Year After License | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 3 Year After License | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 3 Year After License | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 3 Year After License | 0007 |

SW S&S PID 4 Year: 5608-R49

| Description | Feature number |
|-------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 4 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 4 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 4 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 4 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 4 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 4 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 4 Year Registration | 0007 |

SW S&S PID 5 Year: 5608-R50

| Description | Feature number |
|-------------------------------|----------------|
| Per Terabyte (1-12) | |
| -- SW S&S 5 Year Registration | 0001 |
| Per Terabyte (13-32) | |
| -- SW S&S 5 Year Registration | 0002 |
| Per Terabyte (33-64) | |
| -- SW S&S 5 Year Registration | 0003 |
| Per Terabyte (65-100) | |
| -- SW S&S 5 Year Registration | 0004 |
| Per Terabyte (101-250) | |
| -- SW S&S 5 Year Registration | 0005 |
| Per Terabyte (251+) | |
| -- SW S&S 5 Year Registration | 0006 |
| Per 250 Terabyte (251+) | |
| -- SW S&S 5 Year Registration | 0007 |

IBM Tivoli Storage Productivity Center for Disk Midrange Edition

SW S&S PID 1 Year: 5608-R86

| Description | Feature number Qty 1 | Feature number Qty 250 |
|---|----------------------|------------------------|
| Use authorizations (to be ordered in quantity): | | |
| Per storage device: | | |
| SW S&S No Charge Registration | 0001 | 0002 |
| SW S&S 1 Year Renewal | 0003 | 0004 |

SW S&S PID 1 Year: 5608-R87

| Description | Feature number Qty 1 | Feature number Qty 250 |
|---|----------------------|------------------------|
| Use authorizations (to be ordered in quantity): | | |
| Per storage device: | | |
| SW S&S 1 Year After License | 0001 | 0002 |

SW S&S PID 2 Year: 5608-R90

| Description | Feature number Qty 1 | Feature number Qty 250 |
|---|----------------------|------------------------|
| Use authorizations (to be ordered in quantity): | | |
| Per storage device: | | |
| SW S&S 2 Year Registration | 0001 | 0002 |

SW S&S PID 3 Year: 5608-R93

| Description | Feature number Qty 1 | Feature number Qty 250 |
|---|----------------------|------------------------|
| Use authorizations (to be ordered in quantity): | | |
| Per storage device: | | |
| SW S&S 3 Year Registration | 0001 | 0002 |

SW S&S PID 3 Year: 5608-R88

| Description | Feature number Qty 1 | Feature number Qty 250 |
|---|----------------------|------------------------|
| Use authorizations (to be ordered in quantity): | | |

Per storage device:
 SW S&S 3 Year Renewal 0001 0002

SW S&S PID 3 Year: 5608-R89

| | | |
|-------------|----------------------|------------------------|
| Description | Feature number Qty 1 | Feature number Qty 250 |
|-------------|----------------------|------------------------|

Use authorizations (to be ordered in quantity):

Per storage device:
 SW S&S 3 Year After License 0001 0002

SW S&S PID 4 Year: 5608-R91

| | | |
|-------------|----------------------|------------------------|
| Description | Feature number Qty 1 | Feature number Qty 250 |
|-------------|----------------------|------------------------|

Use authorizations (to be ordered in quantity):

Per storage device:
 SW S&S 4 Year Registration 0001 0002

SW S&S PID 5 Year: 5608-R92

| | | |
|-------------|----------------------|------------------------|
| Description | Feature number Qty 1 | Feature number Qty 250 |
|-------------|----------------------|------------------------|

Use authorizations (to be ordered in quantity):

Per storage device:
 SW S&S 5 Year Registration 0001 0002

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| Feature number | Language | Distribution medium |
|----------------|--------------|---------------------|
| 5809 | Multilingual | DVD |

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- IBM Tivoli Storage Productivity Center Standard Edition: L-JTUR-85CMKL
- IBM Tivoli Storage Productivity Center for Data: L-JTUR-85CMKL
- IBM Tivoli Storage Productivity Center for Disk: L-JTUR-85CMKL
- IBM Tivoli Storage Productivity Center for Disk Midrange Edition: L-JTUR-85CMKL

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Other terms

Volume orders (IVO)

No

IBM International Passport Advantage Agreement

Passport Advantage applies

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