



IBM Tivoli Storage Productivity Center V5.1 introduces a new user interface to help centralize, simplify, and automate storage tasks

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At a glance

Highlights of IBM® Tivoli® Storage Productivity Center V5.1:

- Offers comprehensive visibility and centralized management of heterogeneous storage infrastructures from a single interface that is web-based and integrated for an enhanced user experience.
- Supports role-based administration and single sign-on.
- Delivers common services for simple configuration and consistent operations across host, fabric, and storage systems.
- Helps manage performance and connectivity from the host file system to the physical disk, including in-depth performance monitoring and analysis of Storage Area Network (SAN) fabric.
- Helps monitor, manage, and control (zone) SAN fabric components.
- Helps monitor and track the performance of SAN-attached Storage Management Initiative - Specification (SMI-S) compliant storage devices.
- For replication, staged and controlled deployment for more complex environments with detailed session reporting for Global Mirror environments that helps improve time to resolution when needing to troubleshoot.
- For replication, a management server that runs in a active standby configuration.

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 V5.1 products offer storage infrastructure management that helps optimize storage management by centralizing, simplifying, automating, and optimizing storage tasks associated with storage systems, data disaster recovery, storage networks, and capacity management.

IBM Tivoli Storage Productivity Center V5.1 products include:

- IBM Tivoli Storage Productivity Center V5.1
- IBM Tivoli Storage Productivity Center Select Edition V5.1

Tivoli Storage Productivity Center V5.1 is designed to provide device management capabilities such as automated system discovery, provisioning, data replication, configuration, and performance monitoring for storage systems and storage networks.

Tivoli Storage Productivity Center Select Edition V5.1 offers the same features as Tivoli Storage Productivity Center V5.1 but at attractive entry-level pricing for operations with smaller capacities. It is licensed per storage device, such as disk controllers and their respective expansion units.

New in Tivoli Storage Productivity Center V5.1:

- A next-generation, web-based user interface that is designed to offer ease of use. The new user interface provides a common look and feel that is based on the current user interfaces for IBM XIV® Storage System, IBM Storwize® V7000, and IBM System Storage® SAN Volume Controller. It enables quick access to key storage assets, status, and performance information.
- IBM Cognos-based reporting that helps create and integrate custom reports on capacity, performance, and utilization.
- Replication features that include support for external failover by external products, allowing users to define Warning and Severe thresholds for recovery point objective (RPO) alerts, and providing the ability to export replication history to a table for analysis.
- An InstallAnywhere wizard to help simplify installation and post-installation configuration to help accelerate administrator time-to-value.

Key prerequisites

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

Planned availability date

- June 15, 2012: Electronic and media

Description

IBM Tivoli Storage Productivity Center V5.1 offers highly effective storage infrastructure management capabilities to storage administrators and managers to help them manage and optimize their heterogeneous storage environment.

Tivoli Storage Productivity Center V5.1 is an integrated, web-based, open management tool that provides ease-of-use tools to help monitor and manage the storage environment and it is scalable with growth.

Tivoli Storage Productivity Center V5.1 helps accelerate customer time-to-value and reduce significant total cost of ownership (TCO) by providing:

- Insights that offer advanced topology viewer, metrics for storage configurations, performance, and tiered capacity, and customizable Cognos-based reporting
- Performance that offers threshold and fault alerting for high availability
- Availability of the replication management software with the implementation of a high availability configuration, such that one management workstation runs as active standby ready to take over if there is failure on the active workstation
- Ability to practice disaster recovery operations without disrupting production environments
- Incremental FlashCopy® support for IBM System Storage SAN Volume Controller, which can reduce give-back operational cycles and enable businesses to focus on additional mission-critical strategies

IBM Tivoli Storage Productivity Center V5.1 products include:

- IBM Tivoli Storage Productivity Center V5.1
- IBM Tivoli Storage Productivity Center Select Edition V5.1

Tivoli Storage Productivity Center V5.1

Tivoli Storage Productivity Center V5.1 is designed to provide device management capabilities such as automated system discovery, provisioning, data replication, configuration, and performance monitoring for storage systems and storage networks. It helps storage administrators conduct device management for multiple storage arrays and Storage Area Network (SAN) fabric components from a single integrated console.

Tivoli Storage Productivity Center Select Edition V5.1

Tivoli Storage Productivity Center Select Edition V5.1 offers the same features as Tivoli Storage Productivity Center V5.1 but at attractive entry-level pricing for operations with smaller capacities. It is licensed per storage device, such as disk controllers and their respective expansion units. It may be a better option for small to medium businesses that need help to reduce the complexity of managing IBM System Storage DS3000, DS4000® and DS5000, IBM Storwize V7000, and IBM XIV Storage System devices by helping administrators configure, manage, replicate data, and monitor performance of their entire storage infrastructure from a single console.

Licensing Tivoli Storage Productivity Center for inactive storage (use case: replication)

With the convergence of Tivoli Storage Productivity Center for Replication software function into the Tivoli Storage Productivity Center V5.1 license, there are some of your deployments that will not necessarily need to license all terabytes of storage identified by Tivoli Storage Productivity Center as being managed under Tivoli Storage Productivity Center. This applies only to inactive or standby storage where you are not monitoring performance or provisioning storage via Tivoli Storage Productivity Center with that inactive data store. Some existing Tivoli Storage Productivity Center for Replication software product deployments fall into this category. Such deployments only need to license Tivoli Storage Productivity Center V5.1 for the storage at the primary (or active) data store (in replication terms, referred to as source data). For example, if you are managing your primary data of 100 terabytes (TB) with Tivoli Storage Productivity Center V5.1 and using the replication functionality to replicate 100 TB to another data store that is on standby for disaster recovery; and then that same data is replicated again to a third data store that is only on standby for disaster recovery, you need to license only 100 TB of Tivoli Storage Productivity Center V5.1 rather than 300 TB.

Migration from Tivoli Storage Productivity Center V4.x products to Tivoli Storage Productivity Center V5.x

With the introduction of Tivoli Storage Productivity Center V5.1, the current set of Tivoli Storage Productivity Center products have been converged into a simpler and smaller set of license options. Current Tivoli Storage Productivity Center product licensees are entitled one-to-one in quantity to one of the new Tivoli Storage Productivity Center V5.1 license offerings as described below. If you have software entitlement that is not in Passport Advantage®, the movement of entitlement may be initiated by you through your IBM representative with either new software license purchases or new software subscription and support renewals and reinstatements. If you have Tivoli Storage Productivity Center V4.x entitlement in Passport Advantage, effective immediately you will be converted automatically to the corresponding Tivoli Storage Productivity Center V5.x entitlement as described in this section. This change does not entitle you to any refunds for software licensing. Executing this change may also require you to transfer entitlement records, which are not currently in Passport Advantage, over to Passport Advantage.

There will be no conversion or exchange of terabyte values according to the capacity tiers in which they were originally purchased. The migration path for each Tivoli Storage Productivity Center V4.x product offering is described below. These

migration paths also apply to V3.x and prior Tivoli Storage Productivity Center offerings. You should contact your IBM representative if there is any discrepancy.

Products with a current charge metric of per server

Tivoli Storage Productivity Center Basic Edition V4.x (5608-WB1)

If you are currently using IBM Tivoli Storage Productivity Center Basic Edition V4.x (typically as part of an IBM System Storage Productivity Center installation), you will continue to have support for this product version and release. The first maintenance release of Tivoli Storage Productivity Center V5.1 will allow you to upgrade to the latest V5.x code build with the new user interface for IBM Tivoli Storage Productivity Center Basic Edition V4.x licensees. However, Tivoli Storage Productivity Center Basic Edition will not release with its own V5.1 product ID when V4.2 is withdrawn from marketing. After V4.x is withdrawn from marketing, new sales of Tivoli Storage Productivity Center Basic Edition will not be offered.

Products with a current charge metric of per storage device (enclosure)

Tivoli Storage Productivity Center for Disk Select (also called at one time Tivoli Storage Productivity Center for Disk Midrange Edition) (5608-E14)

If you are current on software subscription and support for Tivoli Storage Productivity Center for Disk Select (also called at one time Tivoli Storage Productivity Center for Disk Midrange Edition), you are entitled to the new Tivoli Storage Productivity Center Select Edition V5.x (5608-PC2) offering with a one-to-one mapping for each storage device entitlement purchased.

For example, a customer currently has a license for 10 storage devices of Tivoli Storage Productivity Center for Disk Select. That customer will show 10 storage devices of Tivoli Storage Productivity Center Select Edition V5.x (5608-PC2) in their entitlement after migration.

Tivoli Storage Productivity Center Select (5608-PCS)

Tivoli Storage Productivity Center Select was recently introduced to provide the functions of Tivoli Storage Productivity Center Standard Edition with a per storage device charge metric. If you already have Tivoli Storage Productivity Center Select (5608-PCS), you should contact your IBM representative to discuss migration options available to you.

Products with a current charge metric of per tiered terabyte (TB)

Tivoli Storage Productivity Center for Replication Two Site Business Continuity (5608-WB2) and Tivoli Storage Productivity Center for Replication Three Site Business Continuity (5608-WB3)

If you are current on software subscription and support for Tivoli Storage Productivity Center for Replication Two Site Business Continuity (5608-WB2) or Tivoli Storage Productivity Center for Replication Three Site Business Continuity (5608-WB3), you are entitled to the new Tivoli Storage Productivity Center Select Edition (5608-PC2) offering with a one-to-one mapping for each terabyte of entitlement purchased. Note the implications of the licensing direction given in the paragraph above for **Licensing Tivoli Storage Productivity Center for inactive storage (use case: replication)**.

Some examples are provided for clarity.

Example 1

A customer has 200 TB of storage managed by Tivoli Storage Productivity Center. 100 TB is at a primary data store and 100 TB at a secondary data store. Therefore, the Tivoli Storage Productivity Center for Replication Two Site Business Continuity license is for 100 TB. The customer only actively manages the primary data store (100 TB), and the secondary data store (100 TB) is inactive with its primary purpose

as standby storage in a disaster recovery scenario. The customer will be entitled to 100 TB of Tivoli Storage Productivity Center V5.1.

Example 2

A customer has 200 TB of storage managed by Tivoli Storage Productivity Center. 100 TB is at a primary data store and 100 TB at a secondary data store. Therefore, the Tivoli Storage Productivity Center for Replication Two Site Business Continuity license is for 100 TB. The customer activity manages and uses all 200 TB of data at both sites. The customer will be entitled to 100 TB of Tivoli Storage Productivity Center V5.1. Assuming the other 100 TB is actively managed under Tivoli Storage Productivity Center, the customer will need to purchase an additional 100 TB of Tivoli Storage Productivity Center V5.1.

Tivoli Storage Productivity Center for Disk (5608-WC4)

If you are current on software subscription and support for Tivoli Productivity Center for Disk, you are entitled to the new Tivoli Storage Productivity Center (5608-PC1) offering with a one-to-one mapping for each terabyte entitlement purchased.

For example, a customer currently has a license for 150 TB of Tivoli Storage Productivity Center for Disk that are distributed across multiple tiers (12 TB in tier one, 20 TB in tier two, 32 TB in tier three, 36 TB in tier four, and 50 TB in tier 5). That customer will show 150 TB (100 TB in tier one and 50 TB in tier two) of Tivoli Storage Productivity Center V5.x (5608-PC1) in their entitlement after migration.

Tivoli Storage Productivity Center Standard Edition (5608-WC0) and Tivoli Storage Productivity Center for Data (5608-WC3)

If you already have Tivoli Storage Productivity Center Standard Edition (5608-WC0) or Tivoli Storage Productivity Center for Data (5608-WC3), you should contact your IBM representative to discuss migration options available to you.

Accessibility by people with disabilities

A US 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

Statement of direction

IBM intends to release a new storage software offering that combines storage virtualization, storage resource management, and application aware snapshots. IBM also intends to provide enhancements to these capabilities that can generate recommendations, and enable automated movement and placement of data across storage systems based on policy and intelligent algorithms to better optimize for price, performance, and access needs across the storage environment.

IBM intends to adapt its advanced administration GUI to IBM Tivoli Storage Manager, simplifying administration. This intuitive GUI approach is already being used across the IBM storage portfolio of software and systems: Tivoli Storage Productivity Center, IBM System Storage SAN Volume Controller, IBM XIV Storage System, IBM Storwize V7000 Unified, and IBM Scale Out Network Attached Storage (SONAS). Customers can leverage this user interface consistency to simplify the management of various systems within their data center such as unified recovery, enterprise storage administration, and individual storage systems.

IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice at IBM's sole discretion. Information regarding potential future products is intended to outline our general product direction and it should not be relied on in making a purchasing decision. The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. Information about potential future products

may not be incorporated into any contract. The development, release, and timing of any future features or functionality described for our products remains at our sole discretion.

Program number

Program number	VRM	Program name
5608-PC1	5.1	IBM Tivoli Storage Productivity Center
5725-F93	5.1	IBM Tivoli Storage Productivity Center (for Passport Advantage)
5608-PC2	5.1	IBM Tivoli Storage Productivity Center Select Edition
5725-G33	5.1	IBM Tivoli Storage Productivity Center Select Edition (for Passport Advantage)

Product identification number

Program PID number	5608-PC1	SW Subscription and Support 1 year PID Registration (Reg)
		5608-B15
		SW Subscription and Support 2 year Reg PID number
		5608-B16
		SW Subscription and Support 3 year Reg PID number
		5608-B17
		SW Subscription and Support 4 year Reg PID number
		5608-B18
		SW Subscription and Support 5 year Reg PID number
		5608-B19
Program PID number	5608-PC2	SW Subscription and Support 1 year Reg PID number
		5608-B20
		SW Subscription and Support 2 year Reg PID number
		5608-B21
		SW Subscription and Support 3 year Reg PID number
		5608-B22
		SW Subscription and Support 4 year Reg PID number

5608-B23

SW Subscription and
Support
5 year Reg PID number

5608-B24

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 website

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

Also, visit the Passport Advantage website

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

Publications

The publications listed below will be available in English and can be downloaded from the following website on the general availability date. Translated copies in selected languages will be available for download within 30 days of the general availability date. The one exception is that English and translated copies of the IBM Tivoli Storage Productivity Center V5.1 Problem Determination Guide (SC27-4051) will be available for download from the website within six weeks following the general availability date.

<http://publib.boulder.ibm.com/infocenter/tivihelp/v59r1/index.jsp>

Title	Order number
IBM Tivoli Storage Productivity Center V5.1 Installation and Configuration Guide	SC27-4047
IBM Tivoli Storage Productivity Center V5.1 User's Guide	SC27-4048
IBM Tivoli Storage Productivity Center V5.1 Messages	SC27-4049
IBM Tivoli Storage Productivity Center V5.1 Command-Line Interface Reference	SC27-4050
IBM Tivoli Storage Productivity Center V5.1 Problem Determination Guide	SC27-4051

The IBM Publications Center

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

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

Specified operating environment

Hardware and software requirements

Server and standalone Graphical User Interface (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:
 - Microsoft™ Windows 2008 (Standard Edition, Enterprise Edition) (32 bit or 64 bit)
 - Windows 2008 R2 64-bit only (Standard Edition, Enterprise Edition)
 - Red Hat Enterprise Linux (RHEL) Base Server and Advanced Platform 5 (64 bit - compatibility mode)
 - RHEL Base Server and Advanced Platform 6 (64 bit - compatibility mode) (Refer to Note 1.)
 - As a virtual machine on VMWare ESX and ESXi 3.0.x, 3.5.x, 4.0.x, 4.1.x for the above operating systems

For IBM AIX® on System i® and System p® :

- Machine: Dual POWER5, POWER6® , POWER7® processor
- Minimum space requirement to run:
 - 8 GB of RAM
 - Approximately 80 GB of hard disk space
- Operating system:
 - AIX V6.1
 - AIX V7.1

Supported Relational Database Management Systems (RDBMSs) for the Enterprise Repository (Refer to Note 2.):

- IBM DB2® UDB V9.5 Fix Pack 4, or later Fix Packs, except Fix Pack 6
- IBM DB2 UDB V9.7 Fix Pack 4, or later Fix Packs

Storage resource agent

For Windows and Linux on Intel :

- Machine: Pentium™ 400 MHz processor, or later
- 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 Release 2 (R2)
 - Windows 2003 Standard Edition (64 bit) and R2 - (compatibility mode)
 - Windows 2003 Data Center Edition (32 bit) and R2
 - Windows 2003 Data Center 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)
- Windows 2008 R2 (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 Server 5.0 (32 bit) or (64 bit - compatibility mode)
- RHEL Advanced Server 6.0 (32 bit) or (64 bit - compatibility mode)
- RHEL Enterprise Server 6.0 (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)
- SUSE Linux Enterprise Server 11 (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) or (64 bit - compatibility mode)
 - 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 V6.1 (64 bit - compatibility mode)
 - AIX V7.1 (64 bit - compatibility mode)
 - AIX Virtual I/O (VIO) Server 2.2.1.0, or later
 - RHEL Base Server and Advanced Platform 4.0 (32 bit) or (64 bit - compatibility mode)
 - RHEL Base Server and Advanced Platform 5.0 (64 bit - compatibility mode)
 - RHEL Base Server and Advanced Platform 6.0 (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)
 - SUSE Linux Enterprise Server 11 (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 Base Server and Advanced Platform 4.0 (31 bit)
 - RHEL Base Server and Advanced Platform 5.0 (31 bit)
 - RHEL Base Server and Advanced Platform 6.0 (31 bit)
 - SUSE Linux Enterprise Server 9 (31 bit)
 - SUSE Linux Enterprise Server 10 (31 bit)

- SUSE Linux Enterprise Server 11 (31 bit)

For VMWare ESX 3.0.x, 3.5.x, 4.0.x, 4.1.x:

- Guest operating systems - one of the following:
 - RHEL Advanced Server 4.0 x86
 - RHEL 5 x86
 - RHEL 6.0 x86
 - SUSE Linux Enterprise Server 9 x86
 - SUSE Linux Enterprise Server 10 x86
 - SUSE Linux Enterprise Server 11 x86
 - Windows 2003 x86
 - Windows 2008 x86
- RDBMSs managed:
 - IBM DB2 UDB V9.1 with Fix Pack 2, or later
 - IBM DB2 UDB V9.5 with Fix Pack 3a, or later
 - IBM 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 V5.1 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 V5.1 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.

Standalone client and command line interface (CLI) - 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 V5.1 products. NAS filers must be configured as a member of a Windows domain.

Installability

For AIX and Linux x86, the Tivoli Storage Productivity Center V5.1 database is automatically upgraded during the installation of the Tivoli Storage Productivity Center V5.1 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 Tivoli Storage Productivity Center V5.1 code, as well as after completing the installation.

As part of a migration plan from previous IBM Tivoli Storage 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 Tivoli Storage Productivity Center V5.1.

Notes

Note 1: On RHEL 6, a multi-server installation will be needed because the Tivoli Integrated Portal and Tivoli Common Reporting component can not be installed on RHEL 6.

Note 2: Support for IBM DB2 itself varies across different operating systems and hardware platforms. IBM DB2 9.5 and 9.7 require 64-bit kernel on Linux and AIX operating systems.

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.

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. 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 V5.1 products are distributed with:

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

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

Security, auditability, and control

Tivoli Storage Productivity Center V5.1 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 and pricing examples

Licensing metric definitions

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. Licensee must obtain entitlements for every Storage Device that 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, licensee must obtain entitlements for this program sufficient to cover the Storage Devices managed by the program.

Tiered Terabytes (1-100), (101-250), (251-500), (501-750), (751-1,250), (1,251- 2,000), (2,001+)

Terabyte (1-100), Terabyte (101-250), Terabyte (251-500), Terabyte (501-750), Terabyte (751-1,250), Terabyte (1,251-2,000), and Terabyte (2,001+) 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.

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. The storage managed is the total allocated size of all volumes managed by the program.

Pricing examples

IBM Tivoli Storage Productivity Center Select Edition V5.1

IBM Tivoli Storage Productivity Center Select Edition V5.1 is licensed per Storage Device.

The customer environment consists of an IBM Tivoli Storage Productivity Center Select Edition storage system containing:

- One control enclosure
- Three expansion enclosures

Note: To authorize IBM Tivoli Storage Productivity Center Select Edition for this configuration, you need a license for IBM Tivoli Storage Productivity Center Select Edition for a quantity of four enclosures.

Quantity of enclosure entitlements required	Tivoli Storage Productivity Center Select system	Total
Tivoli Storage Productivity Center Select Edition	4	4

IBM Tivoli Storage Productivity Center V5.1

Tivoli Storage Productivity Center V5.1 uses a tiered terabyte (TB) pricing model. The model consists of seven tiers that are to be used cumulatively. All tiers must be used in order (begin with the first tier and move on to the second tier, and so on) to arrive at the desired total amount of TB.

Based on the actual TB tiers, the following example is an illustration, using variables for prices, that shows how to calculate the prices:

Tier TB range (actual)	\$K/TB
1-100	x
101-250	y
251-500	z
501-750	a
751-1,250	b
1,251-2,000	c
2,001+	d

Total TB ordered	How it is charged
50 TB	$(x * 50 \text{ TB})$
150 TB	$(x * 100 \text{ TB}) + (y * 50 \text{ TB})$
500 TB	$(x * 100 \text{ TB}) + (y * 150 \text{ TB}) + (z * 250 \text{ TB})$
1,200 TB	$(x * 100 \text{ TB}) + (y * 150 \text{ TB}) + (z * 250 \text{ TB}) + (a * 250 \text{ TB}) + (b * 450 \text{ TB})$
1,800 TB	$(x * 100 \text{ TB}) + (y * 150 \text{ TB}) + (z * 250 \text{ TB}) + (a * 250 \text{ TB}) + (b * 500 \text{ TB}) + (c * 550 \text{ TB})$
2,500 TB	$(x * 100 \text{ TB}) + (y * 150 \text{ TB}) + (z * 250 \text{ TB}) + (a * 250 \text{ TB}) + (b * 500 \text{ TB}) + (c * 750 \text{ TB}) + (d * 500 \text{ TB})$

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 description	PID number
IBM Tivoli Storage Productivity Center (for Passport Advantage)	5725-F93

IBM Tivoli Storage Productivity Center	5608-PC1
IBM Tivoli Storage Productivity Center Select Edition (for Passport Advantage)	5725-G33
IBM Tivoli Storage Productivity Center Select Edition	5608-PC2

Passport Advantage customer: Media pack entitlement details

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

Entitled maintenance offerings description	Part number
IBM Tivoli Storage Productivity Center Select Edition V5.1 MEDIAPACK, ML, MPLAT	BJ114ML
IBM Tivoli Storage Productivity Center V5.1 MEDIAPACK, ML, MPLAT	
TPC Terabyte 1-100	BJ113ML
TPC Terabyte 101-250	BJ113ML
TPC Terabyte 251-500	BJ113ML
TPC Terabyte 501-750	BJ113ML
TPC Terabyte 751-1,250	BJ113ML
TPC Terabyte 1,251-2,000	BJ113ML
TPC Terabyte 2,001+	BJ113ML

Current licensees

New licensees

Orders for new licenses will be accepted now.

Shipment will begin on the planned availability date.

Basic license

Ordering information for Passport Advantage

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

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

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

Description	Part number
IBM Tivoli Storage Productivity Center Select Edition	
Per Storage Device	
License and SW S&S 12 Months	D0PYMLL
Annual SW S&S Renewal	E0DWFL

SW S&S Reinstatement 12 Months	D0PYNLL
IBM Tivoli Storage Productivity Center	
Per Terabyte (1-100) License and SW S&S 12 Months	D0PXWLL
Per Terabyte (1-100) Annual SW S&S Renewal	E0DW2LL
Per Terabyte (1-100) SW S&S Reinstatement 12 Months	D0PXXLL
Per Terabyte (101-250) License and SW S&S 12 Months	D0PXYLL
Per Terabyte (101-250) Annual SW S&S Renewal	E0DW3LL
Per Terabyte (101-250) SW S&S Reinstatement 12 Months	D0PXZLL
Per Terabyte (251-500) License and SW S&S 12 Months	D0PY0LL
Per Terabyte (251-500) Annual SW S&S Renewal	E0DW4LL
Per Terabyte (251-500) SW S&S Reinstatement 12 Months	D0PY1LL
Per Terabyte (501-750) License and SW S&S 12 Months	D0PY2LL
Per Terabyte (501-750) Annual SW S&S Renewal	E0DW5LL
Per Terabyte (501-750) SW S&S Reinstatement 12 Months	D0PY3LL
Per Terabyte (751-1,250) License and SW S&S 12 Months	D0PY4LL
Per Terabyte (751-1,250) Annual SW S&S Renewal	E0DW6LL
Per Terabyte (751-1,250) SW S&S Reinstatement 12 Months	D0PY5LL
Per Terabyte (1,251-2,000) License and SW S&S 12 Months	D0PY6LL
Per Terabyte (1,251-2,000) Annual SW S&S Renewal	E0DW7LL
Per Terabyte (1,251-2,000) SW S&S Reinstatement 12 Months	D0PY7LL
Per Terabyte (2,001+) License and SW S&S 12 Months	D0PY8LL
Per Terabyte (2,001+) Annual SW S&S Renewal	E0DW8LL
Per Terabyte (2,001+) SW S&S Reinstatement 12 Months	D0PY9LL

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 select Edition V5.1 DVD media pack - multilingual	BJ114ML
IBM Tivoli Storage Productivity Center V5.1 DVD media pack - multilingual	BJ113ML

The above products are also available via web download from Passport Advantage .

Ordering information for 5608-PC1 and 5608-PC2

Order handling

IBM Tivoli Storage Productivity Center V5.1 (5608-PC1) and IBM Tivoli Storage Productivity Center Select Edition V5.1 (5608-PC2) may be ordered through existing channels using the existing configurator and ordering tools. However, the fulfillment

processes have been modified to improve customer records management associated with Software Subscription and Support (SW S&S), often referred to as Software Maintenance. SW S&S will be entitled through Passport Advantage or Passport Advantage Express .

5608-PC1 and 5608-PC2, when selected during configuration process with each hardware system, will be enabled for electronic download for the system unit for which the product was ordered. Optionally, software and license only configurations can be created for 5608-PC1 and 5608-PC2 based on existing supported hardware system units in your business environment. 5608-PC1 and 5608-PC2 are available exclusively via electronic download.

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

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

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

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

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

Product number	Product name	Feature number Qty 1	Feature number Qty 250
5608-PC2	IBM Tivoli Storage Productivity Center Select Edition V5.1	0001	0002
	Per storage device		

Product number	Product name	Feature number
5608-PC1	IBM Tivoli Storage Productivity Center V5.1	
	Per Terabyte (1-100) with 1 Year SW S&S	0001
	Per Terabyte (101-250) with 1 Year SW S&S	0002
	Per Terabyte (251-500) with 1 Year SW S&S	0003
	Per Terabyte (501-750) with 1 Year SW S&S	0004
	Per Terabyte (751-1,250) with 1 Year SW S&S	0005
	Per Terabyte (1,251-2,000) with 1 Year SW S&S	0006
	Per Terabyte (2,001+) with 1 Year SW S&S	0007

Software Subscription and Support (SW S&S)

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

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

IBM Tivoli Storage Productivity Center Select Edition

SW S&S PID 1 Year: 5608-B20

Description	Feature number Qty 1	Feature number Qty 250
Per storage device: SW S&S 1 Year No Charge Registration	0001	0002

SW S&S PID 2 Year: 5608-B21

Description	Feature number Qty 1	Feature number Qty 250
Per storage device: SW S&S 2 Year Registration	0001	0002

SW S&S PID 3 Year: 5608-B22

Description	Feature number Qty 1	Feature number Qty 250
Per storage device: SW S&S 3 Year Registration	0001	0002

SW S&S PID 4 Year: 5608-B23

Description	Feature number Qty 1	Feature number Qty 250
Per storage device: SW S&S 4 Year Registration	0001	0002

SW S&S PID 5 Year: 5608-B24

Description	Feature number Qty 1	Feature number Qty 250
Per storage device: SW S&S 5 Year Registration	0001	0002

IBM Tivoli Storage Productivity Center

SW S&S PID 1 Year: 5608-B15

Description	Feature number
Per Terabyte (1-100)	
-- SW S&S 1 Year No Charge Registration	0001
Per Terabyte (101-250)	
-- SW S&S 1 Year No Charge Registration	0002
Per Terabyte (251-500)	
-- SW S&S 1 Year No Charge Registration	0003
Per Terabyte (501-750)	
-- SW S&S 1 Year No Charge Registration	0004
Per Terabyte (751-1,250)	
-- SW S&S 1 Year No Charge Registration	0005
Per Terabyte (1,251-2,000)	
-- SW S&S 1 Year No Charge Registration	0006
Per Terabyte (2,001+)	
-- SW S&S 1 Year No Charge Registration	0007

SW S&S PID 2 Year: 5608-B16

Description	Feature number
Per Terabyte (1-100)	
-- SW S&S 2 Year Registration	0001
Per Terabyte (101-250)	
-- SW S&S 2 Year Registration	0002
Per Terabyte (251-500)	
-- SW S&S 2 Year Registration	0003
Per Terabyte (501-750)	
-- SW S&S 2 Year Registration	0004
Per Terabyte (751-1,250)	
-- SW S&S 2 Year Registration	0005
Per Terabyte (1,251-2,000)	
-- SW S&S 2 Year Registration	0006
Per Terabyte (2,001+)	
-- SW S&S 2 Year Registration	0007

SW S&S PID 3 Year: 5608-B17

Description	Feature number
Per Terabyte (1-100)	
-- SW S&S 3 Year Registration	0001
Per Terabyte (101-250)	
-- SW S&S 3 Year Registration	0002
Per Terabyte (251-500)	
-- SW S&S 3 Year Registration	0003
Per Terabyte (501-750)	
-- SW S&S 3 Year Registration	0004
Per Terabyte (751-1,250)	
-- SW S&S 3 Year Registration	0005
Per Terabyte (1,251-2,000)	
-- SW S&S 3 Year Registration	0006
Per Terabyte (2,001+)	
-- SW S&S 3 Year Registration	0007

SW S&S PID 4 Year: 5608-B18

Description	Feature number
Per Terabyte (1-100)	
-- SW S&S 4 Year Registration	0001
Per Terabyte (101-250)	
-- SW S&S 4 Year Registration	0002
Per Terabyte (251-500)	
-- SW S&S 4 Year Registration	0003
Per Terabyte (501-750)	
-- SW S&S 4 Year Registration	0004
Per Terabyte (751-1,250)	
-- SW S&S 4 Year Registration	0005
Per Terabyte (1,251-2,000)	
-- SW S&S 4 Year Registration	0006
Per Terabyte (2,001+)	
-- SW S&S 4 Year Registration	0007

SW S&S PID 5 Year: 5608-B19

Description	Feature number
Per Terabyte (1-100)	
-- SW S&S 5 Year Registration	0001
Per Terabyte (101-250)	
-- SW S&S 5 Year Registration	0002
Per Terabyte (251-500)	

-- SW S&S 5 Year Registration Per Terabyte (501-750)	0003
-- SW S&S 5 Year Registration Per Terabyte (751-1.250)	0004
-- SW S&S 5 Year Registration Per Terabyte (1,251-2,000)	0005
-- SW S&S 5 Year Registration Per Terabyte (2,001+)	0006
-- SW S&S 5 Year Registration	0007

Subscription and Support

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

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

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

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

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

Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

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

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use. Part number products only, offered outside of Passport Advantage , where applicable, are license only and do not include Software Maintenance.

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

Agreement for Acquisition of Software Maintenance

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) agreement applies for Subscription and Support (also referred to as Software Maintenance) and does not require customer signatures.

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support (also referred to

as Software Maintenance) can be extended by the purchase of a renewal option, if available. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

License Information form number

L-JSHW-8SDPY2.

The program's License Information will be available for review on the IBM Software License Agreement website

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

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the IBM Software Support Handbook found at

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

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Program technical support

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

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Other terms**Volume orders (IVO)**

No

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

Yes, and through the Passport Advantage website at

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

Usage restriction

Yes. Usage is limited to the quantity of storage devices and terabytes licensed.

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

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

Software Subscription and Support applies

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

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

While your Software Subscription and Support is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance via telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, every day of the year. For additional details, consult your IBM Software Support Handbook at

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

Software Subscription and Support does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under this agreement.

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

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

All distributed software licenses include Software Subscription and Support for a period of 12 months from the date of acquisition, providing a streamlined way to acquire IBM software and assure technical support coverage for all licenses. Extending coverage, for a total of three years from date of acquisition, may be elected.

Variable charges apply

No

Educational allowance available

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

Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated, or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

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IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

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The Electronic Service Agent™ is no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

To learn how Electronic Services can work for you, visit

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

Prices

Information on charges is available at website

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

In the Electronic tools category, select the option for Purchase/upgrade tools.

Passport Advantage

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

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

Business Partner information

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

<https://www.ibm.com/software/howtobuy/passportadvantage/paoreseller>

Authorization to resell IBM software products is achieved at the Reseller Authorization group level. You must be authorized in the Tivoli Storage Group to sell this product. To register an opportunity for this product in the Global Partner Portal, you may use Product Family - Software: Tivoli Storage. For information on how to become an Authorized Business Partner in IBM Software Value Plus, visit website

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

Order now

To order, contact your local IBM representative or your IBM Business Partner.

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Phone: 800-IBM-CALL (426-2255)
Fax: 800-2IBM-FAX (242-6329)
For IBM representative: callserv@ca.ibm.com

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

Mail: IBM Teleweb Customer Support
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3500 Steeles Ave. East, Tower 3/4
Markham, Ontario
Canada L3R 2Z1

Reference: YE001

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

Note: Shipments will begin after the planned availability date.

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