



IBM TotalStorage Productivity Center for System z V3.3: Providing System z-based replication management for improved business continuity

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At a glance

IBM Total Storage Productivity Center for Replication for System z V3.3 provides:

- Volume protection to exclude any volumes from being used for disaster protection copy operations
- Command prompting to confirm storage administrator actions prior to executing the copy services commands
- User roles for administrative levels of access
- Site awareness to indicate site locations of the storage volumes and help assure copies are done correctly
- Metro Global Mirror support for the DS8000, providing failover and failback support, fast re-establishment of three-site mirroring, quick re-synchronization of mirrored sites using incremental changes only, and data currency at the remote site
- Support for FICON and TCP/IP communications
- Graphical user interface (GUI) for System z storage management

For ordering, contact:

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

800-IBM-CALL Reference: LE001

Overview

The IBM TotalStorage® Productivity Center for Replication V3.3 family is designed to manage the advanced copy services provided by IBM Enterprise Storage Server™ (ESS) Model 800, IBM System Storage™ DS8000, and IBM System Storage DS6000. IBM TotalStorage Productivity Center for Replication for System z™, a new addition to the TotalStorage Productivity Center for Replication family, provides advanced copy services support for System z customers.

TotalStorage Productivity Center for Replication for System z provides all the functions as the three TotalStorage Productivity Center for Replication open systems products. It is packaged to run on System z, using a mixture of FICON™ and TCP/IP communications, to provide replication management of DS8000, DS6000, and ESS 800, regardless of type of data on them (ECKD™ or FBA). The Two Site BC and Three Site BC products are functionally equivalent to the two priced optional features of TotalStorage Productivity Center for Replication for System z V3.3.

IBM TotalStorage Productivity Center for Replication V3.3 has enhancements designed to:

- Improve Recovery Point Objective reporting for advanced copy services that will show the amount of data exposure at the disaster recovery site.
- Improve reporting on the total amount of terabytes (TBs) to be copied at the source site.
- Improve operations support with site awareness, overwrite protection, and improved monitoring and messages. Administrator roles have also been added.

IBM TotalStorage Productivity Center for Replication Three Site BC is an addition to the TotalStorage Productivity Center for Replication family V3.3. The Three Site BC optional feature provides:

- Support for three-site IBM DS8000 Metro Global Mirror configurations.
- Disaster recovery configurations that can be set up to indicate copy type (Flashcopy, Metro Mirror, Global Mirror) and the number of separate copies and sites to be involved.

Key prerequisites

Refer to Hardware and software requirements sections.

Planned availability date

May 18, 2007

Description

Integration for usability

IBM TotalStorage Productivity Center for Replication for System z is designed to support hundreds of replication sessions across thousands of volumes and supports both open and z/OS®-attached volumes. IBM TotalStorage Productivity Center for Replication has added support for three-site copy services, for DS8000 customers, utilizing Metro Global Mirror. IBM TotalStorage Productivity Center for Replication has the following usability enhancements:

- Support to warn the operator prior to executing any copy services commands
- The storage administrator can protect volumes from being included in copy operations
- Ability to indicate site locations for volumes, to help prevent accidentally copying in the wrong direction

IBM TotalStorage Productivity Center for Replication has added administrator roles, administrator, operator, and monitor, using local operating system authentication.

Performance management

IBM TotalStorage Productivity Center for Replication for System z is designed to monitor the performance of all copy session types to report on the amount of data exposed at the disaster recovery site (not in synchronization with the source site). The total amount of TBs managed by TotalStorage Productivity Center for Replication for System z is also reported.

Business continuity

TotalStorage Productivity Center for Replication for System z is designed to scale to many thousands of volumes, providing the capability to freeze and run within a Metro Mirror environment, and provides FlashCopy® Establish for FlashCopy operations with minimum application impact. The TotalStorage Productivity Center for Replication for System z optional feature for Three Site BC provides three-site recovery management, supporting DS8000 Metro Global Mirror. TotalStorage Productivity Center for Replication Three Site BC is designed to support fast failover and failback, fast re-establishment of three-site mirroring, data currency at the remote site with minimal lag behind the local site, and quick re-synchronization of mirrored sites using incremental changes only.

The TotalStorage Productivity Center for Replication Manager provides command line interfaces for all of its tasks to enable automation via scripts or workflows for advanced copy services.

Accessibility by people with disabilities

You can request a U.S. Section 508 Voluntary Product Accessibility Template (VAPT) with details on accessibility compliance at

http://www-3.ibm.com/able/product_accessibility/index.html

Section 508 of the U.S. Rehabilitation Act

IBM TotalStorage Productivity Center for Replication for System z is capable, as of May 18, 2007, when used in accordance with IBM's associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) can be requested via IBM's Web site

http://www-3.ibm.com/able/product_accessibility/index.html

Product positioning

IBM TotalStorage Productivity Center for Replication for System z V3.3 offers the Three Site BC optional feature, which provides administration and management for Metro Global Mirror support for the DS8000. If you have purchased the Metro Global Mirror features, you should consider the TotalStorage Productivity Center for Replication for System z optional Three Site BC feature, to provide simplified and automated administration, operation, and management of these advanced copy services.

Reference information

For information on IBM TotalStorage Productivity Center for Replication V3.3 (distributed platforms), refer to Software Announcement [207-073](#), dated April 18, 2007.

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld ID and password are required (use IBM ID).

BP Attachment for Announcement Letter 207-074

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=207-074>

Trademarks

Enterprise Storage Server, System Storage, System z, FICON, and ECKD are trademarks of International Business Machines Corporation in the United States or other countries or both.

TotalStorage, z/OS, and FlashCopy are registered trademarks of International Business Machines Corporation in the United States or other countries or both.

Other company, product, and service names may be trademarks or service marks of others.

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

Publications

No hardcopy publications are shipped with these programs.

The following publications can be ordered after May 18, 2007.

Note that the primary document for installing IBM TotalStorage® Productivity Center for Replication for System z™ V3.3 is the Program Directory, which is included in the product package. The user documents listed here are for the open-systems version of TotalStorage Productivity Center for Replication (Windows™, AIX®, Linux™), and are available as supplemental documents that describe the functions and features of TotalStorage Productivity Center for Replication.

Title	Order number
IBM TotalStorage Productivity Center for Replication V3.3 Installation and Configuration Guide	SC32-0102
IBM TotalStorage Productivity Center for Replication V3.3 User's Guide	SC32-0103
IBM TotalStorage Productivity Center for Replication V3.3 Command-Line Interface User's Guide	SC32-0104
IBM TotalStorage Productivity Center for Replication V3.3 Problem Determination Guide	GI 11-8060

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.

News of many publications may be subscribed to via Mysupport.

<https://www-1.ibm.com/support/mysupport/us/en/?OpenDocument>

Technical information

Specified operating environment

Hardware and software requirements: TotalStorage Productivity Manager for Replication for z/OS® server requires the following hardware and software:

- Machine: System z architecture CPU
- Minimum disk space requirement to run: refer to the product README file
- Operating system: z/OS V1.6, or later
- SMP/E
- DB2® V8.1
- WebSphere® V6.1
- TCP/IP connection to manage storage systems

- DFSMSsdrm APAR OA18953

Companion products: IBM TotalStorage Productivity Center for Replication for System z V3.3 is available via AAS, as priced software offerings. Due to the importance of the management capabilities and graphical user interface (GUI) of IBM TotalStorage Productivity Center for Replication for the storage platforms, it is recommended that TotalStorage Productivity Center for Replication for System z is included in all orders of:

- IBM DS8000, IBM DS6000, and ESS 800 that include the advanced copy function, FlashCopy®, or Metro Mirror
- IBM DS8000, IBM DS6000, and ESS 800 that include Global Mirror

The TotalStorage Productivity Center for Replication for System z optional Three Site BC feature is highly recommended if you're implementing Metro Global Mirror solutions.

Performance considerations: IBM TotalStorage Productivity Center for Replication for System z performance will vary depending upon a customer's particular configuration and customization.

Direct customer support: Direct customer support is provided by IBM Operational Support Services — SoftwareXcel. This fee service enhances your productivity by providing voice and electronic access into the IBM support organization. IBM Operational Support Services — SoftwareXcel helps answer questions pertaining to usage and suspected software defects for eligible products.

Installation and technical support is provided by Global Services. For more information call 800-IBM-4YOU (426-4968).

For technical support or assistance, contact your IBM representative or visit

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

Packaging: IBM TotalStorage Productivity Center for Replication for System z is distributed with:

- International Program License Agreement (Z125-3301)
- License Information document
- Product tapes
- IBM TotalStorage Productivity Center for Replication on System z Program Directory (GI11-7963)

Security, auditability, and control

IBM TotalStorage Productivity Center for Replication for System z uses 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 unmatched portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support any critical business need.

To learn more about IBM Software Services or to contact a Software Services sales specialist, visit

<http://www.ibm.com/software/sw-services/>

IBM Tivoli Enhanced Value-Based Pricing

The IBM TotalStorage Productivity Center products are priced using a managed-environment

approach whereby price is determined by the amount of storage capacity under management rather than the number and type of product components installed.

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

Value-Based Pricing terminology definitions

IBM TotalStorage Productivity Center terabyte (TB) capacity

A terabyte capacity is each individual terabyte of storage capacity managed by the IBM TotalStorage Productivity Center products. Managed capacity for IBM TotalStorage Productivity Center for Replication includes both the source and target devices.

Terabyte

One terabyte of managed storage; (T/TB) = 2 raised to the power of 40 bytes = 1,099,511,627,776 bytes, or approximately a trillion bytes.

Value Units

A Value Unit is a pricing charge metric for program license entitlements which is based upon the quantity of a specific designated measurement used for a given program. Each program has a designated measurement. The most commonly used designated measurements are processor cores and MSUs. However, for select programs, there are other designated measurements such as servers, users, client devices, and messages. The number of Value Unit entitlements required for your specific implementation of the given program must be obtained from a conversion table associated with the program. You must obtain a Proof of Entitlement (PoE) for the appropriate number of Value Unit entitlements for your implementation. The Value Unit entitlements of a given program cannot be exchanged, interchanged, or aggregated with Value Unit entitlements of another program.

Product and licensing Web Sites

A complete list of IBM Tivoli products is available at Web site

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

IBM Tivoli product licensing documents are available at Web site

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

Pricing examples

VUE027 terabyte-based scaling definitions for System z

Usage level, cumulative	Minimum	Maximum	Value Units/ Terabyte
Tier 1	1	12	1.0000
Tier 2	13	32	0.8455
Tier 3	33	64	0.6137
Tier 4	65	100	0.4639
Tier 5	101	250	0.3870
Tier 6	250+		0.3097

Notes:

- It is not possible to order a number of TBs for each of the optional Two Site and Three Site optional features that exceeds the number of TBs ordered for the base product.
- The base product is a prerequisite for both the Two Site and Three Site optional features, and the Two Site feature is a prerequisite for the Three Site feature.

Scenario 1: Customer wants to manage 5 TB of storage capacity with IBM TotalStorage Productivity Center for Replication for System z, using either Flash Copy or Metro Mirror:

Systems managed	TB quantity in customer environment	TB entitlements required
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5 TB of IBM Total Storage Productivity Center for Replication for System z	5 TB	5 TB of IBM Total Storage Productivity Center for Replication for System z
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Scenario 2: Customer wants to manage 5 TB of storage capacity with IBM TotalStorage Productivity Center for Replication for System z, using Global Mirror:

Systems managed	TB quantity in customer environment	TB entitlements required
5 TB of IBM Total Storage Productivity Center for Replication for System z	5 TB	5 TB of IBM Total Storage Productivity Center for Replication for System z

Scenario 3: Customer wants to manage 5 TB of storage capacity with IBM TotalStorage Productivity Center for Replication for System z and 5 TB with the Two Site BC optional feature:

Systems managed	TB quantity in customer environment	TB entitlements required
5 TB of IBM Total Storage Productivity Center for Replication for System z	5 TB	5 TB of IBM Total Storage Productivity Center for Replication for System z
5 TB of IBM Total Storage Productivity Center for Replication for System z Two Site BC feature	5 TB	5 TB of IBM Total Storage Productivity Center for Replication for System z Two Site BC feature

Scenario 4: Customer now also wants to manage 5 TB with TotalStorage Productivity Center for Replication for System z optional Three Site feature (note the Two Site BC feature is a prerequisite of the Three Site BC feature):

Systems managed	TB quantity in customer environment	TB entitlements required
5 TB of IBM Total Storage Productivity Center for Replication for System z	5 TB	5 TB of IBM Total Storage Productivity Center for Replication for System z
5 TB of IBM Total Storage Productivity Center for Replication Two Site BC feature	5 TB	5 TB of IBM Total Storage Productivity Center for Replication Two Site BC feature
5 TB of IBM Total Storage Productivity Center for Replication Three Site BC feature	5 TB	5 TB of IBM Total Storage Productivity Center for Replication Three Site BC feature

Scenario 5: Customer wants to add license for 20 more TB to their existing license of 30 TB for

TotalStorage Productivity Center for Replication for System z:

Systems managed	TB quantity in customer environment	Additional TB entitlements required
50 TB of IBM Total Storage Productivity Center for Replication for System z	50 TB	20 TB of IBM Total Storage Productivity Center for Replication for System z 2 TB in 2nd tier; 18 TB in 3rd tier

Ordering information

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

Program number	Program name	Value Unit exhibit
5698-TPC	Total Storage Productivity Center for System z	VUE027

For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the **required license capacity**. Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full capacity or sub capacity

Ordering z/OS through the Internet

ShopzSeries provides an easy way to plan and order your z/OS ServerPac or CBPDO. It will analyze your current installation, determine the correct product migration, and present your new configuration based on z/OS. Additional products can also be added to your order (including determination of whether all product requisites are satisfied). ShopzSeries is available in the U.S. and several countries in Europe. In countries where ShopzSeries is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the ShopzSeries Web site at

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

New licensees

Orders for new licenses will be accepted now.

Shipment will begin on the planned availability date.

Basic license

Ordering information for 5698-TPC System z offerings

VUE027 terabyte-based scaling definitions for System z

Usage level, cumulative	Minimum	Maximum	Value Units/Terabyte
Tier 1	1	12	1.0000
Tier 2	13	32	0.8455
Tier 3	33	64	0.6137
Tier 4	65	100	0.4639
Tier 5	101	250	0.3870

To order, specify the program product number and the appropriate license or charge option. Also, specify the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

Program name: TotalStorage Productivity Center for Replication for System z

Program PID: 5698-TPC

Entitlement identifier	Description	License option/ Pricing metric
S0140FZ	TotalStorage Productivity Center for Replication for System z	Basic OTC, per Value Unit

Orderable supply ID	Language	Distribution medium
S0140G2	Multilingual	Tape

Entitlement identifier	Description	License option/ Pricing metric
S0140G6	TotalStorage Productivity Center for Replication for System z Two Site BC	Basic OTC, per Value Unit

Orderable supply ID	Language	Distribution medium
S0140G4	Multilingual	Tape

Entitlement identifier	Description	License option/ Pricing metric
S0140G9	TotalStorage Productivity Center for Replication for System z Three Site BC	Basic OTC, per Value Unit

Orderable supply ID	Language	Distribution medium
S0140G8	Multilingual	Tape

Subscription and Support PID: 5698-S1A

Entitlement identifier	Description	License option/ Pricing metric
S0140WG	TotalStorage Productivity Center for Replication for System z	Basic ALC, per Value Unit SW S&S no charge, decline SW S&S

Orderable supply ID	Language	Distribution medium
S0144F5	Multilingual	Hardcopy publication

Entitlement identifier	Description	License option/ Pricing metric
S0140WX	TotalStorage Productivity Center for Replication for System z Two Site BC	Basic ALC, per Value Unit SW S&S no charge, decline SW S&S

Orderable supply ID	Language	Distribution medium
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Entitlement identifier	Description	License option/ Pricing metric
S0144F4	Multilingual	Hardcopy publi cation
S0140WZ	Total Storage Productivity Center for Replication for System z Three Site BC	Basic ALC, per Value Unit SW S&S no charge, decline SW S&S
Orderable supply ID	Language	Di stri buti on medi um
S0144F3	Multilingual	Hardcopy publi cation

Subscription and Support

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

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

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

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

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

Customization option for OS/390®

Select the following feature number to customize your order if running on the OS/390 platform. This feature can be specified on the initial or MES orders.

Feature number	Description
3450	Satellite Electronic Delivery

Customized offerings

Product deliverables are shipped only via Customized Offerings (for example, CBPDO, ServerPac, SystemPac®). CBPDO and ServerPac are offered for Internet delivery, where ShopzSeries product ordering is available. Internet delivery of ServerPac may help improve automation, and software delivery time.

For more details on Internet delivery, refer to the ShopzSeries help information at

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

Media type for this software product is chosen during the customized offerings ordering process. Based on your customer environment, it is recommended that the highest possible density tape media is selected. Currently offered media types are:

- CBPDOs — 3480, 3480 Compressed, 3490E, 3590, 3592*
- ServerPacs — 3480, 3480 Compressed, 3490E, 3590, 3592*
- SystemPacs — 3480, 3480 Compressed, 3490E, 3590, 3592*

* 3592 is highest density media, which will ship the fewest number of media.

Once a product becomes generally available, it will be included in the next ServerPac and SystemPac monthly update.

Production of software product orders will begin on the planned general availability date.

- CBPDO shipments will begin one week after general availability.
- ServerPac shipments will begin two weeks after inclusion in ServerPac.
- SystemPac shipments will begin four weeks after inclusion in SystemPac due to additional customization and data input verification.

Terms and conditions

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

Licensing: IBM International Program License Agreement including the License Information document and PoE govern your use of the program. PoEs are required for all authorized use.

Agreement for Acquisition of Software Maintenance: The following agreement applies for maintenance and does not require customer signatures:

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

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provides for support with ongoing access to releases and versions of the program. IBM includes one year of Software Maintenance with the initial license acquisition of each program acquired. The initial period of Software Maintenance can be extended by the purchase of a renewal option, 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.

S/390® and System z IBM Operational Support Services — SoftwareXcel is an option if you desire added services.

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. Consult the IBM Software Support Guide for further information at

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

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

Program support: Enhanced support, called Subscription and Support, includes telephone assistance (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. You will be notified of discontinuance of support with 12 months' notice.

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

on how to obtain the refund.

For clarification, note that for programs acquired under any of IBM's On/Off CoD software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Authorization for use on home/portable computer: You may not copy and use this program on another computer without paying additional license fees.

Volume orders (IVO): No

Passport Advantage applies: No

Usage restriction: Yes, usage is limited to the quantity of Value Units licensed.

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

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

Software Maintenance applies: No

For operating system software, the revised IBM Operational Support Services — SoftwareXcel offering will provide support for those operating systems and associated products that are not available with the newly announced Software Maintenance offering.

This will ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised SoftwareXcel offering, visit

<http://www.ibm.com/services/sl/products>

For additional information on the revised IBM Operational Support Services, refer to Services Announcement [601-023](#), dated July 10, 2001.

IBM Operational Support Services — SoftwareXcel: Yes

System i™ Software Maintenance applies: No

Variable charges apply: No

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

Prices

Information on charges is available at Web site

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

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

Pricing for 5698-TPC System z offerings

Program name: IBM TotalStorage Productivity Center for Replication for System z

Program PID: 5698-TPC

Entitlement identifier	Description	License option/ Pricing metric
S0140FZ	TotalStorage Productivity Center for Replication for System z	Basic OTC, per Value Unit
S0140G6	TotalStorage Productivity Center for Replication for System z Two Site BC	Basic OTC, per Value Unit

S0140G9	Total Storage Productivity Center for Replication for System z Three Site BC	Basic OTC, per Value Unit
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Subscription and Support PID: 698-S1A

Entitlement identifier	Description	License option/ Pricing metric
S0140WG	Total Storage Productivity Center for Replication for System z	Basic ALC, per Value Unit SW S&S no charge, decline SW S&S
S0140WX	Total Storage Productivity Center for Replication for System z Two Site BC	Basic ALC, per Value Unit SW S&S no charge, decline SW S&S
S0140WZ	Total Storage Productivity Center for Replication for System z Three Site BC	Basic ALC, per Value Unit SW S&S no charge, decline SW S&S

Order now

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

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

Phone: 800-IBM-CALL (426-2255)
Fax: 800-2IBM-FAX (242-6329)
Internet: callserv@ca.ibm.com
Mail: IBM Americas Call Centers
Dept. Teleweb Customer Support, 9th floor
105 Moatfield Drive
North York, Ontario
Canada M3B 3R1

Reference: LE001

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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Linux is a trademark of Linus Torvalds in the United States, other countries or both.

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