



ProtectTIER Enterprise Edition and ProtectTIER Appliance Edition V3.3 support Network File System (NFS) interface

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At a glance

IBM® System Storage® ProtectTIER® Enterprise Edition and ProtectTIER Appliance Edition Version 3.3 software introduce the network file system (NFS) backup interface for customers with network attached storage (NAS) backup environments.

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

Overview

IBM System Storage ProtectTIER Enterprise Edition V3.3 and IBM System Storage ProtectTIER Appliance Edition V3.3 build on the functions available in ProtectTIER V3.2, and introduce the NFS backup interface. ProtectTIER V3.3 supports replication between a maximum of eight ProtectTIER systems using either the common information file system (CIFS) or NFS file system interface (FSI). Any one ProtectTIER FSI system is limited to a maximum of three target systems within the replication grid per replication policy.

Supported replication grid configurations for ProtectTIER OpenStorage and ProtectTIER virtual tape library (VTL) systems are unchanged with ProtectTIER V3.3.

ProtectTIER V3.3 also includes a fully automated, wizard-based ProtectTIER server code upgrade facility using the ProtectTIER Manager GUI designed to improve the code upgrade user experience. With the release of V3.3, software maintenance renewals for ProtectTIER can be automated through a services contract. Include feature 9000 on the software maintenance registration Product ID (PID) to indicate the desire to participate in this auto renewal process.

IBM System Storage ProtectTIER Enterprise Edition V3.3 and IBM System Storage ProtectTIER Appliance Edition V3.3 are the follow-on products for ProtectTIER Enterprise Edition V3.2 and ProtectTIER Appliance Edition V3.2.

Key prerequisites

ProtectTIER Enterprise Edition requires IBM System Storage TS7650G Deduplication Gateway hardware. ProtectTIER Appliance Edition requires IBM System Storage TS7650 ProtectTIER Deduplication Appliance hardware. Only backup data passed to ProtectTIER from NetBackup is eligible to utilize the optional OpenStorage interface.

The FSI interface in ProtecTIER Enterprise Edition V3.3 is only supported on the TS7650G Gateway model DD5. The FSI interface in ProtecTIER Appliance Edition V3.3 is only supported on TS7650 Appliance model AP1 systems that were previously installed with the CIFS FSI option.

Planned availability date

February 5, 2013

Description

ProtecTIER Enterprise Edition V3.3 introduces FSI-NFS support for NAS backup environments. The ProtecTIER FSI interface is intended to be used for backup and restore of data sets using a backup application. Use of the ProtecTIER FSI interface for primary storage is not supported at this time. ProtecTIER Enterprise Edition V3.3 FSI-NFS support requires TS7650G Model DD5. ProtecTIER FSI support must be installed on the initial system order. Field conversions of existing VTL or OpenStorage systems to utilize the FSI function are not supported.

ProtecTIER systems may also be configured as a VTL system or as an OpenStorage interface system. At this time, a ProtecTIER system may only function as a VTL system, an OpenStorage interface system, or an FSI system; it cannot function as a combination of any two or three of these system types.

ProtecTIER Replication for FSI systems is supported between up to eight ProtecTIER FSI systems. However, any single ProtecTIER FSI system may only replicate to a maximum of three other ProtecTIER FSI systems within the replication topology.

An Enterprise Edition FSI-NFS system will support scalability up to:

- 128 file backup file systems
- A maximum nominal file-system size of 256 TB
- 1 million files per file system
- 16 million files per repository
- 256 files open concurrently
- 192 backup streams
- 64 replication streams
- 256 NFS exports
- 256 NFS users
- 64 client host connections
- 8 TB physical file size

Existing TS7650G gateway systems may upgrade to ProtecTIER Enterprise Edition V3.3. Existing TS7650 appliance systems may update to ProtecTIER Appliance Edition V3.3. Upgraded systems must continue to be used as the same system type, FSI, VTL or OpenStorage, as previously configured.

IBM System Storage ProtecTIER Enterprise Edition V3.3 and IBM System Storage ProtecTIER Appliance Edition V3.3 replace ProtecTIER Enterprise Edition V3.2 and ProtecTIER Appliance Edition V3.2.

For other attributes of these ProtecTIER offerings, refer to IBM System Storage ProtecTIER Appliance and Enterprise Edition V3.2 Software Announcement [212-196](#), dated June 04, 2012 .

Auto renewal registration of software maintenance

Software maintenance renewals in the AAS ordering system for ProtecTIER Enterprise 5639-PTA and ProtecTIER Appliance Edition 5639-PTB software is available through an IBM team who can manage the renewals under a services contract, and provide customers with a common anniversary date for software maintenance renewals and help keep customers current on software maintenance. Selecting feature code 9000 with the software maintenance registration ordered with 5639-PTA or 5639-PTB indicates interest in the auto renewal of software maintenance, and engages the services team to contact the customer and separately contract the service if the customer so desires. Feature number 9000 is available on the following IBM System Storage ProtecTIER Enterprise and Appliance Edition base software maintenance registration product IDs:

- 5639-XXC - 1 Year Software Maintenance Registration
- 5639-XXE - 3 Year Software Maintenance Registration
- 5639-XXJ - 2 Year Software Maintenance Registration
- 5639-XXK - 4 Year Software Maintenance Registration
- 5639-XXL - 5 Year Software Maintenance Registration
- 5639-XXQ - 1 Year Software Maintenance Registration
- 5639-XXS - 3 Year Software Maintenance Registration
- 5639-XXV - 2 Year Software Maintenance Registration
- 5639-XXW - 4 Year Software Maintenance Registration
- 5639-XXX - 5 Year Software Maintenance Registration

Note: Auto renewal services are not available in all countries or for all initial software maintenance contract terms. Refer to the services announcement found in the [Reference information](#) section for more details.

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

Product positioning

Data protection pain points in the data center

Enterprise and midrange data centers require high-capacity, reliable, and scalable data protection solutions with excellent price and performance. Delivering high-level data protection is increasingly difficult for many reasons:

- Data growth outgrowing existing capacity
- Unable to meet backup and recovery SLAs
- Business decisions being made using out-of-date information
- No time available to test the disaster recovery plan
- No time to perform routine scheduled maintenance activities
- Customer satisfaction ratings dropping
- Losing competitive advantage
- Inability to comply with government or business regulations

ProtecTIER is designed to provide the following core differentiators:

- High speed backups: Up to 2500 MB/s or more sustained inline deduplication backup performance with clustered VTL TS7650G systems running ProtecTIER

- Enterprise Edition V3.3 as a VTL system, dependent on the capabilities of the repository's disk array and other data and workload characteristics
- Even faster restores: Up to 3200 MB/s or more sustained recovery performance with clustered VTL TS7650G systems running ProtecTIER Enterprise Edition V3.3, dependent on capabilities of the repository's disk array and other data and workload characteristics
 - Cost efficiency: Store up to 25 TB or more backup data on only 1 TB of physical disk
 - Data integrity: Patented HyperFactor® deduplication technology designed to provide enterprise class data integrity by avoiding the possibility of data loss due to a hash collision
 - Scalability: Architected to meet enterprise capacity needs supporting a single physical repository size up to 1 PB
 - High availability: Clustered configuration provides hardware redundancy for higher availability
 - Disaster recovery: Integrated IP-based replication for data centers, remote offices, and offsite storage locations
 - Proven technology: Implemented in many Fortune 500 data centers since 2005
 - Support for back up environments: VTL, Symantec OpenStorage, or NAS.

Reference information

For information about IBM System Storage ProtecTIER Enterprise and Appliance Edition V3.2, refer to Software Announcement [212-196](#), dated June 04, 2012 .

For information about IBM System Storage TS7650 ProtecTIER Deduplication Appliance (3958-AP1), refer to Hardware Announcement [110-234](#), dated October 26, 2010 .

For information about IBM System Storage TS7650G Gateway (3958-DD4) server refresh refer to Hardware Announcement [110-237](#), dated October 26, 2010 .

For information about IBM System Storage TS7650G Gateway (3958-DD5) server refresh refer to Hardware Announcement [112-102](#), dated June 04, 2012 ,

For information about the software maintenance auto renewal registration services offering, refer to Services Announcement [613-009](#), dated January 08, 2013 .

Program number

Program number	VRM	Program name
5639-PTA	3.3.0	IBM System Storage ProtecTIER Enterprise Edition V3 Software
Software Maintenance		
5639-XXC		ProtecTIER Enterprise Ed. Reg./Ren. 1 year
5639-XXD		ProtecTIER Enterprise Ed. After license 1 year
5639-XXE		ProtecTIER Enterprise Ed. Registration 3 year
5639-XXF		ProtecTIER Enterprise Ed. Renewal 3 year
5639-XXG		ProtecTIER Enterprise Ed. After license 3 year
5639-XXJ		ProtecTIER Enterprise Ed. Registration 2 year
5639-XXK		ProtecTIER Enterprise Ed. Registration 4 year
5639-XXL		ProtecTIER Enterprise Ed. Registration 5 year
Program number	VRM	Program name
5639-PTB	3.3.0	IBM System Storage ProtecTIER Appliance Edition V3 Software

Software Maintenance

5639-XXQ	ProtectTIER Appliance Ed.	Reg./Ren. 1 year
5639-XXR	ProtectTIER Appliance Ed.	After license 1 year
5639-XXS	ProtectTIER Appliance Ed.	Registration 3 year
5639-XXT	ProtectTIER Appliance Ed.	Renewal 3 year
5639-XXU	ProtectTIER Appliance Ed.	After license 3 year
5639-XXV	ProtectTIER Appliance Ed.	Registration 2 year
5639-XXW	ProtectTIER Appliance Ed.	Registration 4 year
5639-XXX	ProtectTIER Appliance Ed.	Registration 5 year

Product identification number

IBM System Storage ProtecTIER Enterprise Edition V3.3

Program PID number	First Yr Reg and Maintenance 1 year Renewal PID number	Maintenance 1 year After License PID number
5639-PTA	5639-XXC	5639-XXD
	Maintenance 3 year Registration PID number	Maintenance 3 year After License PID number
	5639-XXE	5639-XXG
	Maintenance 3 year Renewal PID number	
	5639-XXF	
	Maintenance 2 year Registration PID number	Maintenance 4 year Registration PID number
	5639-XXJ	5639-XXK
	Maintenance 5 year Registration PID number	
	5639-XXL	

IBM System Storage ProtecTIER Appliance Edition V3.3

Program PID number	First Yr Reg and Maintenance 1 year Renewal PID number	Maintenance 1 year After License PID number
5639-PTB	5639-XXQ	5639-XXR
	Maintenance 3 year Registration PID number	Maintenance 3 year Renewal PID number
	5639-XXS	5639-XXT
	Maintenance 3 year After License PID number	
	5639-XXU	
	Maintenance 2 year Registration PID number	Maintenance 4 year Registration PID number
	5639-XXV	5639-XXW
	Maintenance 5 year Registration PID number	
	5639-XXX	

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=213-007>

Offering Information

Product information is available via the Offering Information website

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

Publications

All required publications are shipped with the corequisite hardware that contains the preloaded ProtecTIER software.

Publications are available on the IBM Publications Center website and are included on the *IBM System Storage TS7600 ProtecTIER - TS7650 & TS7650G Publications CD-ROM LCD7-4788*.

To order additional selected hardcopy publications for a fee or download free PDF format publications, visit the IBM Publications Center website

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

ProtecTIER Appliance Edition V3.3 publications

Publications with software relevance included in the Publications CD-ROM, LCD7-4788, when the media supply feature is ordered for ProtecTIER Appliance Edition V3.2 include:

Title	Order number
IBM System Storage TS7650 ProtecTIER 3.3 Deduplication Appliance and TS7650G Deduplication Gateway Introduction and Planning Guide (3958-AP1 and 3958-DD5)	GA32-0918
IBM System Storage TS7650G ProtecTIER Deduplication Gateway for ProtecTIER 3.3 Installation Roadmap Guide	GA32-0921
IBM System Storage ProtecTIER User's Guide for Enterprise Edition and Appliance Edition for ProtecTIER V3.3.	GA32-0922
Start Here for IBM System Storage TS7650 with ProtecTIER, v.3.3	GI13-1831
ProtecTIER v.3.3 Software Guide	SC27-3643
IBM System Storage TS7600 with ProtecTIER Problem Determination Guide for the TS7650 Appliance and TS7650G Gateway (3958-DD1, 3958-DD3, 3958-DD4, 3958-DD5, and 3958-AP1)	GA32-0923

ProtecTIER Enterprise Edition V3.3 publications

Publications with software relevance are included in the Publications CD-ROM, LCD7-4788, when the media supply feature is ordered for ProtecTIER Enterprise Edition V3.2 include:

Title	Order number
IBM System Storage TS7650 ProtecTIER 3.3 Deduplication Appliance and TS7650G Deduplication Gateway Introduction and Planning Guide (3958-AP1 and 3958-DD5)	GA32-0918
IBM System Storage TS7650G ProtecTIER Deduplication Gateway for ProtecTIER 3.3 Installation Roadmap Guide	GA32-0921
IBM System Storage ProtecTIER User's Guide for Enterprise Edition and Appliance Edition	GA32-0922
Start Here for IBM System Storage TS7650 with ProtecTIER, v.3.3	GI13-1831
ProtecTIER V3.3 Software Upgrade Guide	SC27-3643
IBM System Storage TS7600 with ProtecTIER Problem Determination Guide for the TS7650 Appliance and TS7650G Gateway (3958 DD1, 3958 DD3, 3958 DD4, 3958 DD5, and 3958 AP1)	GA32-0923

Technical information

Specified operating environment

Hardware requirements

ProtecTIER Appliance Edition V3.3 requires the IBM System Storage TS7650 ProtecTIER Deduplication Appliance, IBM 3958 Model AP1. Refer to Hardware Announcement [110-234](#), dated October 26, 2010 .

For new system orders, ProtecTIER Enterprise Edition V3.3 requires the IBM System Storage TS7650G ProtecTIER Deduplication Gateway, IBM 3958 Model DD5. Refer to Hardware Announcement [112-102](#), dated June 04, 2012 , for more information on the TS765G Model DD5. ProtecTIER Enterprise Edition V3.3 is also supported on existing TS7650G systems with Models DD1, DD3, or DD4.

ProtecTIER Manager

ProtecTIER Manager is required for service and maintenance of ProtecTIER systems, and must be installed on a customer provided workstation.

The customer provided workstation must be capable of operating one of the following operating systems:

- Microsoft™ Windows™ 2003, Windows XP, or Windows 7
- Red Hat Enterprise 4 or 5

The workstation must also have:

- At least 1.2 GB of available disk space
- At least 256 MB of RAM

The workstation must have access to the ProtecTIER service nodes at IP address (port 3501 is open on the firewall). ProtecTIER Manager can support more than one ProtecTIER server. If the ProtecTIER Manager workstation is connected to more than one ProtecTIER server, they can be connected to a workstation via a switch box or via a terminal server. The workstation and switch box must be provided by the customer.

Contact your IBM representative for console configuration alternatives.

Software requirements

Operating system prerequisites

The appropriate operating system is included with ProtecTIER V3 software and is loaded on the TS7650 Appliance or TS7650G Gateway with the initial order.

The ProtecTIER plug-in for OpenStorage must be installed on a NetBackup media server running NetBackup V6.5 or V7.0, and one of the following operating systems:

- Windows 2003
- Windows 2008
- AIX® 5.3
- AIX 6.1
- Oracle Solaris 10 (SPARC)
- Red Hat Linux™ 5.4

Connectivity prerequisites

The supported Fibre Channel switches are listed in the System Storage Operation Center (SSIC) located at

<http://www-03.ibm.com/systems/support/storage/config/ssic/>

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.

Compatibility

In VTL mode, ProtecTIER Enterprise Edition and Appliance Edition V3.3 software emulates, in both stand-alone and clustered configurations, the IBM System Storage TS3500 tape library with IBM Ultrium™ 3 Tape Drives, and the Quantum P3000 tape library with DLT or IBM Ultrium 2 Tape Drives.

Limitations

FSI mode is limited to ProtecTIER Enterprise Edition V3.3 preloaded on the TS7650G Gateway Model DD5, and to ProtecTIER Appliance Edition V3.3 preloaded on the TS7650 Appliance Model AP1.

ProtecTIER Enterprise Edition software is only supported for installation on TS7650G ProtecTIER Deduplication Gateway hardware (3958 Models DD1, DD3, DD4, and DD5).

ProtecTIER Appliance Edition software is only supported for installation on TS7650 ProtecTIER Deduplication Appliance hardware (3958 Model AP1).

ProtecTIER supports any combination of TS7650 Appliances, TS7650G Gateways, and TS7610/TS7620 Appliances in the replication topology.

In VTL mode, many-to-many replication topologies are limited to a maximum of four ProtecTIER systems. These systems must run ProtecTIER V3.3, or later.

In VTL mode, a hub and spoke replication topology is limited to a maximum of twelve spokes replicating to a single hub. These systems must run ProtecTIER V2.4, or later.

Systems operating as a source and target unidirectional replication pair must run ProtecTIER V2.3, or later.

ProtectTIER path failover functions are not supported with Quantum P3000 virtual tape library definitions.

Planning information

Customer responsibilities

Physical planning is a customer responsibility. Detailed planning information is in the *IBM System Storage TS7650 ProtectTIER 3.3 Deduplication Appliance and TS7650G Deduplication Gateway Introduction and Planning Guide (3958-AP1 and 3958-DD5) GA32-0918*.

This guide is available at no charge at the IBM Publications Center. Refer to the [Publications](#) section.

Installability

Direct customer support

Less than one hour is required to install and configure the management software on the management console.

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

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

IBM Global Services

IBM Technical Support Services provides comprehensive hardware and software support, including hardware and software implementation for the ProtectTIER Deduplication solution.

Technical Support Services are designed to support your installations of IBM System Storage hardware and software. Offering the best solutions for storage management and data migration, IBM Technical Support Services can assist you in developing and deploying storage solutions to enable your success and satisfaction. For more information, contact your IBM representative or Business Partner.

Packaging

For new orders of IBM System Storage ProtectTIER Enterprise Edition V3.3 (5639-PTA), the following media are shipped:

- IBM System Storage ProtectTIER Enterprise Edition V3.3 (LCD7-5216)
- IBM System Storage ProtectTIER Manager V3.3 (LCD7-5217)
- IBM System Storage ProtectTIER OpenStorage Plug-in V3.3 (LCD7-5219)
- IBM System Storage ProtectTIER Maintenance and Recovery Disk V3.3 (LCD7-5601)
- IBM System storage TS7600 with ProtectTIER - TS7650 & TS7650G Publications CD-ROM V3.3 (LCD7-4788)
- IBM ProtectTIER Software Upgrade Migration (SC27-3643)
- Start Here for IBM System Storage TS7600 with ProtectTIER (GI13-1831)
- License Agreement for Machine Code (Z125-5468)

For new orders of IBM System Storage ProtectTIER Appliance Edition V3.3 (5639-PTB), the following media are shipped:

- IBM System Storage ProtectTIER Appliance Edition V3.3 (LCD7-5220)
- IBM System Storage ProtectTIER Manager V3.3 (LCD7-5217)
- IBM System Storage ProtectTIER OpenStorage Plug-in V3.3 (LCD7-5219)
- IBM System Storage ProtectTIER Maintenance and Recovery Disk V3.3 (LCD7-5601)

- IBM System storage TS7600 with ProtecTier - TS7650 & TS7650G Publications CD-ROM V3.3 (LCD7-4788)
- IBM ProtecTIER Software Upgrade Migration (SC27-3643)
- Start Here for IBM System Storage TS7600 with ProtecTIER (GI13-1831)
- License Agreement for Machine Code (Z125-5468)

The paid invoice acts as Proof of Entitlement (PoE) for all orders of ProtecTIER V3.3 software.

Refer to the [Ordering information](#) section and to the Hardware Announcements listed in the [Reference information](#) section for correlated hardware order features.

Media feature number 5806 causes the media CDs to be shipped for ProtecTIER Appliance Edition (5639-PTB) and ProtecTIER Enterprise Edition (5639-PTA).

Serial number only feature 3444 suppresses media CDs from being shipped on ProtecTIER orders. 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

This product uses the security and auditability features of host hardware, host software, or application software to which it is attached. 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/>

Ordering information

Charge metric

Program name	Part number or PID number	Charge metric
ProtecTIER Enterprise Edition V3	5639-PTA	per Storage Device and per Decimal Terabytes
Program name	Part number or PID number	Charge metric
ProtecTIER Appliance Edition V3	5639-PTB	per Storage Device and per Decimal Terabytes

Effective February 5, 2013, IBM System Storage ProtecTIER Appliance Edition V3.3 replaces the IBM System Storage ProtecTIER Appliance Edition V3.2 for all new TS7650 system orders, and IBM System Storage ProtecTIER Enterprise Edition V3.3 replaces the IBM System Storage ProtecTIER Enterprise Edition V3.2 for all new TS7650G system orders. On or after this date, IBM System Storage ProtecTIER Appliance Edition V3.2 and IBM System Storage ProtecTIER Enterprise Edition V3.2 will no longer be available for shipment.

ProtecTIER Enterprise Edition and ProtecTIER Appliance Edition V3.3

ProtecTIER systems are ordered as a VTL, FSI, or as an OpenStorage system. These options are mutually exclusive. To order ProtecTIER Appliance Edition as a FSI system, order one *ProtecTIER FSI* per storage device use authorization feature for each 3958 Model AP1 feature number 3120 or 3170 configured. To order ProtecTIER Appliance Edition as an OpenStorage system, order one *ProtecTIER OpenStorage* per storage device use authorization feature for each 3958 Model AP1 feature number 3120 or 3170 configured.

To order ProtecTIER Enterprise Edition as an FSI system, order one *ProtecTIER FSI* per storage device use authorization feature for each TS7650G Server (3958 Model DDx). To order ProtecTIER Enterprise Edition as an OpenStorage system, order one *ProtecTIER OpenStorage* per storage device use authorization feature for each TS7650G Server (3958 Model DDx).

Data deduplication

Order basic capacity authorizations corresponding to the total terabytes managed by the ProtecTIER system. This entitles use of the HyperFactor data deduplication functionality of ProtecTIER. This authorization is required for every ProtecTIER system which will deduplicate data received from a backup application. Basic capacity authorizations are not required for *no deduplication* licenses or for the target-only FSI system in a replication topology, unless that target system is also receiving data from a backup host. OpenStorage systems with deduplication active must always license capacity support, whether they are a replication target system or not.

Network replication

Order replication authorizations corresponding to the total decimal terabytes managed by the ProtecTIER system. This entitles the customer to use the ProtecTIER's network replication. This authorization is required for every ProtecTIER system which sends or receives replicated data from another ProtecTIER system.

Note: The Software Maintenance program numbers have been previously announced.

Order Software Maintenance Registration corresponding to each ProtecTIER Appliance Edition V3 or Enterprise Edition V3 FSI, VTL, capacity, replication, OpenStorage interface and cluster authorization feature, for both new and upgrade orders.

Order renewals prior to the expiration of the original Software Maintenance registration period or previous Software Maintenance renewal.

ProtecTIER Enterprise Edition billing features

The billing features and pricing information for ProtecTIER Enterprise Edition software maintenance PIDs remain unchanged. Details may be found in:

- Software Announcement [213-007](#), dated February 05, 2013
- Software Announcement [212-196](#), dated June 04, 2012
- Software Announcement [211-155](#), dated May 09, 2011
- Software Announcement [210-375](#), dated October 26, 2010
- Software Announcement [210-135](#), dated April 13, 2010

- Software Announcement [209-223](#), dated July 14, 2009
- Software Announcement [209-031](#), dated February 10, 2009
- Software Announcement [208-228](#), dated August 26, 2008

ProtectTIER Appliance Edition billing features

The billing features and pricing information for ProtectTIER Appliance Edition software maintenance PIDs remain unchanged. Details may be found in:

- Software Announcement [213-007](#), dated February 05, 2013
- Software Announcement [212-196](#), dated June 04, 2012
- Software Announcement [211-155](#), dated May 09, 2011
- Software Announcement [210-375](#), dated October 26, 2010
- Software Announcement [210-138](#), dated April 13, 2010
- Software Announcement [209-443](#), dated October 27, 2009
- Software Announcement [209-216](#), dated July 14, 2009
- Software Announcement [209-030](#), dated February 10, 2009

Beginning with release V3.3 of the ProtectTIER Enterprise and Appliance Editions, the pricing metrics for the maintenance products listed below are being changed from the previously announced "per Terabyte" to a new metric of "per Decimal Terabyte". This is not a change in actual pricing of these orderable features under the maintenance products, but to clarify that the current licensed capacity is based on decimal terabyte definitions, and to create consistent capacity definitions in IBM offerings.

ProtectTIER Enterprise Edition Software Maintenance

5639-XXC:
IBM System Storage ProtectTIER Enterprise Edition V3.3
One Year Software Maintenance

Feature description	Feature number
SWMA Auto Renewal Registration	9000

5639-XXE:
IBM System Storage ProtectTIER Enterprise Edition V3.3
Three Year Software Maintenance

Feature description	Feature number
SWMA Auto Renewal Registration	9000

5639-XXJ:
IBM System Storage ProtectTIER Enterprise Edition V3.3
Two Year Software Maintenance

Feature description	Feature number
SWMA Auto Renewal Registration	9000

5639-XXK:
IBM System Storage ProtectTIER Enterprise Edition V3.3
Four Year Software Maintenance

Feature description	Feature number
SWMA Auto Renewal Registration	9000

5639-XXL:
IBM System Storage ProtectTIER Enterprise Edition V3.3
Five Year Software Maintenance

Feature description	Feature number
SWMA Auto Renewal Registration	9000

ProtectTIER Appliance Edition Software Maintenance

5639-XXQ:
IBM System Storage ProtectTIER Appliance Edition V3.3
One Year Software Maintenance

Feature description	Feature number
SWMA Auto Renewal Registration	9000

5639-XXS:
IBM System Storage ProtectTIER Appliance Edition V3.3
Three Year Software Maintenance

Feature description	Feature number
SWMA Auto Renewal Registration	9000

5639-XXV:
IBM System Storage ProtectTIER Appliance Edition V3.3
Two Year Software Maintenance

Feature description	Feature number
SWMA Auto Renewal Registration	9000

5639-XXW:
IBM System Storage ProtectTIER Appliance Edition V3.3
Four Year Software Maintenance

Feature description	Feature number
SWMA Auto Renewal Registration	9000

5639-XXX:
IBM System Storage ProtectTIER Appliance Edition V3.3
Five Year Software Maintenance

Feature description	Feature number
SWMA Auto Renewal Registration	9000

Terms and conditions

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

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use.

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) 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-KAVZ-8EJS6D

The program's LI 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>

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