



IBM XIV Storage System Software Version 11.0.0 (5639-YYB) supports for new IBM XIV Gen3 hardware

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Overview

IBM® XIV® Storage System Software V11.0.0 is now available to support the high-performance features of the IBM XIV Storage System Gen3 hardware.

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

Key prerequisites

An order of a validly configured IBM XIV Storage System 2810 or 2812 Model 114 must occur at the same time as an initial IBM XIV Storage System Software V11.0.0 order.

Refer to the [Hardware requirements](#) and [Ordering information](#) sections for more information.

Planned availability date

September 8, 2011

Description

The XIV hardware/software relationship

IBM XIV Storage System Software V11 is preloaded on machine type models 2810-114 and 2812-114. There is a one-to-one relationship between the base XIV Storage System Software V11 feature of 5639-YYB and the hardware module features on machine type models 2810-114 and 2812-114. IBM XIV Storage System Software is designed to make the XIV modules act as a redundant grid of storage. There are many advanced functions that are available with the IBM XIV Storage System Software V11, and all of these functions are available in the base software.

Thin provisioning

IBM XIV Storage System thin provisioning allows administrators to define logical volume sizes that are in total larger than the physical capacity of the system. Unlike other approaches, the physical capacity only needs to be larger than the actual

written data, not larger than the logical volumes. Physical capacity needs to be increased only when actual written data increases.

Data snapshot with advanced writeable snapshot technology

The snapshot capabilities within the IBM XIV Storage System Software utilize a metadata, redirect-on-write design that allows snapshots to occur in a subsecond time frame with very little performance overhead. Thousands of full or differential copies can be taken. Any of the snapshots can be made writeable, and then snapshots can be taken of the newly writeable snapshots. Volumes can even be restored from these writeable snapshots.

Asynchronous mirroring

Asynchronous mirroring is the volume or consistency group synchronization attained through a periodical, recurring activity that takes a snapshot of a designated source either automatically or manually, and updates a designated target with differences between that snapshot and the last replicated version of the source. Unlike other implementations, XIV asynchronous mirroring supports multiple consistency groups with different recovery point objectives, multiple targets, 128 mirrored pairs, scheduling, event reporting, and statistics collection.

Synchronous mirroring

Synchronous mirroring can be performed over Fibre Channel (FC) or iSCSI connections. iSCSI volumes can be mirrored over FC, and vice versa. It is also possible to test the secondary mirror site without stopping the mirroring.

Consistency groups

The system supports consistency groups to facilitate easy management of volume groups, such as the ability to instruct the system to take a snapshot of all volumes in a consistency group at the same time, and set mirroring for all volumes in a group.

Virtualization

- **Zero manual tuning:** XIV's self-tuning architecture is designed to eliminate the need for manual or background performance tuning to attain high-end performance
- **Easy migration:**
 - The XIV data migration feature is designed to help migrate data from a non-XIV system to the XIV system rapidly, sparing what can be hours of planning and execution
 - The XIV system can automate the transfer of data, automatically load-balancing data across new and existing hardware
- **Hot upgrades:** Hardware replacements and upgrades can take place without interrupting production systems, reducing or eliminating planned downtime, and keeping data accessible
- **Automatic event notification:** A powerful event notification engine can send alerts of imminent hardware failure via email, SMS, or SNMP traps, with filtering and distribution by severity or type; when needed, the system automatically activates self-healing

Management and reporting

IBM XIV Gen3 is designed to provide centralized administration of individual and multiple XIV racks from an exceptionally easy to use graphical user interface that makes managing storage simple. A powerful command line interface enables complex scripting for high-level host and application integrations, system administration, and other such needs.

Quality of Service

Designed for the needs of service providers and cloud solutions, XIV system can help users to enable multiple service levels from the same system. This feature restricts system resources allocated to specific hosts or applications, so as to commandeer resources in the service of higher priority applications.

Security

The IBM XIV Storage System addresses the most important aspects of system security: authentication, authorization, and auditing. The system integrates with Active Directory and LDAP servers to allow centralized management of user identity and privileges. Role-based management enables defined roles that allow access based on required operational privileges. The system supports auditing, in which events are captured and can also be transmitted to enterprise monitoring systems, such as IBM Systems Director and Tivoli® Productivity Suite. Secure Socket Layer (SSL) is used to encrypt network channels and to provide a secure management capability. The XIV system also provides a secure remote gateway, enabling customers to open and control an HTTPS-based channel that allows IBM engineers to remotely support XIV systems.

For current support options and interoperability information, visit

<http://www.ibm.com/systems/support/storage/XIV>

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

IBM XIV Storage System Software is the disk system operating software for the 2810-114 and 2812-114 IBM XIV Storage Systems. This software provides the functional capabilities of the XIV system.

The combination of XIV hardware and software is designed to provide a high-performance, grid-based architecture that is exceptionally easy to use. This offers a scalable, reliable, enterprise disk system for UNIX®, Linux®, Microsoft® Windows®, and other supported distributed open server platforms.

It can provide a platform to address the need for reducing complexity while keeping pace with mid-size to high-end disk capacity demands. This system is a great addition to the IBM disk storage family core products in the IBM Information Infrastructure. It is a good fit for clients who want to be able to grow capacity, improve performance, and reduce costs, without managing multiple tiers of storage. These clients may also want to improve their backup capabilities, as well as reduce the task load on storage administrators.

The XIV system is especially well-suited as consolidated utility storage for fast growing, dynamic mixed, and emerging workloads.

Reference information

For prerequisite IBM XIV Storage System hardware information, refer to the following announcement:

Hardware Announcement [111-128](#), dated July 12, 2011, (IBM XIV Storage System Gen3 Models 114).

Program number

Program number	VRM	Program name
5639-YYB	11.0.0	IBM XIV Storage System Software

Product identification number

Program PID number	Maintenance 1 year PID number	Maintenance 3 year PID number
5639-YYB	5639-XX1 1-Yr Reg/Renewal	5639-XX3 3-Yr Registration

5639-XX2 1-Yr After License	5639-XX4 3-Yr Renewal
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5639-XX5 3-Yr After License

Program PID number	Maintenance 2 year PID number	Maintenance 4 year PID number	Maintenance 5 year PID number
5639-YYB	5639-XX9 2-Year Registration	5639-X12 4-Year Registration	5639-X11 5-Year Registration

Offering Information

Product information is available via the Offering Information website

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

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=211-249>

Publications

No publications are shipped with this program.

Product publications can be viewed and downloaded online from the IBM XIV Storage System Information Center at

<http://publib.boulder.ibm.com/infocenter/ibmxiv/r2/index.jsp>

The following publications can be ordered from the IBM Publications Center:

Title	Order number
IBM XIV Storage System Introduction and Planning Guide for Customer Configuration	GC27-3913
IBM XIV Storage System XCLI Guide	GC27-3914
IBM XIV Storage System Product Overview	GC27-3912

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.

Technical information

Specified operating environment

Hardware requirements

The IBM XIV Storage System Software V11.0.0 license requires one IBM XIV Storage System, 2810-114 or 2812-114, in any of the validly orderable configurations.

Refer to the [Ordering information](#) section and to the hardware announcement listed below for further information.

Software requirements

IBM XIV Storage System Software V11.0.0 supports attachment in multiple host operating system environments.

For current supported software levels and related XIV interoperability, visit the XIV Support website

<http://www.ibm.com/systems/support/storage/XIV>

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.

Companion products

Other IBM products that can be considered for implementation with the IBM XIV Storage System include:

- IBM System Storage® SAN Volume Controller
- IBM System Storage TS7650 server (3598-DD1)
- IBM System Storage Tape systems
- IBM Global Services virtualization implementation services
- IBM Novus CG

Limitations

For additional information, refer to [Usage restriction](#) in the Terms and conditions section of this announcement, or to the license information document that is available on the IBM Software License Agreement website

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

Planning information

Hardware planning considerations for the IBM 2810-114 and 2812-114 systems, such as power boundary allocations and running environment, apply for XIV Storage System Software V11.0 installation readiness.

Review the XIV Installation and Planning Guide available at the IBM Information Center

<http://publib.boulder.ibm.com/infocenter/ibmxiv/r2/index.jsp>

Customer responsibilities

IBM XIV Storage System Software V11.0.0 will be preinstalled on the designated machine. Further updates of this code may be designated as *customer installed* or *IBM installed*. If designated as customer installed, the software installation responsibility will lie with the customer.

Packaging

New order packaging

IBM XIV Storage System Software V11.0.0 is preinstalled on and shipped with the corequisite IBM 2810-114 and 2812-114 XIV Storage System.

License information documents for the XIV Storage System Software program ship with the new order.

The following hard copy software documents will be shipped with each new IBM XIV Storage System order:

- International Program License Agreement (IPLA) document, Z125-3301
- License Information for IBM XIV Storage System Software V11.0, GA32-0931

Paid invoice acts as Proof of Entitlement (PoE) for all orders of IBM XIV Storage System V11.0 Software.

Refer to the hardware announcement listed in the [Reference information](#) section for correlated hardware order features.

Selected publications are available for order via the IBM Publications Center. Refer to the [Publications](#) section.

Publications are in English.

Security, auditability, and control

IBM XIV Storage System Software V11 uses the security and auditability features of the IBM XIV 2810-114 and 2812-114 Storage System hardware and IBM XIV 5639-YYB Storage 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/>

Ordering information

Charge metric

Program name	PID number	Charge metric
IBM XIV Storage System Software V11.0	5639-YYB	Per Storage Device

IBM XIV Storage System Software V11.0 Structure

For basic new order hardware corequisites, refer to the [Hardware requirements](#) section.

All available IBM XIV Storage System Software V11.0 function is contained in the Base XIV Storage System Software V11.0 feature.

5639-YYB software feature 0001 always has a one-to-one relationship with the number of active and entitled modules in a valid IBM XIV Storage System hardware configuration.

Program name: IBM XIV Storage System Software V11.0
Program PID: 5639-YYB

5639-YYB:
IBM XIV Storage System SW Drawer with Gen3 2TB drives

Basic License Charge one-time charge Feature description	Feature number
XIV SW Drawer Gen3 2TB drives Basic License Charge Per Storage Device with one year Software Maintenance	0001

Feature description	Feature number
Supply Feature Code	5809
Registration Feature Code	5005

For ordering assistance, contact your IBM XIV Sales Specialist, IBM Storage Sales Specialist, or regional IBM Sales Manager.

IBM representatives should confirm that the corequired hardware order System Identification Unit (SIU) number for the IBM 2810-114 or 2812-114 is recorded in the correlated software order, including for upgrade orders for Capacity on Demand configurations. All orders for 2 TB HDD hardware modules must be accompanied by the appropriate corequisite 2 TB software chargeable code.

Software Maintenance Registration is required for all new product orders.

Product features include one year Software Maintenance. Software Maintenance Registration must, however, be ordered for each product feature.

Order either one-year (no charge) registration from Software Maintenance PID 5639-XX1 for one-year Software Maintenance, or two, three, four, or five-year initial software maintenance registration as needed.

Refer further to the **Software Maintenance** section.

The software license for IBM XIV Storage System SW Drawer with Gen3 2TB drives 5639-YYB, includes 1 year Software Maintenance. (Software Maintenance Registration with the original product order is required to activate this support.)

IBM XIV Storage System Software Maintenance

5639-XX1:

IBM XIV Storage System SW Drawer with Gen3 2TB drives
Software Maintenance
One year No Charge registration and
one year Renewal

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 2TB drives Per Storage Device SW Maintenance No Charge Registration	0005
XIV SW Drawer Gen3 2TB drives Per Storage Device SW Maintenance one Year Renewal	0006

5639-XX2:

IBM XIV Storage System SW Drawer with Gen3 2TB drives
Software Maintenance
One Year After License

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 2TB drives Per Storage Device SW Maintenance one Year After License	0003

5639-XX9:

IBM XIV Storage System SW Drawer with Gen3 2TB drives
Software Maintenance
Two Year Registration

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 2TB drives Per Storage Device SW Maintenance two Year Registration	0003

5639-XX3:

IBM XIV Storage System SW Drawer with Gen3 2TB drives
Software Maintenance
Three Year Registration

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 2TB drives Per Storage Device SW Maintenance Three Year Registration	0003

5639-XX4:

IBM XIV Storage System SW Drawer with Gen3 2TB drives
Software Maintenance
Three Year Renewal

SW Maintenance Feature description	Feature number
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XIV SW Drawer Gen3 2TB drives	0003
Per Storage Device	
SW Maintenance Three Year Renewal	

5639-XX5:
 IBM XIV Storage System SW Drawer with Gen3 2TB drives
 Software Maintenance
 Three Year After License

SW Maintenance	
Feature description	Feature number
XIV SW Drawer Gen3 2TB drives	0003
Per Storage Device	
SW Maintenance Three Year After License	

5639-X12:
 IBM XIV Storage System SW Drawer with Gen3 2TB drives
 Software Maintenance
 Four Year Registration

SW Maintenance	
Feature description	Feature number
XIV SW Drawer Gen3 2TB drives	0004
Per Storage Device	
SW Maintenance Four Year Registration	

5639-X11:
 IBM XIV Storage System SW Drawer with Gen3 2TB drives
 Software Maintenance
 Five Year Registration

SW Maintenance	
Feature description	Feature number
XIV SW Drawer Gen3 2TB drives	0003
Per Storage Device	
SW Maintenance Five Year Registration	

New orders

Order the program number, feature number, and quantity to extend coverage for your software licenses. Extending coverage for a total of two, three, four, or five years from the date of acquisition may be elected. For this option, select the charged registration feature quantity that meets your software maintenance needs from program number 5639-XX9, 5639-XX3, 5639-X12, or 5639-X11, respectively.

Software Maintenance Renewal

Prior to the anniversary of your original software maintenance registration, order Software Maintenance Renewal for continuing capacity usage. For one-year renewal, order from program number 5639-XX1. For three-year renewal, order from program number 5639-XX4. Renewals should be ordered approximately one month in advance of the anniversary expiration. Renewals cannot be aggregated (in a single order) into extended time periods other than 1 year or 3 years represented by the features below.

If maintenance has expired, specify the after license feature number. For one-year after license renewal, order from program number 5639-XX2. For three-year after license renewal, order from program number 5639-XX5.

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) 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 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.

License Information form number

GA32-0931

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>

Note: Capacity on Demand orders have unique terms and conditions. Notably, full capacity must be ordered within the first year of ownership. Refer to the "Attachment for XIV Standby Capacity on Demand" agreement for full details.

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).

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 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)

Yes. Contact your IBM representative.

Passport Advantage applies

No

Usage restriction

Yes

The following Program Unique Terms apply. IBM installation of software as defined in these terms, supersedes customer installation and upgrade terms as defined in the IBM Agreement for Acquisition of Software Maintenance (Z125-6011).

This program is licensed for use with the IBM XIV Storage System with which the program was delivered and only to manage the capacity specified in the proof of entitlement document for that license. A separate license is required for each IBM XIV Storage System.

The following paragraphs titled *Disabling device*, *Multiple component versions*, and *Source code* apply to the use of the IBM XIV Storage System Software components. The term *Program* in these paragraphs shall mean the IBM XIV Storage System Software components.

Disabling device: The Program may include a disabling device that will prevent certain features from being used. You will not tamper with such disabling device or otherwise change the Program.

Multiple component versions: The media for the Program may include multiple versions of the same Program component, such as versions designed for different operating systems and versions translated into different languages. Each Proof of Entitlement for the Program authorizes You to use a single version of a Program component. You are not authorized to use multiple versions of the same Program component under the same Proof of Entitlement, even if multiple versions of a component are included on the media for the Program.

Source code: Some of the components of the Program may be provided in source code form. Notwithstanding anything to the contrary in this Agreement, support is only provided for the unmodified, binary code versions of these components included in the Program packaging, and not for the source code for these components or for any modifications of such components you may create.

Transferability: The Program is non-transferable between IBM XIV Storage Systems and is only to be used on the IBM XIV Storage System for which it was purchased. If the system is transferred to a new owner, the program license transfers with the system. However, Software Maintenance does not transfer, and a new maintenance agreement must be purchased by the new owner.

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 Subscription and Support applies

Yes. All distributed software licenses include Software Maintenance (Software Subscription and Technical 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.

While your Software Maintenance 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 Maintenance 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.

IBM Operational Support Services - SoftwareXcel

No

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

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

IBM Electronic Services

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.

The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support.

The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

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

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

Choose the option entitled Purchase/upgrade tools.

IBM XIV Storage System Software V11.0 Structure

For basic new order hardware corequisites, refer to the [Hardware requirements](#) section.

All available IBM XIV Storage System SW Drawer with Gen3 2TB drives function is contained in the Base XIV Storage System Software V11 feature.

5639-YYB software feature 0001 always has a one-to-one relationship with the number of active and entitled modules in a valid IBM XIV Storage System hardware configuration.

Program name: IBM XIV Storage System SW Drawer with Gen3 2TB drives
Program PID: 5639-YYB

5639-YYB:
IBM XIV Storage System SW Drawer with Gen3 2TB drives

Basic License Charge Feature description	Feature number
XIV SW Drawer Gen3 2TB drives Basic License Charge Per Storage Device with one year Software Maintenance	0001
Feature description	Feature number
Supply Feature Code	5809
Registration Feature Code	5005

IBM XIV Storage System Software Maintenance

5639-XX1:
IBM XIV Storage System SW Drawer with Gen3 2TB drives
Software Maintenance
One year No Charge registration and
one year Renewal

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 2TB drives Per Storage Device SW Maintenance No Charge Registration	0005
XIV SW Drawer Gen3 2TB drives Per Storage Device SW Maintenance one Year Renewal	0006

5639-XX2:
IBM XIV Storage System SW Drawer with Gen3 2TB drives
Software Maintenance
One Year After License

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 2TB drives Per Storage Device SW Maintenance one Year After License	0003

5639-XX9:
IBM XIV Storage System SW Drawer with Gen3 2TB drives
Software Maintenance
Two Year Registration

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 2TB drives Per Storage Device SW Maintenance Two Year Registration	0003

5639-XX3:
IBM XIV Storage System SW Drawer with Gen3 2TB drives
Software Maintenance
Three Year Registration

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 2TB drives Per Storage Device SW Maintenance Three Year Registration	0003

5639-XX4:
IBM XIV Storage System SW Drawer with Gen3 2TB drives
Software Maintenance
Three Year Renewal

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 2TB drives Per Storage Device SW Maintenance Three Year Renewal	0003

5639-XX5:
IBM XIV Storage System SW Drawer with Gen3 2TB drives
Software Maintenance
Three Year After License

SW Maintenance Feature description	Feature number
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XIV SW Drawer Gen3 2TB drives 0003
Per Storage Device
SW Maintenance Three Year After License

5639-X12:

IBM XIV Storage System SW Drawer with Gen3 2TB drives
Software Maintenance
Four Year Registration

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 2TB drives Per Storage Device SW Maintenance Four Year Registration	0004

5639-X11:

IBM XIV Storage System SW Drawer with Gen3 2TB drives
Software Maintenance
Five Year Registration

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 2TB drives Per Storage Device SW Maintenance Five Year Registration	0003

Pricing terms

Prices in the following PDF prices link are suggested list prices on day of announcement for the U.S. only. They are provided for your information only. Dealer prices may vary, and prices may also vary by country. IBM list price does not include tax or shipping and is subject to change without notice.

[ENUS-211-249-List_prices_2011_07_12.PDF](#)

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Order now

To order, contact the Americas Call Centers or 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).

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Internet: callserv@ca.ibm.com
Mail: IBM Teleweb Customer Support
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Markham, Ontario
Canada
L3R 2Z1

Reference: YE001

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Note: Shipments will begin after the planned availability date.

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<http://www.ibm.com/legal/us/en/>

For the most current information regarding IBM products, consult your IBM representative or reseller, or visit the IBM worldwide contacts page

<http://www.ibm.com/planetwide/us/>