



IBM XIV Storage System software V11.1.1. offers optional 1 TB raw capacity per drive support and delivers USGv6 certification and SCVMM 2012 integration for Model 114

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Overview

IBM® XIV® Storage System Gen3 Software V11.1.1 supports 1 TB raw capacity per drive in addition to the current 2 TB and 3 TB capacity options. Version 11.1.1 also complies with USGv6 requirements. Since July 1st 2010, USGv6 certification is mandated for all products bought by any US government agency, as part of the transition to IPv6. Version 11.1.1 has been USGv6-certified by the University of New Hampshire Interoperability Laboratory, and is also integrated with Microsoft™ System-Center Virtual Machine Manager (SCVMM) 2012.

XIV versions 11.1.x and 10.2.x have been certified for VMWare Site Recovery Manager (SRM) 4.1 and 5.x compliance.

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 Gen3 machine type 2810 or 2812, model 114 must occur at the same time as an initial IBM XIV Storage System Software V11.1.1 order.

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

Planned availability date

August 9, 2012

Description

IBM XIV Storage System Gen3 software release 11.1.1 supports 1 TB, 2 TB, and 3 TB raw capacity per drive options for Model 114.

IBM XIV Storage System Gen3 software V11.1.1 complies with USGv6 requirements. Since July 1st 2010, USGv6 certification is mandated for all products bought by any

US government agency, as part of the transition to IPv6. Version 11.1.1 has been USGv6-certified by the University of New Hampshire Interoperability Laboratory, and is also integrated with Microsoft System-Center Virtual Machine Manager (SCVMM) 2012.

The XIV hardware and software relationship

IBM XIV Storage System Gen3 Software Version 11.1.1 is available on machine type-models 2810-114 and 2812-114. There is a one-to-one relationship between the base XIV Storage System Software V11 features of 5639-YYB and the hardware module features on machine type-models 2810-114 and 2812-114. IBM XIV Storage System Gen3 Software is designed to make the XIV modules act as a redundant grid of storage.

New benefits of IBM XIV Storage System Software V11.1.1 include:

- 1 TB raw capacity per drive option: XIV now supports configurations as small as 27 TB of usable storage making it a viable option for customers with smaller capacity needs.
- XIV USGv6 certification: The enhanced security available with IPv6 is of particular interest to enterprise customers that adopted IPv6., such as federal agencies.
- SCVMM: Microsoft Hyper-V customers using XIV can now manage XIV storage through the standard Hyper-V tools for managing Virtual Machines for increased ease of management.

XIV versions 11.1.x and 10.2.x have been certified for VMWare Site Recovery Manager (SRM) 4.1 and 5.x compliance.

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 Gen3 software is the disk system operating software for the 2810-114 and 2812-114 IBM XIV Storage Systems Gen3. 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 midsize to high-end disk capacity demands. IBM XIV Storage System Gen3 is a core product in the IBM Information Infrastructure. It is a good fit for clients who want to grow capacity, improve overall performance, and reduce backup intervals, as well as reduce costs and task load on storage administrators, without the need to manage multiple tiers of storage.

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

Reference information

For previous IBM XIV Storage System Gen3 software information refer to Software Announcement [212-037](#), dated February 07, 2012, IBM XIV Storage System Software Version 11.1.0 (5639-YYB).

Program number

Program number	VRM	Program name
5639-YYB	11.1.1	IBM XIV Storage System Gen3 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

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=212-249>

Offering Information

Product information is available via the Offering Information website

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

Publications

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 Product Overview Operation Guide	GC27-3912
IBM XIV Storage System Planning Guide	GC27-3913
IBM XIV Storage System Commands Reference	GC27-3914
IBM XIV Storage System XCLI Guide	GC27-3915

IBM XIV Storage System API Reference	GC27-3916
IBM XIV Storage System Statement of Limited Warranty - 17 Languages	GC27-2268

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 US) 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 Gen3 Software V11.1.1 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 in the [Reference information](#) section for further information.

Software requirements

IBM XIV Storage System Gen3 software V11.1.1 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 Gen3 include:

- IBM System Storage® SAN Volume Controller
- IBM System Storage TS7650 server (3598-DD5)
- 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, 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 IBM XIV Storage System Gen3 Software V11.1.1 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 Gen3 Software V11.1.1 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.

Direct customer support

A technical advisor will be assigned to the customer for the first year of installation. This resource will provide general customer assistance for escalation of customer satisfaction issues, but does not change the standard IBM support structure or agreements. This resource will be available at no-charge for the first year. However, optional additional years of this advanced support will incur a charge. For full details, please contact your XIV Sales Specialist.

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

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

Packaging

New order packaging

IBM XIV Storage System Gen3 Software V11.1.1 can be preinstalled on, or installed with, and shipped with the corequisite IBM 2810-114 or 2812-114 XIV Storage System.

License information documents for the XIV Storage System Gen3 Software program ship with the new order.

The following documents will be shipped with each new IBM XIV Storage System Gen3 order as Hardcopy and/or on the XIV Documentation CD, as described below.

1. Standard IBM IPLA Booklet - Z125-3301 (P/N 98Y2575) (NO CHANGE FROM XIV 11.1.0). Needs to be provided as Hardcopy for XIV shipments to countries that don't honor Electronic Licensing. This license document should also be put in the Documentation CD.
2. XIV Storage System Software v11.1.1 License Information - GA32-0931 (P/N 98Y3517 with back cover P/N and bar code). Needs to be provided as Hardcopy for XIV shipments to countries that don't honor Electronic Licensing. This license document should also be put the XIV 11.1.1 Documentation CD.
3. IBM XIV Storage System Software v11.1.1 Notices and Information (no Doc Form ID) (P/N *** NEW *** to replace 98Y2566). Needs to be put on XIV 11.1.1 Documentation CD.

4. IBM XIV Storage System Software v11.1.1 Supplemental Notices and Information (no Doc Form ID) (P/N 98Y3518, no bar code): Needs P/N and bar code on back cover. Needs to be put on XIV Documentation CD.

Paid invoice acts as Proof of Entitlement (PoE) for all orders of IBM XIV Storage System Gen3 V11.1.1 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 Gen3 Software V11.1.1 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 Gen3 Software v11.1.1	5639-YYB	per Storage Device

IBM XIV Storage System Gen3 software V11.1.1 Structure

The billing features and pricing information for IBM XIV Storage System Gen3 Software V11.1 remain unchanged.

For details, refer to the following Software Announcements:

- [212-249](#), dated July 24, 2012 , (IBM XIV Storage System Software Version 11.1.1 (5639-YYB) supports 1 TB raw capacity per drive)
- [212-037](#), dated February 07, 2012 , (IBM XIV Storage System Software Version 11.1.0 (5639-YYB) provides support for SSD hardware component)
- [211-416](#), dated October 11, 2011 , (IBM XIV Storage System Software Version 11.0.1 (5639-YYB) supports 3 TB SAS drives)
- [211-249](#), dated July 12, 2011 , (IBM XIV Storage System Software Version 11.0.0 (5639-YYB) support for new hardware)

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

All available IBM XIV Storage System Gen3 Software V11.1.1 function is contained in the Base XIV Storage System Gen3 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 Gen3 hardware configuration.

Program name: IBM XIV Storage System Gen3 software V11.1.1
Program PID: 5639-YYB

5639-YYB:
IBM XIV SW Drawer Gen3 1TB raw capacity per drive

Basic License Charge one-time charge Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive Basic License Charge Per Storage Device with one year Software Maintenance	0003

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 1 TB raw capacity per drive hardware modules must be accompanied by the appropriate corequisite 1 TB software chargeable code. Capacity on Demand is not available for the 1 TB option.

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 billing features and pricing information for IBM XIV Storage System Gen3 software V11.1 remain unchanged.

For details, refer to the following Software Announcements:

- [212-249](#), dated July 24, 2012 , (IBM XIV Storage System Software Version 11.1.1 (5639-YYB) supports 1 TB raw capacity per drive)
- [212-037](#), dated February 07, 2012 , (IBM XIV Storage System Software Version 11.1.0 (5639-YYB) provides support for SSD hardware component)
- [211-416](#), dated October 11, 2011 , (IBM XIV Storage System Software Version 11.0.1 (5639-YYB) supports 3 TB SAS drives)
- [211-249](#), dated July 12, 2011 , (IBM XIV Storage System Software Version 11.0.0 (5639-YYB) support for new hardware)

The software license for IBM XIV Storage System SW Drawer with Gen3 1 TB raw capacity per drive 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 SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
One year No Charge registration and
one year Renewal

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance No Charge Registration	0009

XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance one Year Renewal	0010
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5639-XX2:

IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
One Year After License

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance one Year After License	0005

5639-XX9:

IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
Two Year Registration

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance two Year Registration	0005

5639-XX3:

IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
Three Year Registration

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance Three Year Registration	0005

5639-XX4:

IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
Three Year Renewal

SW Maintenance Feature description	Feature number
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XIV SW Drawer Gen3 1TB raw capacity per drive 0005
Per Storage Device
SW Maintenance Three Year Renewal

5639-XX5:

IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
Three Year After License

SW Maintenance Feature description	Feature number
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XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance Three Year After License	0005
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5639-X12:

IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
Four Year Registration

SW Maintenance Feature description	Feature number
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XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance Four Year Registration	0006
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5639-X11:

IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
Five Year Registration

SW Maintenance Feature description	Feature number
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XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance Five Year Registration	0005
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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.

Customized Offerings

Product deliverables are shipped only via CBPDO, ServerPac, SystemPac® .

CBPDO and ServerPac are offered for Internet delivery in countries where ShopzSeries product ordering is available. Internet delivery reduces software delivery time and allows you to install software without the need to handle tapes. For more details on Internet delivery, refer to the ShopzSeries help information at

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

You choose the delivery method when you order the software. IBM recommends Internet delivery. In addition to Internet and DVD, the supported tape delivery options for CBPDO, ServerPac, and SystemPac , include:

- 3590
- 3592

Most products can be ordered in ServerPac and SystemPac the month following their availability on CBPDO. z/OS® can be ordered via all three offerings at general availability. 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 general availability
- SystemPac shipments will begin four weeks after general availability 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 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.

Note: IBM XIV Storage System Gen3 Software V11.1.1 with 1 TB raw capacity per drive cannot be ordered as Capacity on Demand.

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.

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 website

<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://techsupport.services.ibm.com/guides/handbook.html>

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.

Statement of good security practices

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

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>

Information on charges is available at

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

Choose the option entitled Purchase/upgrade tools.

IBM XIV Storage System Gen3 Software V11.1.1 Structure

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

All available IBM XIV Storage System Software 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 Gen3 hardware configuration.

Program name: IBM XIV Storage System Gen3 software V11.1.1
Program PID: 5639-YYB

5639-YYB:
IBM XIV SW Drawer Gen3 1TB raw capacity per drive

Basic License Charge one-time charge Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive Basic License Charge Per Storage Device with one year Software Maintenance	0003

IBM XIV Storage System Software Maintenance

5639-xx1:
IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
One year No Charge registration and
one year Renewal

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance No Charge Registration	0009

XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance one Year Renewal	0010
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5639-xx2:
IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
One Year After License

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive	0005

Per Storage Device
SW Maintenance one Year After License

5639-XX9:
IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
Two Year Registration

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance two Year Registration	0005

5639-XX3:
IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
Three Year Registration

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance Three Year Registration	0005

5639-XX4:
IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
Three Year Renewal

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance Three Year Renewal	0005

5639-XX5:
IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
Three Year After License

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance Three Year After License	0005

5639-X12:
IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
Four Year Registration

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance Four Year Registration	0006

5639-X11:

IBM XIV SW Drawer Gen3 1TB raw capacity per drive
Software Maintenance
Five Year Registration

SW Maintenance Feature description	Feature number
XIV SW Drawer Gen3 1TB raw capacity per drive Per Storage Device SW Maintenance Five Year Registration	0005

Pricing terms

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