



IBM XIV Storage System Gen3 Software Version 11.1.0 supports SSD caching and multi-system management enhancements, and IBM XIV Storage System Software Version 10.2.4.e offers cross-generation mirroring

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Overview

IBM® XIV® Storage System Gen3 Software V11.1.0 (5639-YYB) is now available to support SSD caching for Gen3 hardware, mirroring between Gen3 and previous XIV models, multi-system management enhancements, and real-time XIV monitoring with the Apple iPhone.

IBM XIV Storage System V10.2.4.e offers cross-generation mirroring.

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 V11.1.0 order.

For mirroring on previous XIV models, IBM XIV Storage System Software must be at 10.2.4.e and IBM XIV Storage System Gen3 Software must be at 11.1.

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

Planned availability date

March 8, 2012

Description

The XIV hardware and software relationship

IBM XIV Storage System Gen3 Software V11.1 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. In addition to those featured in the base software, many advanced functions are now available in the IBM XIV Storage System Software V11.1.

SSD read caching for random workloads

Gen3 Software V11.1 supports heterogeneous workloads and any IO access pattern with SSD read caching performance boost.

Mirroring between Gen3 and previous XIV models

IBM XIV Storage System V11.1 now includes support to set up synchronous and asynchronous mirrors between Gen3 and previous XIV models, bidirectional mirroring, and re-purposing of previous XIV models to disaster recovery sites.

Multi-system management enhancements

IBM XIV Storage System Gen3 Software V11.1 includes support for monitoring up to 81 XIV systems in a single GUI and the capability to search for objects in all of the XIV systems managed by the GUI, rather than just a specific XIV machine.

Real-time XIV monitoring on the Apple iPhone

Gen3 Software includes system performance and capacity utilization (App available solely through Apple's App Store).

New functionality available in IBM XIV Storage System Software V10.2.4.e

This version includes the ability to set up cross-generation synchronous and asynchronous mirroring.

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 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.

Also, IBM XIV Storage System Software V10.2.4.e offers cross-generation mirroring.

Statement of direction

It is the current plan and intent of IBM that the IBM XIV Storage System Gen3 (XIV System) will support IPv6 and IPsec protocols on all of its management ports, and will conform to the USGv6 v1.0 profile. Completion of USGv6 certification testing is planned for the first half of 2012. It is intended that support for these protocols will allow the XIV System, with Fibre Channel connected hosts, to operate in a pure IPv6 environment.

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

Reference information

For previous IBM XIV Storage System Gen3 software information, refer to Hardware Announcement [211-416](#), dated October 11, 2011, (IBM XIV Storage System Software Version 11.0.1 (5639-YYB) supports 3 TB SAS drives).

Program number

Program number	VRM	Program name
5639-YYB	11.1.0	IBM XIV Storage System Gen3 Software
5639-XXA	10.2.4.e	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	
		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
Program PID number	Maintenance 1 year PID number	Maintenance 3 year PID number	
5639-XXA	5639-XX1 1-Yr Reg/Renewal	5639-XX3 3-Yr Registration	
	5639-XX2	5639-XX4	

1-Yr After License 3-Yr Renewal

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-XXA	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=212-037>

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 Operation Guide	GC27-3912
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 V11.1.0 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 Gen3 software V11.1.0 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 Gen3 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 IBM XIV Storage System Gen3 Software V11.1.0 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 Gen3 Software V11.1.0 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.

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 V11.1.0 can be preinstalled on or installed with and shipped with the corequisite IBM 2810-114 and 2812-114 XIV Storage System.

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

The following hard copy software documents will be shipped with each new IBM XIV Storage System Gen3 order:

- International Program License Agreement (IPLA) document, Z125-3301
- License Information for IBM XIV Storage System Gen3 Software V11.1.0, GA32-0931

Paid invoice acts as Proof of Entitlement (PoE) for all orders of IBM XIV Storage System Gen3 V11.1.0 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 Gen3 Software V11.1.0 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 V11.1.0	5639-YYB	per Storage Device

Program name	PID number	Charge metric
IBM XIV Storage System Software V10.2.4.e	5639-XXA	per Storage Device

IBM XIV Storage System Gen3 Software V11.1.0 Structure

Billing features and pricing information for IBM XIV Storage System Gen3 Software V11.1 remain unchanged. For details, refer to Software Announcement [211-416](#), dated October 11, 2011,(IBM XIV Storage System Software Version 11.0.1 (5639-YYB) supports 3 TB SAS drives).

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

All available IBM XIV Storage System Gen3 Software V11.1.0 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 V11.1.0
Program PID: 5639-YYB

IBM XIV Storage System Software V10.2.4.e Structure

Billing features and pricing information for IBM XIV Storage System Software V10.2.4.e remain unchanged.

Program name: IBM XIV Storage System Software V10.2.4.e
Program PID: 5639-XXA

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

IBM representatives should confirm that the co-required 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 3 TB SAS drives hardware modules must be accompanied by the appropriate corequisite 3 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.

Billing features and pricing information for IBM XIV Storage System Gen3 Software V11.1 and IBM XIV Storage System Software V10.2.4.e remain unchanged. For details, refer to Software Announcement [211-416](#), dated October 11, 2011, (IBM XIV Storage System Software Version 11.0.1 (5639-YYB) supports 3 TB SAS drives).

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, and 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.

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, supercedes 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://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.

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 Gen3 Software V11.1.0 Structure

Billing features and pricing information for IBM XIV Storage System Gen3 Software V11.1 remain unchanged. For details, refer to Software Announcement [211-416](#), dated October 11, 2011, (IBM XIV Storage System Software Version 11.0.1 (5639-YYB) supports 3 TB SAS drives).

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.

IBM XIV Storage System Software V10.2.4.e Structure

Billing features and pricing information for IBM XIV Storage System Software V10.2.4.e remain unchanged.

IBM Global Financing

IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or visit

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

IBM Global Financing offerings are provided through IBM Credit LLC in the United States, and other IBM subsidiaries and divisions worldwide to qualified commercial and government customers. Rates are based on a customer's credit rating, financing terms, offering type, equipment type, and options, and may vary by country. Other restrictions may apply. Rates and offerings are subject to change, extension, or withdrawal without notice.

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payment and term flexibility, and can help match project costs to projected benefits. Financing is available worldwide for credit-qualified customers.

For more financing information, visit

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

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

Reference: YE001

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

Note: Shipments will begin after the planned availability date.

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