



IBM Systems Director Storage Control V4.2.1 offers a single control point within the data center for managing both server and storage resources

Table of contents

1	Overview	4	Technical information
2	Key prerequisites	6	Ordering information
2	Planned availability date	8	Terms and conditions
2	Description	11	Prices
3	Program number	13	Order now
4	Publications		

At a glance

IBM® Systems Director Storage Control V4.2.1 software, an IBM Systems Director plug-in, expands the storage devices supported, ranging from entry level to enterprise class storage systems and Fibre Channel switches, broadening storage management to more devices attached to IBM servers.

The main features in this release are:

- Storage resource discovery and inventory collection
- Health status and alerting
- Capacity status
- Integrated provisioning management
- Device support for DS8000™, SAN Volume Controller, the new IBM Storwize V7000, and Brocade Fibre Channel switches
- Command-line interface for device discovery

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: RE001).

Overview

IBM Systems Director Storage Control provides a single control point within the data center for managing both server resources and storage resources. The single console allows for device discovery, correlated inventory collection, and visualization of storage resources in the data center.

In a seamless and integrated fashion, this product, a plug-in to IBM Systems Director, expands the device coverage to include additional storage resources. Along with health status, the storage device configuration and inventory is collected and available for topology and table display within the resource navigator. The inventory correlation allows the user to view and understand not only what the storage device has in its configuration, but also how it relates to the IBM servers consuming storage resource from the external storage devices.

Integrated health reporting of the storage devices managed by this plug-in, displays the device status from a variety of topology and device listing reports, enabling rapid and simple identification of storage resource status. For its database-intensive operations, IBM Systems Director Storage Control uses the Systems

Director management server database, which is based on IBM DB2® technology and is designed to manage data more effectively and efficiently. The increased scalability and the ability to leverage the latest in data server technology helps deliver increased performance. IBM DB2 Enterprise Server Edition (DB2 ESE) will be available for limited use with the product concurrent with the availability of this product. DB2 ESE will be available for download with the product at no additional cost.

This plug-in is compatible with IBM Systems Director VMControl™ when the storage systems being managed are supported with the IBM Systems Director VMControl System Pools. IBM Systems Director Storage Control is also compatible with IBM Systems Director Active Energy Manager™ as it pertains to the DS8000 storage device inventory collection and management.

Key prerequisites

IBM Systems Director Storage Control V4.2.1 requires IBM Systems Director V6.2, or later, and required updates. IBM Systems Director Storage Control will be available for AIX®, Windows®, and Linux® on IBM x86 operating environments.

IBM Systems Director Storage Control V4.2.1 requires IBM DB2 Enterprise Server Edition 9.7. Clients not using DB2 Enterprise Server Edition 9.7 will have to migrate to DB2 Enterprise Server Edition 9.7 to utilize IBM Systems Director Storage Control.

For more details, refer to the [Hardware requirements](#) and [Software requirements](#) sections.

Planned availability date

December 17, 2010

Description

IBM Systems Director Storage Control V4.2.1 provides management simplification of storage resources within the data center. With a minimal set of panels, this plug-in install is simple and straightforward, rapidly allowing for an expanded storage device support from the Systems Director console. Systems Director expands its device support coverage to include the DS8000 storage line, and the SAN Volume Controller line, along with Brocade Fibre Channel switches.

Improved device interaction delivers greater scalability and performance. IBM System Storage® DS8000, IBM SAN Volume Controller, and IBM Storwize V7000 storage devices can now communicate using the storage devices' native application programming interfaces (APIs). This helps improve scalability and stability in these environments. These storage device interfaces can help significantly improve the performance of IBM Systems Director Storage Control V4.2.1 products when they communicate with these storage devices and deliver increased operational efficiencies and infrastructure stabilities.

IBM Systems Director VMControl System Pools features and enhancements being added to IBM Systems Director VMControl V2.3 include:

- Command-line interface for device discovery
- Graphical user interface for device inventory collection and display
- Health and capacity status
- Graphical user interface for topology and table views of correlated storage relationships
- Integrated storage provisioning

Installation of the plug-in allows the user to enjoy a complete set of inventory collection, topology and table reporting, health and capacity status tasks. IBM Systems Director Storage Control enables integrated storage provisioning capabilities.

A 60-day evaluation license allows all of the Storage Control capabilities to be enabled for test and evaluation. The client is able to purchase and install a permanent license at any time. After the evaluation period, the integrated storage provisioning capabilities will be disabled.

Accessibility by people with disabilities

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

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

Section 508 of the U.S. Rehabilitation Act

IBM Systems Director Storage Control V4.2.1 is capable as of December 17, 2010, when used in accordance with IBM's associated documentation, of satisfying the applicable requirements of Section 508 of the U.S. Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

Reference information

Refer to Software Announcement [210-356](#), dated October 07, 2010, for IBM Easy Storage V6.1.0.

Refer to Hardware Announcement [110-220](#), dated October 07, 2010, for IBM Easy Storage 200V.

Program number

Program number	VRM	Program name
5765-ASM	4.2.1	IBM Systems Director Storage Control
5660-ASM		SW Maintenance Regist/Renewal 1 Year
5661-ASM		SW Maintenance After License 1 Year
5662-ASM		SW Maintenance Registration 3 Year
5663-ASM		SW Maintenance Renewal 3 Year
5664-ASM		SW Maintenance After License 3 Year

Product identification number

Program PID number	Maintenance 1-year PID number	Maintenance 3-year PID number
5765-ASM	5660-ASM 5661-ASM	5662-ASM 5663-ASM 5664-ASM

Evaluation software

If you download IBM Systems Director Storage Control V4.2.1 from the web, you can evaluate the product for up to 60 days under the terms of the IBM International License Agreement for Evaluation of Programs (ILAE). During the evaluation period, an option to purchase a license will be offered. If a license is purchased,

a keyfile will be shipped on a CD-ROM to enable IBM Systems Director Storage Control to remain active and continue to work as it did, under the terms of the IBM International Program License Agreement (IPLA). Otherwise, your evaluation of IBM Systems Director Storage Control storage provisioning capabilities will be disabled 60 days following installation.

IBM Systems Director V6.2 Information Center availability

The IBM Systems Director V6.2 Information Center website is planned to be updated with information pertinent to IBM Systems Director V6.2 updates and its associated plug-ins on or before December 17, 2010. Visit

<http://publib.boulder.ibm.com/infocenter/director/v6r2x/index.jsp>

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=210-326>

Publications

No licensed hardcopy publications are shipped with this program.

Publications are available in U.S. English from the IBM Systems Director V6.2 Information Center.

The IBM Systems Director V6.2 Information Center provides you with a single information center where you can access product documentation for Systems Director V6.2 and updates and its associated plug-ins. The IBM Systems Director V6.2 Information Center is available at

<http://publib.boulder.ibm.com/infocenter/director/v6r2x/index.jsp>

To find information, you can search, browse the contents, follow links from one topic to related topics, and print the topics you want to read offline.

Technical information

Specified operating environment

Hardware requirements

IBM Systems Director Storage Control V4.2.1 is dependent on IBM Systems Director V6.2 and has the same hardware requirements as IBM Systems Director V6.2. These hardware requirements are available from the IBM Systems Director V6.2 Information Center at

http://publib.boulder.ibm.com/infocenter/director/v6r2x/topic/com.ibm.director.plan.helps.doc/fqm0_r_hardware_requirements.html

Software requirements

IBM Systems Director Storage Control V4.2.1 is available for certain versions of AIX, Windows, and Red Hat Enterprise Linux on IBM x86, and is dependent on IBM Systems Director V6.2 and required updates for these operating environments.

IBM Systems Director Storage Control requires IBM DB2 Enterprise Server Edition 9.7 (DB2 ESE) as the Systems Director management server database. DB2 ESE is available for limited use with the product concurrent with the availability of this product. DB2 ESE will be available for download with the product at no additional cost.

Software requirements for IBM Systems Director Storage Control will be available on or before December 17, 2010, from the IBM Systems Director V6.2 Information Center at

http://publib.boulder.ibm.com/infocenter/director/v6r2x/topic/com.ibm.director.storagectrl.helps.doc/fqm0_r_sm_storage_ctrl_sw_requirements.html

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.

Limitations

Limitations and work-arounds are available from the IBM Systems Director V6.2 Information Center

<http://publib.boulder.ibm.com/infocenter/director/v6r2x/index.jsp>

IBM DB2 Enterprise Server Edition 9.7 will be available from the IBM Systems Director download site, under the terms and conditions of the IBM Systems Director Storage Control and IBM Systems Director license agreement. DB2 is the prerequisite Systems Director management server database required with IBM Systems Director Storage Control. The use of DB2 is limited to the IBM Systems Director management servers only, and is not licensed for any other use.

Planning information

Direct customer support

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

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

Packaging

The IBM Systems Director Storage Control package contains one CD-ROM that includes product installation documentation and files.

Your Proof of Entitlement for this program is a copy of a paid sales receipt, purchase order, invoice, or other sales record from IBM or its authorized reseller from whom you acquired the program, provided that it states the license charge unit (the characteristics of intended use of the program; for example, number of processors, number of users) and quantity acquired.

Information about how you may obtain program services will be provided by the party (either IBM or its authorized reseller) from whom you acquired the program.

IBM Systems Director Storage Control and IBM DB2 Enterprise Server Edition will be available on or before December 17, 2010, for electronic download from

<http://www.ibm.com/systems/software/director/downloads/>

IBM Systems Director Storage Control will be available for AIX, Windows, and Red Hat Enterprise Linux on IBM x86 operating environments.

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Security, auditability, and control

IBM Systems Director Storage Control V4.2.1 uses the security and auditability features of the host operating system. 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 Systems Director Storage Control V4.2.1	5765-ASM	Per server
SW Maintenance Regist/Renewal 1 Year	5660-ASM	Per server
SW Maintenance After License 1 Year	5661-ASM	Per server
SW Maintenance Registration 3 Year	5662-ASM	Per server
SW Maintenance Renewal 3 Year	5663-ASM	Per server
SW Maintenance After License 3 Year	5664-ASM	Per server

Server

Server is a unit of measure by which the program can be licensed. A *server* is a physical computer that is comprised of processing units, memory, and input/output capabilities and that executes requested procedures, commands, or applications for one or more users or client devices. Where racks, blade enclosures, or other similar equipment is being employed, each separable physical device (for example, a blade or a rack-mounted device) that has the required components is considered itself a separate server. For the purpose of server-based licensing, Licensee must obtain entitlements for each server which is made available to the program, regardless of the number of processor cores or partitions in the server or the number of copies of the program on the server.

IBM Systems Director Storage Control uses per server charging metric. A server license is required for each installation of the IBM Systems Director Storage Control program.

IBM Systems Director Storage Control requires a keyfile to make the product operational after the 60-day evaluation period. This keyfile is sent on a CD-ROM after placing an order for the 5765-ASM product.

Orders may be placed beginning with configurator availability.

For new orders for IBM Systems Director Storage Control V4.2.1, select from the following table:

5765-ASM IBM Systems Director Storage Control	
Description	OTC feature number
Per Server with 1 Year SW Maintenance	0001

Upgrades

IBM is releasing upgrade features to support IBM Systems Director Storage Control upgrades to IBM Tivoli® Storage Productivity Center Basic Edition.

Upgrade from 5765-ASM to 5608-WB1

Description	OTC feature number
Upgrade from 5765-ASM (0001) Per Server	0003

Software Maintenance

This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

Extending coverage for a total of three years from the date of acquisition may be elected. Order the program number, feature number, and quantity to extend coverage for your software licenses. If maintenance has expired, specify the after license feature number.

The scope of IBM Systems Director Storage Control V4.2.1 SWMA also includes support for the IBM Systems Director V6.2 management server on which the IBM Systems Director Storage Control application is running. With this extended coverage, greater value is gained from already existing IBM Systems Director Storage Control software environments, assuring support for IBM Systems Director Storage Control and the prerequisite IBM Systems Director management server environment. This offering does not include support for IBM Systems Director V6.2 on servers being managed by Systems Director. SWMA for IBM Systems Director Storage Control may be obtained by ordering the following:

Feature description	Program number	OTC feature number
SW Maintenance Registration/Renewal 1 Year Per Server 1 Year No-Charge Registration Per Server 1 Year Renewal	5660-ASM	1651 1652
SW Maintenance After License 1 Year Per Server 1 Year After License	5661-ASM	0596
SW Maintenance Registration 3 Year Per Server 3 Year Registration	5662-ASM	0873
SW Maintenance Renewal 3 Year	5663-ASM	

Per Server 3 Year Renewal		0178
SW Maintenance After License 3 Year	5664-ASM	
Per Server 3 Year After License		0001

Note: IBM Systems Director Storage Control 1-Year and 3-Year Software Maintenance renewals in the U.S. are orderable via 5660-ASM and 5663-ASM, respectively.

Program number	Description	Feature number
5765-ASM	CD Deliverable (with HLI 3410)	5809
5765-ASM	Registration Only	3444
5765-ASM	Electronic Software Delivery	3450
5765-ASM	Ship Media Only	3470
5765-ASM	Ship Documentation Only	3471

Expedite feature for licensed programs and SWMA programs:

Program number	Description	Feature number
5765-ASM	Branch Office Expedite	3445
5660-ASM	Branch Office Expedite	3445
5661-ASM	Branch Office Expedite	3445
5662-ASM	Branch Office Expedite	3445
5663-ASM	Branch Office Expedite	3445
5664-ASM	Branch Office Expedite	3445

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 Subscription and Support with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option, if available. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

License Information form number

GC52-1372

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>

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

Software Subscription and Support applies

Yes.

All distributed software licenses include Software Subscription and Support (also referred to as Software Maintenance) 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

Electronic Service Agent™ and the IBM Electronic Support web portal are dedicated to providing fast, exceptional support to IBM Systems customers. The IBM Electronic Service Agent tool is a no-additional-charge tool that proactively monitors and reports hardware events, such as system errors, performance issues, and inventory. The Electronic Service Agent tool can help you stay focused on your company's strategic business initiatives, save time, and spend less effort managing day-to-day IT maintenance issues. Servers enabled with this tool can be monitored remotely around the clock by IBM Support all at no additional cost to you.

Now integrated into the base operating system of AIX 5.3, AIX 6.1, and AIX 7.1, Electronic Service Agent is designed to automatically and electronically report system failures and utilization issues to IBM, which can result in faster problem resolution and increased availability. System configuration and inventory information collected by the Electronic Service Agent tool also can be viewed on the secure Electronic Support web portal, and used to improve problem determination and resolution by you and the IBM support team. To access the tool main menu, simply type "smitty esa_main", and select "Configure Electronic Service Agent." In addition, ESA now includes a powerful web user interface, giving the administrator easy access to status, tool settings, problem information, and filters. For more information and documentation on how to configure and use Electronic Service Agent, refer to

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

The IBM Electronic Support portal is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. This portal enables you to gain easier access to IBM resources for assistance in resolving technical problems. The My Systems and Premium Search functions make it even easier for Electronic Service Agent tool-enabled customers to track system inventory and find pertinent fixes.

Benefits

Increased uptime: The Electronic Service Agent tool is designed to enhance the Warranty or Maintenance Agreement by providing faster hardware error reporting

and uploading system information to IBM Support. This can translate to less wasted time monitoring the "symptoms," diagnosing the error, and manually calling IBM Support to open a problem record. Its 24 x 7 monitoring and reporting mean no more dependence on human intervention or off-hours customer personnel when errors are encountered in the middle of the night.

Security: The Electronic Service Agent tool is designed to be secure in monitoring, reporting, and storing the data at IBM. The Electronic Service Agent tool securely transmits either via the Internet (HTTPS or VPN) or modem, and can be configured to communicate securely through gateways to provide customers a single point of exit from their site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into a customer's system. System inventory information is stored in a secure database, which is protected behind IBM firewalls. It is viewable only by the customer and IBM. The customer's business applications or business data is never transmitted to IBM.

More accurate reporting: Since system information and error logs are automatically uploaded to the IBM Support center in conjunction with the service request, customers are not required to find and send system information, decreasing the risk of misreported or misdiagnosed errors. Once inside IBM, problem error data is run through a data knowledge management system and knowledge articles are appended to the problem record.

Customized support: Using the IBM ID entered during activation, customers can view system and support information in the "My Systems" and "Premium Search" sections of the Electronic Support website at

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

My Systems provides valuable reports of installed hardware and software using information collected from the systems by Electronic Service Agent. Reports are available for any system associated with the customer's IBM ID. Premium Search combines the function of search and the value of Electronic Service Agent information, providing advanced search of the technical support knowledgebase. Using Premium Search and the Electronic Service Agent information that has been collected from your system, customers are able to see search results that apply specifically to their systems.

For more information on how to utilize the power of IBM Electronic Services, contact your IBM Systems Services Representative, or visit

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

Prices

For additional information and current prices, contact your local IBM representative.

5765-ASM IBM Systems Director Storage Control

Description	OTC feature number	OTC
Per Server with 1 Year SW Maintenance	0001	

Upgrades

Upgrade from 5765-ASM to 5608-WB1

Description	OTC feature number	OTC
Upgrade from 5765-ASM (0001) Per Server	0003	

Software Maintenance

Feature description	Program number	OTC feature number	OTC
SW Maintenance Registration/Renewal 1 Year Per Server 1 Year No-Charge Registration Per Server 1 Year Renewal	5660-ASM	1651 1652	
SW Maintenance After License 1 Year Per Server 1 Year After License	5661-ASM	0596	
SW Maintenance Registration 3 Year Per Server 3 Year Registration	5662-ASM	0873	
SW Maintenance Renewal 3 Year Per Server 3 Year Renewal	5663-ASM	0178	
SW Maintenance After License 3 Year Per Server 3 Year After License	5664-ASM	0001	

Note: IBM Systems Director Storage Control 1-Year and 3-Year Software Maintenance renewals in the U.S. are orderable via 5660-ASM and 5663-ASM, respectively.

Program number / Feature number	Description	One-time charge
5765-ASM	License including 1 year SW maintenance	
0001	Per Server with 1 Year SW Maintenance	\$1,000
5660-ASM	SW Maintenance Regist/ Renewal 1 Year	
1651	Per Server 1 Year No-Charge Regist	
1652	Per Server 1 Year Renewal	200
5661-ASM	SW Maintenance After License 1 Year	
0596	Per Server 1 Year After License	600
5662-ASM	SW Maintenance Registration 3 Year	
0873	Per Server 3 Year Registration	340
5663-ASM	SW Maintenance Renewal 3 Year	
0178	Per Server 3 year Renewal	540
5664-ASM	SW Maintenance After License 3 Year	
0001	Per Server 3 year After License	940
5608-WB1	SW Maintenance After License 3 Year	
0003	Upgrade from 5765-ASM (0001) Per Server	1,000

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-03.ibm.com/financing/us/index.html>

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.

Financing from IBM Global Financing helps you preserve cash and credit lines, enables more technology acquisition within current budget limits, permits accelerated implementation of economically attractive new technologies, offers payment and term flexibility, and can help match project costs to projected benefits. Financing is available worldwide for credit-qualified customers.

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).

Phone: 800-IBM-CALL (426-2255)
Fax: 800-2IBM-FAX (242-6329)
For IBM representative: callserv@ca.ibm.com
For IBM Business Partner: pwswna@us.ibm.com
Mail: IBM Teleweb Customer Support
ibm.com® Sales Execution Center, Americas North
3500 Steeles Ave. East, Tower 3/4
Markham, Ontario
Canada
L3R 2Z1

Reference: RE001

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.

Trademarks

DS8000, Systems Director VMControl, IBM Systems Director Active Energy Manager and Electronic Service Agent are trademarks of IBM Corporation in the United States, other countries, or both.

IBM, DB2, AIX, System Storage, PartnerWorld, Tivoli, Passport Advantage and ibm.com are registered trademarks of IBM Corporation in the United States, other countries, or both.

Windows is a registered trademark of Microsoft Corporation in the United States, other countries, or both.

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

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

Terms of use

IBM products and services which are announced and available in your country can be ordered under the applicable standard agreements, terms, conditions, and prices in effect at the time. IBM reserves the right to modify or withdraw this announcement at any time without notice. This announcement is provided for your information only. Additional terms of use are located at

<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/>