



IBM SmartCloud Entry for Power , V3.1 delivers a quick and easy, multi-platform private cloud solution for IBM Power Systems servers

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At a glance

IBM SmartCloud® Entry for Power® , V3.1 offers:

- A self-service portal to provision and manage virtualized applications
- Heterogeneous support for IBM® PowerVM® , Linux™ Kernel-based Virtual Machine (KVM), VMware vSphere, and Microsoft™ Hyper-V virtualization environments
- Support for deploy, resize and capture, backup and restore, image management, expirations, and billing and metering
- Ability to suspend and resume a workload on all cloud types, deploy multiple instances of an image at a time, create multiple configurations of virtual images, and allow these image configurations to exist in different projects
- Support for the Safari browser on an Apple iPad
- All functions previously available with SmartCloud Entry V2.4

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

Overview

IBM SmartCloud Entry for Power , V3.1 is a multi-platform private cloud solution that is simple to deploy and easy to use. It enables data center managers to quickly deploy web-based self-service provisioning of virtualized workloads with basic metering/billing. Its simple interface eliminates provisioning request backlogs, increasing IT efficiency and lowering administration costs.

With SmartCloud Entry for Power , IT teams can quickly and easily start the transition to a cloud-based infrastructure and leverage the benefits of a cloud delivery model.

Key prerequisites

IBM Power Systems™ or IBM BladeCenter® server running AIX® 7 or AIX 6.

Refer to the *SmartCloud Entry Version 3.1 Administrators Guide* for complete prerequisite information

<https://www.ibm.com/developerworks/wiki/smart-cloud-entry/documentation>

Planned availability date

June 14, 2013

Description

IBM SmartCloud Entry for Power is a lightweight private cloud offering that is designed to be simple to deploy and easy to use, and provides essential Infrastructure as a Service (IaaS) cloud capabilities on top of a multi-platform virtualized environment.

IBM SmartCloud Entry features a self-service portal for workload provisioning, virtualized image management, monitoring, security, automation, basic metering, and integrated platform management. It simplifies cloud administration with an intuitive interface, is open and extensible for easy customization to help tailor to unique business environments and the standardization of virtual machines and images, reduces management costs, and accelerates responsiveness to changing business needs.

New features of SmartCloud Entry V3.1 include:

- Ability to suspend and resume a workload on all cloud types.
- Ability to deploy multiple instances of an image at a time.
- Ability to create multiple configurations of virtual images, and allowing these image configurations to exist in different projects.
- Ability to set user Secure Shell (SSH) keys during deployment to VMware and Microsoft Hyper-V environments
- Support for secure access to LDAP servers that is required to meet most security guidelines/standards. A local user repository is also provided for demonstrations and proof of concepts.

Additional SmartCloud Entry V3.1 enhancements when integrated with IBM Systems Director VMControl™ Enterprise Edition:

- Ability to resize a disk at deployment time.
- Ability to set a priority on workload, which can be used during host evacuation and workload mobility.
- Ability to pin a workload to a host, which would prevent it from being moved during relocation for workload balancing.
- Ability to enable remote restart to maintain availability of virtual servers and workloads within a server system pool. This includes automatic prioritized workload restart.
- Ability to attach storage using NPIV when deploying to a system pool.
- Ability to deploy IBM System i® images to system pools.
- Ability to enable Active Memory™ Expansion (AME) as well as change settings during deployments.

SmartCloud Entry V3.1 can be accessed by enterprise web browsers, including the Safari browser on an Apple iPad.

SmartCloud Entry V3.1 continues to provide all SmartCloud Entry V2.4 capabilities, including:

- A single instance of SmartCloud Entry that can manage Power Systems or IBM System x® servers
- Heterogeneous cloud provider support from a single SmartCloud Entry user interface
- Ability to export approval requests from the SmartCloud Entry database to a file for logging historical information related to the cloud
- Ability to export events from the SmartCloud Entry database to a file for logging historical events occurring across the cloud
- Ability to create unique cloud settings for each cloud instance through a single user interface
- Ability to create custom network configurations for each cloud instance on a single user interface
- Ability to author approval policies, requiring the cloud administrator approvals unique to each cloud instance
- Ability for the cloud administrator to establish custom approval policies at the project level, overriding the cloud instance default behavior
- Assistance for the cloud administrator with regular maintenance through the ability to clear events from the SmartCloud Entry database
- Ability for the cloud administrator to generate custom expiration policies for each cloud instance, determining unique deployment expiration behavior for each cloud type
- Ability for the cloud administrator to establish custom expiration policies at the project level, overriding the cloud instance default for unique settings such as enablement, maximum expiration date, grace period, and whether to stop or delete the workload upon expiration

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

Section 508 of the US Rehabilitation Act

IBM SmartCloud Entry for Power , V3.1, when used in accordance with IBM's associated documentation, satisfies the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A US Section 508 Voluntary Product Accessibility Template (VPAT) can be requested at

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

Product positioning

IBM SmartCloud Entry is an ideal choice for clients seeking to get started with a private cloud solution that can scale as they expand the number of cloud users and workloads. More importantly, SmartCloud Entry delivers a spans multiple hardware platforms and virtualization technologies, making it a unique solution for enterprises with heterogeneous IT infrastructure and a diverse range of applications. SmartCloud Entry provides clients with comprehensive Infrastructure as a Service (IaaS) capabilities.

For enterprise clients seeking advanced cloud benefits, such as deployment of multi-workload patterns and Platform as a Service (PaaS capabilities, IBM offers a range of advanced cloud solutions. Because IBM's cloud portfolio is built on a common

foundation, clients may purchase SmartCloud Entry initially and migrate to an advanced cloud solution in the future.

Statement of direction

System z® support

IBM intends to update IBM SmartCloud Entry to support the System z platform by providing IBM SmartCloud Entry management software that can be installed on System z and allow SmartCloud Entry to manage heterogeneous cloud resources across System x , Power Systems , System z , PureFlex™ , and Flex System platforms.

OpenStack

IBM intends to adopt a common technology base for all IBM SmartCloud Entry offerings, aligned with its SmartCloud Foundation portfolio, the OpenStack community, and other emerging open standards.

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

Refer to Software Announcement [213-158](#), dated May 14, 2013 (IBM SmartCloud Entry for Power bundle, V3.1).

Refer to Software Announcement [213-160](#), dated May 14, 2013 (IBM SmartCloud Entry for IBM Flex System™ , V3.1).

Program number

Program number	VRM	Program name
5765-SC3	3.1.0	IBM SmartCloud Entry for Power
5660-SKC	1.1.0	SmartCloud Entry Pwr R/R 1yr
5661-SKC	1.1.0	SmartCloud Entry Pwr A/L 1yr
5662-SKC	1.1.0	SmartCloud Entry Pwr Reg 3yr
5663-SKC	1.1.0	SmartCloud Entry Pwr Ren 3yr
5664-SKC	1.1.0	SmartCloud Entry Pwr A/L 3yr

Note: SWMA program numbers have been previously announced, but are renamed in this announcement.

Product identification number

Program PID number	Maintenance	Maintenance
	1-year PID number	3-year PID number
5765-SC3	5660-SKC	5662-SKC
	5661-SKC	5663-SKC
		5664-SKC

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=213-159>

Publications

No hardcopy publications are shipped with this program.

Technical information

Specified operating environment

Hardware requirements

One of the following systems:

- IBM Power Systems server
- IBM BladeCenter server with POWER® microprocessor blades

Software requirements

One of these operating systems is required:

- AIX 7
- AIX 6

For operating system, database, runtime environment, user registry, browser, PowerVM , Hyper-V, KVM, and VMWare vSphere 5 software requirements, refer to the *IBM SmartCloud Entry Version 3.1 Administrators Guide* for detailed information

<https://www.ibm.com/developerworks/wiki/smart-cloud-entry/documentation>

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

The following products could be purchased with this product:

- IBM Systems Director Standard Edition
- IBM Systems Director VMControl
- IBM Systems Director Storage Control
- IBM Systems Director Enterprise Edition

Limitations

Refer to the *IBM SmartCloud Entry Version 3.1 Administrators Guide* for detailed information on limitations

<https://www.ibm.com/developerworks/wiki/smart-cloud-entry/documentation>

IBM Electronic Support

The IBM Support Portal is your gateway to technical support. This includes IBM Electronic Support tools and resources, for software and hardware, to help save time and simplify support. The Electronic Support tools can help you find answers to questions, download fixes, troubleshoot, automate data collection, submit and track problems through the Service Request online tool, and build skills. All these tools are made available through your IBM support agreement, at no additional charge.

- Read about the Electronic Support portfolio of tools

<http://ibm.com/electronicssupport>

- Access the IBM Support Portal

<http://ibm.com/support>

- Access the online Service Request tool

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

Planning information

Direct customer support

Yes

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

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

Packaging

The IBM SmartCloud Entry for Power , V3.1 package contains DVDs that include product installation documentation and files.

Your Proof of Entitlement (PoE) 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, 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.

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 SmartCloud Entry for Power , V3.1 uses the security and auditability features of the host hardware or software. The Systems Director application audits users and tasks, and provides an SSL-based user interface that allows for customer-supplied certificates. 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

Orders may be placed beginning with configurator availability.

For new orders, select from the following table:

Description	Processor -based OTC feature number
5765-SC3 IBM SmartCloud Entry for Power, v3.1	
Per processor core - small with 1 yr SWMA	0002
Per processor core - medium with 1 yr SWMA	0003
Upgrade small to medium	0007
Per processor core - large with 1 yr SWMA	0004
Upgrade small to large	0006
Upgrade medium to large	0005

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 SWMA program numbers (5660-SKC, 5661-SKC, 5662-SKC, 5663-SKC, and 5664-SKC) and associated features have been previously announced. The SWMA program names have been renamed in this announcement.

- 5660-SKC SmartCloud Entry Pwr R/R 1yr
- 5661-SKC SmartCloud Entry Pwr A/L 1yr
- 5662-SKC SmartCloud Entry Pwr Reg 3yr
- 5663-SKC SmartCloud Entry Pwr Ren 3yr
- 5664-SKC SmartCloud Entry Pwr A/L 3yr

System program order (SPO)

An order for SPO 5692-A6P is mandatory for shipments of program distribution. The individual licensed program orders are for registration and billing purposes only. No shipment occurs under these orders.

Specify feature number 3435.

Machine-readable materials are only available on DVD. To receive shipment of machine-readable materials, the order needs to include SPO 5692-A6P. The individual licensed program order (for example, 5765-SC3) must still be ordered but will be for registration and billing purposes only and will not result in shipment of materials.

Program number	Program/Function name	Feature number
5692-A6P	IBM SmartCloud Entry for Power, v3.1	2299

Basic machine-readable material

Select one of the following priced feature numbers for media type under 5692-A6P. Media process charge feature 1101 is for Electronic Software Delivery.

Media type	Media feature number	Media process charge feature number
DVD	3435	1100 Media Charge
DVD	3435	1101 Media No-charge

Program number	Description	Feature number
5765-SC3	ESD only	3453

Charge metric

Program name	PID number	Charge metric
IBM SmartCloud Entry for Power	5765-SC3	Per processor core Small, Medium, Large
SmartCloud Entry Pwr R/R 1yr	5660-SKC	Per processor core Small, Medium, Large
SmartCloud Entry Pwr A/L 1yr	5661-SKC	Per processor core Small, Medium, Large
SmartCloud Entry Pwr Reg 3yr	5662-SKC	Per processor core Small, Medium, Large
SmartCloud Entry Pwr A/L 3yr	5664-SKC	Per processor core Small, Medium, Large

Note: SWMA program numbers have been previously announced, but are renamed in this announcement.

Processor

Processor is a unit of measure by which the program can be licensed. A *processor* (commonly called a processor core or CPU) is a functional unit within a computing device that interprets and executes instructions. A processor consists of at least an instruction control unit and one or more arithmetic or logic unit. With multicore technology, each core is considered a processor.

A Proof of Entitlement (PoE) must be acquired for all activated processor cores available for use on the server. Authorization for the IBM SmartCloud Entry for Power program is based on the total number of activated processors on the machines running the program and the activated processors on the machines being managed by the program.

Terms and conditions

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

Licensing

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

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

Agreement for Acquisition of Software Maintenance

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) applies for Subscription and Support (also referred to as Software Maintenance) and does not require customer signatures.

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support 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

LC23-5134

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 Subscription and Support (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 Subscription and Support (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

Yes

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

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-SC3 IBM SmartCloud Entry for Power, V3.1

Description	Processor -based OTC feature	
	number	OTC
Per processor core - small with 1 yr SWMA	0002	\$
Per processor core - medium with 1 yr SWMA	0003	
Upgrade small to medium	0007	
Per processor core - large with 1 yr SWMA	0004	
Upgrade small to large	0006	
Upgrade medium to large	0005	

Variable charges: The applicable processor-based one-time charge will be based on the group of the designated machine on which the program is licensed for use. If the program is designated to a processor in a group for which no charge is listed, the charge of the next higher group listed applies. For movement to a machine in a higher group, an upgrade charge equal to the difference in the then-current charges between the two groups will apply. For movement to a machine in a lower group, there will be no adjustment or refund of charges paid.

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>

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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.

Pricing terms

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

[ENUS-213-159-LIST_PRICES_2013_05_14.PDF](#)

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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.

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

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