IBM WebSphere Extended Deployment V7.0 enables improved levels of global scale, process efficiencies, and business intelligence needed for smarter business decisions

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At a glance

WebSphere® Extended Deployment can deliver enhanced quality of service for your business-critical applications and provides features for optimizing your IT resources. WebSphere Extended Deployment V7.0 consists of a suite of three powerful application infrastructure products:

- WebSphere Compute Grid V8.0

- WebSphere Virtual Enterprise V7.0

- WebSphere eXtreme Scale V7.1

These products can be purchased separately or as a package.

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

Overview

WebSphere Extended Deployment V7.0 delivers the following new capabilities.

WebSphere Extended Deployment Compute Grid V8.0 is designed to provide an end-to-end managed batch execution experience. It combines enterprise-strength qualities of service with developer and data center productivity tools to bring time-to-value benefits into a pre-integrated framework for batch workload execution. WebSphere Extended Deployment Compute Grid V8.0 offers the ability to develop, deploy, and manage batch jobs (applications) executing in several execution environments from a central console.

In addition to a Java™ batch programming model and container services, WebSphere Extended Deployment Compute Grid can provide:

- The ability to manage Java batch applications deployed to non-Java EE execution environments such as CICS®
- Enhanced performance throughput exploiting multithreading within a single Java Virtual Machine (JVM)
- Calendar and clock scheduling of jobs
- Integration with enterprise scheduler

- Usage reporting
- Workload management transaction classification by job
- Application quiesce and update
- Job pacing and job execution throttling
- Parallel job management and dispatching

WebSphere Virtual Enterprise V7.0 is designed to extract more value out of your existing middleware and cloud environments. It can

- Help lower the total cost of ownership and increase the overall quality of service
- Allow seamless upgrades of applications without any single user experiencing an outage
- Provide the capability to dynamically adjust the server resource applied to workloads in a shared environment based upon service policies
- Remove the need to provision for peak utilization for every application in siloed fashion
- Provide the ability to detect potentially dangerous scenarios and take preemptive action before an outage occurs
- Provide application virtualization for your cloud environment
- Support the tenets of autonomic computing: self-managing, self-healing, and self-optimizing

WebSphere eXtreme Scale V7.1 offers the following key benefits:

- Simple cache for enterprise applications running on WebSphere Application Server offers near linear scalability to a broad variety of business applications with minimal invasive changes. This can help you meet the growing needs of your business.
- Support included for Windows/Net applications through ADO.Net Data Services specification support.
- New monitoring console can provide real-time views into the WebSphere eXtreme Scale data grid.
- New WebSphere Application Server Console extensions can provide improved integration with WebSphere eXtreme Scale.
- Statistics enhancements help with more efficient monitoring and better integration with third-party monitoring consoles.
- Administrators can include grid queries in tracking the source of SQL requests to IBM DB2® via support for DB2 Performance Monitor.
- XTP capability enhancements are designed to offer better performance, consistent and predictable response times, and lower memory costs.

Planned availability date

- June 17, 2011: Electronic distribution
- July 29, 2011: Media packs

Description

WebSphere Extended Deployment Compute Grid V8.0

WebSphere Extended Deployment Compute Grid V8.0 is a pre-integrated application framework to develop, deploy, and manage batch jobs executing across disparate execution environments and thereby providing an end-to-end batch management experience. It can help increase developer productivity, developer efficiency, and operational efficiency.

Highlights of the enhancements delivered in WebSphere Extended Deployment Compute Grid V8.0 include:

- Support for IBM WebSphere Application Server V8.0
- Parallel Job Manager enhancements providing higher throughput for small jobs by taking advantage of multithreading within a single JVM
- Fine-grained security for enhanced job management
- Enhanced security with role-based authorization and OSGi bundle support
- Job log enhancements and job console enhancements for operational efficiency and ease of troubleshooting
- Programming model enhancements for developer productivity and operational efficiency
- IBM Installation Manager (IM)-based installation across all supported WebSphere Application Server environments

For additional information on WebSphere Extended Deployment Compute Grid V8.0, refer to Software Announcement 211-105, dated April 05, 2011.

WebSphere Virtual Enterprise V7.0

WebSphere Virtual Enterprise V7.0 provides features that help lower your total cost of ownership while helping to increase your quality of service. WebSphere Virtual Enterprise accomplishes this by providing value in the areas of high availability, performance management, application infrastructure virtualization, and the management of cloud environments. Use WebSphere Virtual Enterprise to enhance operational efficiency by deploying dynamic operations, service high-volume transactional workloads with linear scalability and high availability, and manage large scale, continuously available WebSphere Application Server environments.

WebSphere Virtual Enterprise V7.0 offers exciting new capabilities:

- Usability
  - Fine-grained security support
  - Simple Network Management Protocol (SNMP) trap generation
  - On-demand router (ODR) maintenance mode
  - Centralized logging
- High availability
  - ODR health monitoring
  - ODR dynamic clusters
  - ODR OutOfMemory prevention
  - Health management Performance Monitoring Infrastructure (PMI) enhancements
  - Excessive memory health policy enhancements
  - Segregation of HTTP traffic by ODR cluster
- Performance management
  - Solaris 10 Zones with shared CPU
  - AIX® workload partitions (WPARs)
  - Multi-cell performance management
  - Application placement controller consolidation mode
  - Application placement controller parallel start
  - Rate-based autonomic request flow manager (ARFM)
  - Service policies without response time goals

For additional information on WebSphere Virtual Enterprise V7.0, refer to Software Announcement 211-090, dated April 05, 2011.

WebSphere eXtreme Scale V7.1

IBM WebSphere eXtreme Scale V7.1 delivers extreme transaction processing capabilities that can help ensure you have a smarter service-oriented architecture

(SOA)-based application infrastructure to support your most demanding business-critical applications. It can help you to overcome traditional IT performance limitations to generate the levels of global scale, process efficiencies, and business intelligence needed for smarter business outcomes, such as sustainable competitive advantage and maximized revenues.

WebSphere eXtreme Scale V7.1 can provide the following new capabilities:

- Broadened market applicability
  - More robust support for cross data center replication usage scenarios, using multi-master replication to propagate the data modifications made by each member to the rest of the group
  - Windows/.NET support through ADO.Net Data Services V1.0 specification support
- Improved reporting and monitoring
  - New monitoring console, which can provide real-time views into the WebSphere eXtreme Scale data grid
  - New WebSphere Application Server Console extensions, which can provide improved integration with WebSphere eXtreme Scale
  - Administrator options to include grid queries in tracking the source of SQL requests to IBM DB2 via support for DB2 Performance Monitor
  - Statistics enhancements for monitoring and better integration with OEM monitoring consoles
- Enhanced foundational capabilities - Infrastructure improvements to accelerate performance and optimize resource usage

For additional information on WebSphere eXtreme Scale V7.1, refer to Software Announcement 210-125, dated April 30, 2010

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

WebSphere Extended Deployment V7.0 is capable as of June 17, 2011, when used in accordance with IBM's associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

Product positioning

With the WebSphere Application Server family built on open-industry standards, IBM can help you address the key priorities of an on-demand operating environment, with:

- **WebSphere Application Server Community Edition:** Built on open-source technology to offer an application server that you can download and use at no charge
- **WebSphere Application Server - Express®:** Offers a turnkey solution for building and managing simple, yet dynamic websites with an easy-to-use development environment
- **WebSphere Application Server:** Includes the core J2EE and web services application server, delivering a high-performance, scalable transaction engine for dynamic applications
- **WebSphere Application Server Network Deployment:** Delivers advanced deployment services that include clustering, edge-of-network services, and high availability for distributed configurations

- **WebSphere Application Server for z/OS®:** Runs on the security enhanced, resilient zSeries® server and uses the computing functionality and qualities of service of z/OS to provide security-rich business flexibility
- **WebSphere Extended Deployment:** Delivers a dynamically scalable, easily manageable, and high-performance environment for running mixed application types and workload patterns

These market-leading products enable a solid infrastructure foundation for tens of thousands of WebSphere customers ranging from small businesses, to large enterprises, to ISVs who rely on the WebSphere Application Server as the foundation for their solutions.

WebSphere Extended Deployment Compute Grid, in combination with WebSphere Application Server, offers multiple configuration options and support for multiple business models and deployment platforms. It also supports a wide range of scenarios, from open-source projects with no up-front budget, to simple administration of a single-server environment, to a clustered, highly available, high-volume environment with edge-of-network services.

WebSphere Extended Deployment Compute Grid includes integration software for the IBM Tivoli® Workload Scheduler, allowing WebSphere jobs to be managed as part of the overall production workload. IBM Tivoli Workload Scheduler provides planning for hundreds of thousands of jobs, resolves interdependencies, and launches and tracks each job.

WebSphere Virtual Enterprise can enable intelligent management of your application infrastructure by providing virtualization. This unique technology can help you consolidate application servers, maximize utilization while monitoring application health, and improve service and application performance for enhanced infrastructure flexibility and agility.

WebSphere eXtreme Scale compliments the WebSphere Application Server family of products by providing a distributed caching platform for WebSphere business applications and can run with many WebSphere stack products. Similarly, the WebSphere DataPower® XC10 appliance (refer to Hardware Announcement 110-102, dated April 30, 2010) provides a purpose-built appliance optimized for rapid Plug and Play use for simple data-oriented caching scenarios. WebSphere eXtreme Scale V7.1 goes beyond these simple network-attached cache capabilities, providing a flexible and robust solution enabling more sophisticated caching scenarios where applications and data may be located on the same server. WebSphere Business Events eXtreme Scale software integrates WebSphere eXtreme Scale and WebSphere Business events into a single product supporting clients with high volumes of business events flowing through their enterprise.

Reference information

For additional information on WebSphere Extended Deployment Compute Grid V8.0, refer to Software Announcement 211-105, dated April 05, 2011.

For additional information on WebSphere Virtual Enterprise V7.0, refer to Software Announcement 211-090, dated April 05, 2011.

For additional information on WebSphere eXtreme Scale V7.1, refer to Software Announcement 210-125, dated April 30, 2010.

Program number

```
Program              Program
number      VRM      name

5724-J34    V7.0.0   WebSphere Extended Deployment
```

Offering Information

Product information is available via the Offering Information website

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

Also, visit the Passport Advantage® website

http://www.ibm.com/software/passportadvantage

Publications

No hardcopy publications are shipped with this program.

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 and software requirements

Refer to the **Hardware requirements** and **Software requirements** sections of the respective announcements as follows:

- For WebSphere Extended Deployment Compute Grid V8.0, refer to Software Announcement 211-105, dated April 05, 2011.
- For WebSphere Virtual Enterprise V7.0, refer to Software Announcement 211-090, dated April 05, 2011.
- For WebSphere eXtreme Scale V7.1, refer to Software Announcement 210-125, dated April 30, 2010.

Software requirements

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.

Planning information

Packaging

Refer to the **Packaging** section of the respective announcements as follows:

- For WebSphere Extended Deployment Compute Grid V8.0, refer to Software Announcement 211-105, dated April 05, 2011.
- For WebSphere Virtual Enterprise V7.0, refer to Software Announcement 211-090, dated April 05, 2011.
- For WebSphere eXtreme Scale V7.1, refer to Software Announcement 210-125, dated April 30, 2010.

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

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

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```
Product group: WebSphere
  Product Identifier Description (PID)
  WebSphere Extended Deployment 5724-J34

Product category: Application Integration Middleware Other
```

Charge metric

Program name	Part number or PID number	Charge metric
WebSphere Extended Deployment V7.0	5724-J34	Processor Value Unit

Processor Value Unit

Processor Value Unit (PVU) is a unit of measure by which the program can be licensed. The number of PVU entitlements required is based on the processor technology defined within the PVU Table by Processor Value, Brand, Type and Model Number at

http://www-01.ibm.com/software/lotus/passportadvantage/
pvu_licensing_for_customers.html

and the number of processors made available to the program. IBM continues to define a processor, for the purpose of PVU-based licensing, to be each processor core on a chip. A dual-core processor chip, for example, has two processor cores.

Licensee can deploy the program using either Full Capacity licensing or Virtualization Capacity (Sub-Capacity) licensing according to the Passport Advantage Sub-Capacity

Licensing Terms (refer to web page below). If using Full Capacity licensing, Licensee must obtain PVU entitlements sufficient to cover all activated processor cores[1] in the physical hardware environment made available to or managed by the program, except for those servers from which the program has been permanently removed. If using Virtualization Capacity licensing, Licensee must obtain entitlements sufficient to cover all activated processor cores made available to or managed by the program, as defined according to the Virtualization Capacity License Counting Rules at

> http://www-01.ibm.com/software/lotus/passportadvantage/
> Counting_Software_licenses_using_specific_virtualization_technologies.html

[1] An Activated processor core is a processor core that is available for use in a physical or virtual server, regardless of whether the capacity of the processor core can be or is limited through virtualization technologies, operating system commands, BIOS settings, or similar restrictions.

Notes:

- Some programs may require licenses for the program AND what is being managed. In that case, the following applies: In addition to the entitlements required for the program directly, Licensee must obtain PVU entitlements for this Program sufficient to cover the processor cores managed by the program.
- Some programs may be licensed on a managed basis ONLY. In that case, the following applies: Instead of the entitlements required for the program directly, Licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.
- A few programs on an exception basis may be licensed on a referenced basis. In that case, the following applies: Rather than obtaining entitlements for the activated processor cores available to the program, Licensee must obtain PVU entitlements for this program sufficient to cover the environment made available to the referenced program as if the program itself were executing everywhere the referenced program was executing, independent of the basis on which the referenced program is licensed.
- Express and Workgroup programs may be licensed with maximum use terms. In that case, the following applies: The maximum authorized use terms and conditions for PVU licensed IBM Express and Middleware Programs can be found in the *IBM Express and Middleware Licensing Guide*.

Passport Advantage

Program name/Description	Part number
WebSphere Extended Deployment	
Per Processor Value Unit	
License + SW Subscription & Support 12 Months	D56LRLL
Annual SW Subscription & Support Renewal	E02A5LL
SW Subscription & Support Reinstatement 12 Months	D56LYLL

Passport Advantage trade up

Below is a list of precursor products for which you must have already acquired a license, in order to be eligible to acquire equivalent licenses using the trade-up part number.

Precursor product	Trade up product	Trade up part number
WebSphere Extended Deployment Compute Grid PVU Linux[TM] on System z License + SW S&S 12 Mo	WebSphere Extended Deployment PVU for Linux on System z	D60SULL

```
WebSphere Extended        WebSphere Extended        D60SNLL
 Deployment Compute        Deployment PVU
 Grid PVU
License + SW S&S 12 Mo

WebSphere Virtual         WebSphere Extended        D60SRLL
 Enterprise Controller     Deployment PVU for
 PVU for Linux on          Linux on System z
 System z
License + SW S&S 12 Mo

WebSphere Virtual         WebSphere Extended        D60SKLL
 Enterprise Contoller      Deployment PVU
 PVU
License + SW S&S 12 Mo

WebSphere Virtual         WebSphere Extended        D60SSLL
 Enterprise Node           Deployment PVU for
 PVU for Linux on          Linux on System z
 System z
License + SW S&S 12 Mo

WebSphere Virtual         WebSphere Extended        D60SLLL
 Enterprise Node PVU       Deployment PVU
License + SW S&S 12 Mo

WebSphere eXtreme Scale   WebSphere Extended        D60STLL
 Processor Value Unit      Deployment PVU for
 for Linux on System z®     Linux on System z
License + SW S&S 12 Mo

WebSphere eXtreme Scale   WebSphere Extended        D60SMLL
 Processor Value Unit      Deployment PVU
License + SW S&S 12 Mo
```

Consult your IBM representative if you have any questions.

Passport Advantage customer: Media pack entitlement details

Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.

```
Media packs
description                                          Part number

IBM WebSphere Extended Deployment V7.0               BA11QML
 for Multiplatform DVD Media Pack
```

Cross-platform product for use on System z Integrated Facility for Linux (IFL) engines

Order the part numbers that follow when the product is intended to run on the Linux operating system on System z IFL engines. If the product is not intended to run on the Linux operating system on System z IFL engines, order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

```
                                                     Part
Program name/Description                             number

WebSphere Extended Deployment

Per Processor Value Unit
 zEnterprise™ BladeCenter® Extension (zBX) and Linux on    D572RLL
  System z License + SW Subscription & Support 12 Months
 zEnterprise BladeCenter Extension (zBX) and Linux on      E02EALL
  System z Annual SW Subscription & Support Renewal
 zEnterprise BladeCenter Extension (zBX) and Linux on      D572SLL
  System z SW Subscription & Support Reinstatement
  12 Months
```

On/Off Capacity on Demand (CoD)

```
Part
number      Description

D5549LL     WebSphere Extended Deployment per Processor Day
              On/Off CoD Temporary Use charge
```

Processor Value Unit (PVU) sub-capacity licensing

This software product is eligible for sub-capacity licensing. Customers must accept the terms of the IBM International Passport Advantage Agreement Attachment for Sub-Capacity Licensing Terms (Attachment), and must obtain PVU Proofs of Entitlement (PoEs) for the maximum processor core capacity available to an eligible sub-capacity product when deployed in an eligible virtualization environment. This is also referred to as sub-capacity or virtualization capacity licensing.

Customers must use the IBM License Metric Tool unless they meet the exceptions described in the Attachment.

For information regarding PVU sub-capacity licensing, including terms and IBM License Metric Tool ordering information, visit

http://www-01.ibm.com/software/lotus/passportadvantage/subcaplicensing.html

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.

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License Information form number

License Information Form Number: L-EBAN-8DDUCT

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).

Program technical support

Technical support of a program product version or release will be available for a minimum of five years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support (Software Maintenance) also provides you with access to updates (modifications or fixes), releases, and versions of the program. You will be notified, via announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

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 (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) 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)

No

IBM International Passport Advantage Agreement

Passport Advantage applies

Yes, and through the Passport Advantage website at

http://www.ibm.com/software/passportadvantage

Usage restriction

Yes. For additional information, refer to the License Information document that is available on the IBM Software License Agreement website

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

Software Subscription and Support (Software Maintenance) applies

Yes. Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and Technical Support are provided by the Software Subscription and Support (Software Maintenance) offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software and Technical Support provides voice and electronic access to IBM support organizations, worldwide.

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http://www.ibm.com/software/passportadvantage

IBM Operational Support Services - SoftwareXcel

No

Other support

Passport Advantage

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Not applicable.

Sub-capacity pricing terms and conditions

To be eligible for sub-capacity pricing, the machine on which the eligible products are installed and running must be eligible for sub-capacity pricing terms and conditions. Software pricing, at less than full machine capacity for eligible products, apply when running:

- AIX 5L™ V5.1, or later, on an IBM System p® 690 or equivalent partition-capable operating system and machine
- OS/400® V5R1, or later, running on an IBM System i®
- Linux running in an LPAR under AIX 5L V5.1, OS/400 V5R1, or in a partition on an equivalent partition-capable operating system and server

Sub-capacity pricing for eligible products is based on the current program pricing methodology, but the number of processors will be determined based on the sum of processors for all partitions where the program is defined (used). To obtain pricing at less than full machine capacity for eligible products, you are required to:

- Install and use, when available, IBM's license use management program, which installs with eligible IBM programs.
- Install available updates to the operating system and eligible products such that license use can be accurately managed.
- Determine if the use of sub-capacity pricing terms results in a reduced requirement for entitlements; you can reallocate the entitlement difference by distributing entitlements across a larger or different set of systems, or reserve them for future growth. There will be no refunds for these freed up entitlements. Subscription, Software Maintenance and support volumes, and entitlements for existing contracts will continue at the same levels as the acquired licenses.

On/Off Capacity on Demand (CoD)

To be eligible for On/Off CoD pricing, you must be enabled for temporary capacity on the corresponding hardware, and the required contract, Amendment for iSeries® and pSeries® Temporary Capacity On Demand - Software (Z125-6907), must be signed prior to use.

Prices

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

Business Partner information

If you are an IBM Business Partner -- Distributor for Workstation Software acquiring products from IBM, you may link to Passport Advantage Online for resellers where you can obtain Business Partner pricing information. An IBM ID and password are required.

https://www.ibm.com/software/howtobuy/passportadvantage/paoreseller

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