



IBM WebSphere DataPower Service Gateway XG45 and WebSphere DataPower Integration Appliance XI52 virtual editions provide flexible deployment options

Table of contents

1	Overview	3	Publications
1	Key prerequisites	4	Technical information
2	Planned availability date	5	Ordering information
2	Description	7	Terms and conditions
3	Program number	10	Prices

At a glance

IBM® WebSphere® DataPower® Service Gateway XG45 and WebSphere DataPower Integration Appliance XI52 virtual editions deliver the following capabilities:

- A flexible, cost-effective choice for nonproduction environments
- All virtual edition optional features included free for nonproduction environments
- A production solution for environments not suitable for physical appliance deployment
- Seamless configuration migration between DataPower physical and virtual appliances
- Ability to use virtual appliances for development and test environments and physical appliances for staging, production, and disaster recovery

Overview

WebSphere DataPower Service Gateway XG45 and WebSphere DataPower Integration Appliance XI52 are available as virtual editions to run in VMware hypervisor environments. These virtual editions are designed to provide industry-leading workload security, optimization, and integration functionality similar to the corresponding physical appliance models.

Each WebSphere DataPower virtual edition appliance is powered by a purpose-built platform including an embedded, optimized DataPower Operating System.

For information on the functionality provided by these WebSphere DataPower virtual edition products, refer to Hardware Announcement [112-064](#), dated April 24, 2012.

This announcement satisfies the statement of direction for Websphere DataPower virtual edition appliances contained in Software Announcement [212-463](#), dated October 3, 2012.

Key prerequisites

VMware ESX or ESXi server

Planned availability date

November 30, 2012

Description

The WebSphere DataPower Service Gateway XG45 Virtual Edition is a purpose-built, virtual appliance for rapid cloud and mobile services deployments, governance, and light-weight integration and edge of network security gateway.

- Delivers security-enhanced web services, applications, and data with optimized, customizable, scalable, and automated service visibility and governance.
- Can provide front-line defense for inbound and outbound traffic by acting as a web-facing application firewall or web services proxy.
- Offers web services security by performing critical security functions such as XML schema validation, XML encryption, XML signature, WS-Security, and protects messages across the enterprise.
- Helps achieve and maintain industry and regulatory compliance such as PCI compliance with robust data protection, policy enforcement, and auditing capabilities.
- Easily signs, verifies, encrypts, and decrypts any content for superior authentication and authorization.
- Enforces security standards with zero coding by using configurable XML encryption, digital signatures, and OAuth.
- Includes lightweight, application integration for additional application or database connectivity.
- Provides centralized policy management, enhanced WebSphere Service Registry and Repository, and ITCAM integration for better service governance and SLA management.
- Helps simplify industry-specific implementation with industry pack support for standards such as healthcare (HL7, and X12), and supply chain (EDIFACT).
- Provides the ability to distribute load across DataPower appliances and onward to intelligently-selected backend servers. It enhances uptime, user visible responsiveness, and capital utilization.

The WebSphere DataPower Integration Appliance XI52 Virtual Edition is a purpose-built, virtual appliance that delivers rapid data transformations for cloud and mobile applications, security-enhanced and scalable business integration, and edge-of-network security gateway.

- Provides streamlining and security for valuable service-oriented architecture (SOA) applications that include support for standards such as OAuth.
- Enables any-to-any data transformation between various data formats. This includes wire-speed XML transformation, text, binary, COBOL copybooks, industry standards, and custom formats.
- Helps reduce integration costs with protocol mediation, protocol bridging, transport mediation, multistage pipeline processing and content-based message routing.
- Delivers a design that will optimize bridging between wire-line messaging protocols. This includes MQ, WebSphere JMS, FTP, and HTTP.
- Provides more consumable and centralized service governance and SLA management by enhancing integration with WSRR and ITCAM for SOA.
- Delivers support for a broad array of standards and connectivity including direct-to-database connection access for DB2® , Oracle, and Sybase, data validation, field-level security, web services management, and application optimization.

WebSphere DataPower virtual edition offerings provide flexible packaging options:

- **Non Production environments** - Provides a complete environment for nonproduction use and includes these optional features free of charge.
 - WebSphere DataPower Service Gateway XG45 Virtual Edition for Non Production Environments
 - Application Optimization
 - Data Integration Module
 - WebSphere DataPower Integration Appliance XI52 Virtual Edition for Non Production Environments
 - Application Optimization
 - Database Connectivity
 - Tivoli® Access Manager
- **Production environments** - Offers a complete environment for production use. For production environments, optional features must be ordered separately. For ordering details, refer to the [Ordering information](#) section.

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

Program number

Program number	VRM	Program name
5725-J90	5.0.0	webSphere DataPower Service Gateway XG45 virtual Edition
5725-J91	5.0.0	webSphere DataPower Integration Appliance XI52 virtual Edition

Additional information

For additional information on WebSphere DataPower appliances, refer to Hardware Announcement [112-064](#), dated April 24, 2012.

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 publications are shipped with these programs.

Technical information

Specified operating environment

Hardware requirements

One of the following:

- Machine that supports VMware ESX V4.0 or V4.1
- Machine that supports VMware ESXi V4.0 or V4.1
- Machine that supports VMware ESXi V5.0 or V5.1

Minimum virtual resources for each virtual edition appliance: 4 vCPU and 4 GB RAM

Software requirements

One of the following:

- VMware ESX V4.0 or V4.1
- VMware ESXi V4.0 or V4.1
- VMware ESXi V5.0 or V5.1

Note: An embedded, optimized DataPower Operating System is included with each virtual edition appliance.

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

Media packs are not available for these products.

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.

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

Product group: WebSphere

Product Identifier	Description	(PID)
WebSphere DataPower Service Gateway Virtual Edition	XG45	5725-J90
WebSphere DataPower Integration Appliance Virtual Edition	XI52	5725-J91

Product category: WebSphere DataPower

Charge metric

Program name	PID number	Charge metric
WebSphere DataPower Service Gateway XG45 Virtual Edition	5725-J90	Processor Value Unit
WebSphere DataPower Integration Appliance XI52 Virtual Edition	5725-J91	Processor Value Unit

Processor Value Unit (PVU)

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 the website below) 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. The PVU table can be found at

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

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 the web page below). If using Full Capacity licensing, Licensee must obtain PVU entitlements sufficient to cover all activated processor cores¹ 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.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.

Passport Advantage

Program name/Description	Part number
WebSphere DataPower Service Gateway XG45 Virtual Edition	
WebSphere DataPower Service Gateway XG45 Virtual Edition per Processor Value Unit	
- License and Software Maintenance 12 mo	D0VAZLL
- Annual Software maintenance renewal	E0F6ALL
- Software Maintenance reinstatement 12 mo	D0VB0LL
WebSphere DataPower Service Gateway XG45 Virtual Edition for Non Production Environments per Processor Value Unit	
- License and Software Maintenance 12 mo	D0VB1LL
- Annual Software maintenance renewal	E0F6BLL
- Software Maintenance reinstatement 12 mo	D0VB2LL
Application Optimization for WebSphere DataPower Service Gateway XG45 Virtual Edition per Processor Value Unit	
- License and Software Maintenance 12 mo	D0VB3LL
- Annual Software maintenance renewal	E0F6CLL
- Software Maintenance reinstatement 12 mo	D0VB4LL
Data Integration Module for WebSphere DataPower Service Gateway XG45 Virtual Edition per Processor Value Unit	
- License and Software Maintenance 12 mo	D0VB5LL
- Annual Software maintenance renewal	E0F6DLL
- Software Maintenance reinstatement 12 mo	D0VB6LL
WebSphere DataPower Integration Appliance XI52 Virtual Edition	
WebSphere DataPower Integration Appliance XI52 Virtual Edition per Processor Value Unit	
- License and Software Maintenance 12 mo	D0VB7LL
- Annual Software maintenance renewal	E0F6ELL
- Software Maintenance reinstatement 12 mo	D0VB8LL
WebSphere DataPower Integration Appliance XI52 Virtual Edition for nonproduction Environments per Processor Value Unit	
- License and Software Maintenance 12 mo	D0VB9LL
- Annual Software maintenance renewal	E0F6FLL
- Software Maintenance reinstatement 12 mo	D0VBALL
Application Optimization for WebSphere DataPower Integration Appliance XI52 Virtual Edition per Processor Value Unit	
- License and Software Maintenance 12 mo	D0VBBLL
- Annual Software maintenance renewal	E0F6GLL
- Software Maintenance reinstatement 12 mo	D0VBCLL
Database Connectivity for WebSphere DataPower Integration Appliance XI52 Virtual Edition per Processor Value Unit	
- License and Software Maintenance 12 mo	D0VBDLL
- Annual Software maintenance renewal	E0F6HLL
- Software Maintenance reinstatement 12 mo	D0VBELL
Tivoli Access Manager for webSphere DataPower Integration Appliance XI52 Virtual Edition per Processor Value Unit	
- License and Software Maintenance 12 mo	D0VBFLL
- Annual Software maintenance renewal	E0F6ILL
- Software Maintenance reinstatement 12 mo	D0VBGLL

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

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License Information form number

L-DCHN-8YJPLV

WebSphere DataPower Service Gateway XG45 Virtual Edition
WebSphere DataPower Integration Appliance XI52 Virtual Edition

L-DCHN-8YSHYH

WebSphere DataPower Service Gateway XG45 Virtual Edition for Non Production Environments
WebSphere DataPower Integration Appliance XI52 Virtual Edition for Non Production Environments

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

WebSphere DataPower Virtual Edition will be supported for the lifecycle of the corresponding WebSphere DataPower firmware version. The WebSphere DataPower Virtual Edition V5.0 will have the same end of support date as the WebSphere DataPower firmware V5.0.

WebSphere DataPower provides a minimum of two years of support for each firmware release beginning at the general availability of the release. WebSphere DataPower customers with active subscription and support are entitled to the latest three levels of firmware support. These releases with the latest updates will be available on the support website. Releases of the WebSphere DataPower firmware that are older than two years and are not within the three latest levels of firmware are subject to withdrawal of support.

You will receive a notification of discontinuance of firmware support with 12 months' notice.

For additional information, visit

<http://www.ibm.com/support/docview.wss?rs=2362&uid=swg21246298>

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 also provides you with access to updates (modifications or fixes), releases, and versions of the program.

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

Passport Advantage applies

Yes, and through the Passport Advantage website at

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

Software Subscription and Support 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 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/support/handbook>

Software Subscription and Support 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 the applicable agreements.

For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, visit the Passport Advantage website at

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

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, that runs on an IBM System i®
- Linux™, that runs 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.

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.

Prices

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

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