



IBM WebSphere Service Registry and Repository V8.0 delivers innovations in user experience combined with Service Level Agreement authoring and enforcement

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At a glance

WebSphere® Service Registry and Repository V8.0 delivers innovations in user experience combined with Service Level Agreement authoring and enforcement.

Through visibility and control, WebSphere Service Registry and Repository helps to maximize and measure the business value of your service-oriented architecture (SOA). This industry-leading solution enables you to publish, find, enrich, manage, and govern services and policies in your SOA.

Overview

WebSphere Service Registry and Repository V8.0 delivers new features and benefits.

- The Business Space User Interface now supports the full development lifecycle by including two new roles:
 - Developer: A new developer space is available including Web Services Description Language (WSDL) document loading.
 - Operations: An operations space is now included, allowing endpoint manipulation.

You can continue to use these space templates as is, extend, or modify them to suit your users' needs.

- Now there is support for authoring and management of Service Level Agreements (SLAs), which can then be automatically enforced by DataPower®.
 - Authoring of mediation policy, examples include:
 - Describe how many messages per second a service will support before throttling.
 - Define a set of hours in the day that the service will be available.
 - Attach policies to services
- New and enhanced Business Space widgets simplify the publication and governance of your services and increase visibility.
 - The new Service Consumption Visualizer gives you a quick to use graphical view of consumers and providers for a service.
 - New load documents wizard loads documents and resolve dependencies.

- The actions and details widgets are now enhanced with icons.
- Actions widget now supports website launching to link to external tools and websites.
- The Collection widget now supports instance specific settings, allowing you to configure it for each space individually.
- Enhanced messages from Governance Policy Validators (GPVs) allow users to identify actions to correct more quickly.
- New interactive hover preview card allows you to see more details of an object without having to click through to its detail view.
- Tabular Business Intelligence and Reporting Tools (BIRT) reports can now be embedded in detail views allowing you to construct complex data queries to be displayed in line.
- Enhanced Chart Widget with the following options are available in pie chart, bar graph, or tabular form:
 - Service reuse
 - SLDs by governance state
 - My items
 - Services by owning organization
 - Documents by type
 - Services by governance state
 - Number of versions per business capability
 - Service consumption by version
 - SLAs by governance state
 - Endpoints by environment
 - Online and offline endpoints per environment
- The product now supports customizing of the configuration linking it to IBM® Rational® Asset Manager. You can customize the lifecycles in either product and precisely define the linking points.
- Includes studio enhancements.
 - Pull down updates made in WebSphere Service Registry and Repository configuration into Studio making it simpler to do Business Space configuration.
 - Now based upon Eclipse V3.6.2.
 - Governance Policy Validator (GPV) uniqueness assertion is enhanced with new options.
- Includes performance enhancements.
 - Promotion performance is improved to make distributing information to the runtime environments faster.
 - Business space widgets make fewer calls to the backend, which noticeably improves page load times, particularly over remote connections.
- REST support is now included within the Governance Enablement Profile out of the box. It allows REST services to be easily represented and managed.
- WebSphere Service Registry and Repository V8 is now based upon WebSphere Application Server V8.

For ordering, contact your IBM representative or an IBM Business Partner. For more information contact the Americas Call Centers at 800-IBM-CALL (426-2255) Reference: YE001

Key prerequisites

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

Planned availability date

- May 18, 2012: Electronic availability
- June 15, 2012: Media availability

Description

An SOA is the next evolutionary step to helping IT organizations meet their increasingly complex challenges. SOA has the potential to drive business flexibility, performance, and innovation by better aligning your information technologies to your business objectives. Maximizing this potential depends on how well you govern the services in your SOA throughout the lifecycle. It also depends on the ability to measure your success.

Store, access, and manage information to support a successful SOA. Then report on the success. WebSphere Service Registry and Repository V8.0 delivers management and governance capabilities that allow you to get the most business value from your SOA with the ability to measure success. It facilitates storing, accessing, and managing service information, called service metadata, along with service consumer information to easily select, invoke, govern, reuse, and report your services. WebSphere Service Registry and Repository has tight integration with IBM SOA Foundation, an integrated, open standards-based set of software, best practices, and patterns for SOA.

Publish, find, enrich, manage, and govern

Encourage reuse

The publish and find capabilities of WebSphere Service Registry and Repository promote service reuse in SOA projects by allowing greater visibility of and easier access to existing services. The service discovery engine discovers services on WebSphere Application Server and other Application Server platforms, WebSphere Enterprise Service Bus, and Microsoft™.NET platforms, providing an accurate record of deployed services in your SOA. (Refer to the WebSphere Service Registry and Repository Information Center for the full list of support platforms).

Faceted search offers a natural and user-friendly way to find services by allowing you to progressively refine search results using attributes, document types, or classification. In addition, full text search capability is available to search both metadata and the contents of documents stored in the system.

WebSphere Service Registry and Repository helps in quickly creating or modifying business processes using existing services. A powerful query mechanism allows you to search and find the services that best fit the requirements of a given process.

Enhance connectivity

The enrich capability enables dynamic and efficient access to services information by both runtime applications and processes that facilitate better connectivity and efficiency. WebSphere Service Registry and Repository increases runtime flexibility of applications via an enterprise service bus (ESB) by enabling selection of services and enforcement of SLA policy based on service metadata.

Optimize service usage

The manage capability enables management of service metadata, service interactions, service dependencies, and service redundancies. You can classify services based on business objectives, manage policies for service usage, and monitor how services are changed and versioned. Also, you can link related documents (such as PDF files) to service metadata. This capability helps you

optimize the use of services in an SOA by exchanging rich service metadata with runtime monitoring tools and operational data stores.

Enable SOA governance

Enables SOA governance in the service lifecycle by providing:

- **Access control**
Control the visibility and access to service metadata for sharing and reuse by using role-based access. Using the access-control editor, you can easily set up access-control rules that align with your business.
- **Classify service**
Classifying services and related metadata into groups that are meaningful in the domain of your organization and that align with your business needs. Using the classification editor, productivity can be improved by easy setup and modifications to your classification schemas.
- **Impact analysis**
By maintaining relationships, WebSphere Service Registry and Repository has extensive support for analyzing the impact of service introduction, deletion, or alteration. Graphical views can be used to intuitively understand the service relationships and dependencies.
- **Service lifecycle**
By creating user-definable entities and customizing the service lifecycle, you can configure WebSphere Service Registry and Repository precisely according to your business needs. You can implement best practices for service lifecycle management with the ability to promote services and lifecycle validations. Using customizable validators, you can guard transitions in the lifecycle states of services.
- **Service Consumer lifecycle**
Governing the service consumers is just as important - if not more important - than governing the service itself. Consumers have versions just as services have versions. Governing the consumers provides you the means to measure your SOA's success; but it becomes critical when managing a SOA. WebSphere Service Registry and Repository has a well-defined model for governing the service consumer in the Governance Enablement Profile. This profile can be customized to fit your business needs.
- **Governance profile**
To get you started easily and quickly, WebSphere Service Registry and Repository has a well-defined service model that includes templates, associated lifecycles, governance policies with a generic validator, a classification system, roles, and perspectives.
- **Reporting**
Reporting becomes key in managing and measuring a SOA. WebSphere Service Registry and Repository provides robust reporting capabilities built on top of Eclipse Business Intelligence and Reporting Tools (BIRT).

SOA policy management

WebSphere Service Registry and Repository enables policy management across the lifecycle spanning all domains of policy. Better policy management with WebSphere Service Registry and Repository gives you the ability to track and govern your run-time policies while establishing contractual and enforceable relationships between various run-time policies and associated services. It allows you to consistently enforce the most current policies in your SOA.

These policies are discovered and interpreted dynamically during run time. By helping to ensure that your contractual obligations are strictly followed, you will

benefit by mitigating the risk of lost revenue and customer dissatisfaction, and achieving higher levels of service quality and responsiveness.

- Govern the lifecycle of SOA policies.
 - Validate, audit, and report changes to policy.
 - Ensure web services interoperability (WS-I) compliance.
 - Enforce service governance policies.
- Use policy authoring tools to easily create new policies.
 - Associate policies to services to create an authoritative source of services and related metadata.
 - Store and associate policies of any domain.
- Apply prescriptive approach to governance with new policy libraries improving time-to-value.
 - Templates for operational policies
 - Policies that capture governance best practices
- Distribute SOA policies to enable enforcement by ESBs and other SOA products.

Federate with other SOA repositories:

WebSphere Service Registry and Repository federates with other SOA repositories to enable governance and management of the complete service lifecycle. At the model and assemble phases, WebSphere Service Registry and Repository is complemented by repositories that specialize in managing SOA development artifacts.

In the deploy and manage phases, WebSphere Service Registry and Repository can work with configuration management databases to acquire and manage operational details of your IT infrastructure. Integration with Tivoli® CCMDB provides governance and impact analysis capabilities across services and the underlying infrastructure.

Synchronization with Universal Description, Discovery, and Integration

(UDDI) registries allows entries created via a UDDI V3-capable product to be synchronized with entries in WebSphere Service Registry and Repository. Web Services Description Language document entries (that have been created in UDDI following Best Practice: "Using Web Services Description language in a UDDI Registry" or Technical Note: "Using Web Services Description Language in a UDDI Registry, V2.0.2") can be mapped, created, and maintained including their metadata.

Policy documents stored in UDDI can also be mapped in WebSphere Service Registry and Repository. The support is bidirectional, meaning that documents created in WebSphere Service Registry and Repository can be mapped into UDDI and vice versa.

Enable governance and lifecycle management of high-value applications:

WebSphere Service Registry and Repository helps your high-value applications to participate fully in enterprise SOA. Service-enabled applications from WebSphere MQ and CICS® can be published in WebSphere Service Registry and Repository enabling you to reuse, classify, describe, and govern these services like any other service in your SOA.

WebSphere Service Registry and Repository can be a critical deployment component of SOA projects because it lets you:

- **Get clear visibility into service associations and relationships.** Better align IT to meet business needs by outlining business tasks and the corresponding IT services. WebSphere Service Registry and Repository supports service lifecycle management and governance to provide better control of SOA environment.
- **Share your services.** You can identify common services to avoid duplication and foster reuse. WebSphere Service Registry and Repository supports discovery and reuse of services and the associated metadata and artifacts.

- **Deliver services interoperability.** Make the most of existing investments and infrastructure. With the support of Web Services Description Language, XML, XML Schema Definition (XSD) Language, Service Component Architecture (SCA), and other standards including UDDI, WebSphere Service Registry and Repository delivers true interoperability.
- **Provide SOA governance.** SOA governance is a catalyst for optimized SOA deployments in meeting the IT and business objectives. Your SOA can be more tightly aligned to business objectives because it is organized by business-oriented services and if needed, also by IT function. Better governance of an SOA means better business results.
- **Unlock the value of mainframe applications and databases.** Mainframe applications and database interactions that are exposed as services can be published to WebSphere Service Registry and Repository and accessed by both mainframe and non-mainframe applications without invasive programming at the API level.
- **Enforce best practices.** WebSphere Service Registry and Repository includes functions and flexibility to help IT groups institute standards and best practices in their SOA deployments.
- **Incrementally adopt SOA.** The scalable nature of WebSphere Service Registry and Repository enables you to start your SOA small and grow as needed. You can incrementally deploy SOA alongside existing assets and processes.

Playing a vital role in IBM SOA Foundation

WebSphere Service Registry and Repository plays a major role in the SOA lifecycle.

- **Model.** During service modelling, you can use WebSphere Service Registry and Repository to create or reuse service descriptions, classifications, and XML schemas. It also interacts with the service development life cycle with standard asset management solutions.
- **Assemble.** During service development or assembly, you can use WebSphere Service Registry and Repository to locate services for reuse and to enable service composition, such as creating new composite applications. Because the lifecycle of services is managed and governed in WebSphere Service Registry and Repository, it forms the authoritative source of service metadata.
- **Deploy.** As part of the service deployment process, you can publish service endpoint information WebSphere Service Registry and Repository. It augments any service descriptions that already exist from development or other tools, which helps by enriching the service interaction from run times.
- **Manage.** To manage services that leverage system-management practices (such as Information Technology Infrastructure Library (ITIL™) processes, CCMDB for storing information about service interactions such as mediations), you can use WebSphere Service Registry and Repository to capture and assess the performance of services against business and operational performance objectives. WebSphere Service Registry and Repository federates service information with operational systems management utilities.

WebSphere Service Registry and Repository enables Service Governance needs of an enterprise. Its robust, industrial-strength capabilities help you efficiently manage access to, and governance of, services. Standard registry and repository functions for the entire software lifecycle, well-integrated with IBM SOA Foundation and other complementary third-party software solutions, make WebSphere Service Registry and Repository a valuable component of your SOA. Regardless of the level of SOA maturity in your enterprise, WebSphere Service Registry and Repository brings immediate benefits that can help accelerate your adoption of an SOA approach.

Accessibility by people with disabilities

Features of WebSphere Service Registry and Repository that support use by people with disabilities include:

- Ability to use assistive technologies such as screen readers and screen magnifier software

- Features to customize display attributes such as color, contrast, and font size
- Capability of operating the system using only the keyboard

A US Section 508 Voluntary Product Accessibility Template (VPAT) can be requested via the IBM website

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

Section 508 of the US Rehabilitation Act

WebSphere Service Registry and Repository is capable as of June 15, 2012, when used in accordance with associated IBM 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. A US Section 508 Voluntary Product Accessibility Template (VPAT), containing details on the products accessibility compliance, can be requested on the following website

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

Product positioning

WebSphere Service Registry and Repository is an integrated SOA Foundation product that lets you publish, find, enrich, manage, and govern services in the SOA.

- Promotes reuse and eliminates redundancies.
 - Publishes and finds services and related metadata through all stages of SOA.
 - Integrates and federates with other standard registries and repositories.
 - Creates new business processes using existing services published in WebSphere Service Registry and Repository.
- Enriches SOA run-time interaction.
 - Enables optimized access to service metadata.
 - Manages service interactions and policies.
 - Enhances business services by providing rich service metadata stored with the corresponding IT services.
- Enables better control of SOA with governance.
 - Facilitates service lifecycle with guards for state transitions.
 - Analyzes impacts of service introduction, deletion, or alteration by maintaining relationships.
 - Manages role-based access to services, changes, versioning, and service retirement.
 - Facilitates policy support for instituting best practices and enforcing policies associated with services in SOA deployments.
 - Offers strong backing by IBM SOA governance practice, methods, best practices, and tools.

WebSphere Service Registry and Repository enables management and governance capabilities to get the most business value from your SOA. It facilitates storing, accessing, and managing service information (service metadata) so you can easily select, invoke, govern, and reuse your services.

Availability of national languages

Product description	Language	General availability date
WebSphere Service Registry and Repository v8.0.0	All languages via electronic download and Passport Advantage media packs	June 15, 2012

Program number

Program number	VRM	Program name
5724-N72	8.0.0	WebSphere Service Registry and Repository

Education support

IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers are on the IBM training website

<http://www.ibm.com/services/learning/>

Call IBM training at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

Training is available for WebSphere Service Registry and Repository.

IBM training provides education to support many IBM offerings. Descriptions of WebSphere courses for IT professionals and managers are on the WebSphere Education website, visit

<http://www.ibm.com/websphere/education>

Refer to the WebSphere Education website for information on course locations and availability dates.

Call IBM training at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

The WebSphere Education team delivers a comprehensive portfolio of education services to help customers and IBM Business Partners successfully deploy SOA and integrate WebSphere middleware products to achieve the maximum benefit.

Education is a key component to ensuring software success. A study by the WebSphere Support Team showed lack of training as the third most common cause of deployment issues for three years running. Our curriculum provides a unique training value built on exclusive product knowledge direct from IBM developers cemented with expert instructors and flexible time and cost-saving training options. The WebSphere Education team works closely with product developers and services organizations to ensure that the courses we offer provide the most up-to-the-minute technical and product information. Our courses place an emphasis on the advanced knowledge and insight that only these sources can provide. We draw from a deep pool of IBM technical experience in the development of our courses, and pass that knowledge on to our students.

With over 200 courses across eight curriculums, WebSphere Education provides training that spans the spectrum of skills needs from introductory product overviews to advanced programming and administration. Hands-on labs let you work with fully functional versions of the software you are studying to round out your training experience. Several training options are available, including classroom, private customized courses or instructor-led or self-paced online learning letting you train from your office without traveling.

For more information about available education offerings, visit

<http://www.ibm.com/websphere/education>

Role-based skills roadmaps can be found at

<http://www.ibm.com/software/websphere/education/paths>

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 this product.

A printed *Quick Start Guide* only is shipped with this product.

For the WebSphere Service Registry and Repository V8.0 Information Center, visit

<http://publib.boulder.ibm.com/infocenter/sr/v8r0/index.jsp>

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 U.S.) 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.

Technical information

Specified operating environment

Hardware requirements

- IBM AIX®
 - IBM POWER® family of processors
 - Minimum 2 GB physical memory, 3 GB recommended
 - CD-ROM drive
 - DVD-ROM drive
- HP-UX Intel™ Itanium™
 - Intel Itanium 2 or Itanium 9300 series processor
 - Minimum 2 GB physical memory, 3 GB recommended
 - CD-ROM drive
 - DVD-ROM drive
- Linux™ on x86
 - Intel Pentium™ (or equivalent) processor
 - Intel EM64T or AMD Opteron
 - Minimum 2 GB physical memory, 3 GB recommended
 - CD-ROM drive
 - DVD-ROM drive
- Linux on x86-64
 - Intel EM64T or AMD Opteron. (64-bit kernel support only)

- Minimum 2 GB physical memory, 3 GB recommended
- CD-ROM drive
- DVD-ROM drive
- Linux on IBM Power Systems™
 - IBM POWER family of processors
 - Minimum 2 GB physical memory, 3 GB recommended
 - CD-ROM drive
 - DVD-ROM drive
- Linux on IBM System z®
 - IBM System z processor
 - Minimum 2 GB physical memory, 3 GB recommended
 - CD-ROM drive
 - DVD-ROM drive
- Sun Solaris SPARC
 - Sun Solaris operating environment-compatible SPARC workstation
 - Minimum 2 GB physical memory, 3 GB recommended
 - CD-ROM drive
 - DVD-ROM drive
- Microsoft Windows™ (supported with 32-bit WebSphere Application Server)
 - Intel Pentium (or equivalent) processor
 - Intel EM64T or AMD Opteron
 - Minimum 2 GB physical memory, 3 GB recommended
 - CD-ROM drive
 - DVD-ROM drive
- Microsoft Windows (supported with 64-bit WebSphere Application Server)
 - Intel EM64T or AMD Opteron
 - Minimum 2 GB physical memory, 3 GB recommended
 - CD-ROM drive
 - DVD-ROM drive

Any hardware that is explicitly compatible and fully capable of running the specified operating system, all the corresponding supporting software, and any associated applications unmodified. The responsibility to provide a statement of full compatibility between machines lies with the original equipment provider (if not IBM).

Software requirements

IBM AIX

- Application server: WebSphere Application Server Network Deployment V8.0 with the most current fix pack at the time of release
- Operating systems supported with 32-bit WebSphere Application Server
 - AIX 7.1 with Service Pack 7100-00-01
 - AIX 6.1 TL4 with Recommended Maintenance package 6100-00-04
- Operating systems supported with 64-bit WebSphere Application Server
 - AIX 7.1 with Service Pack 7100-00-01
 - AIX 6.1 TL4 with Recommended Maintenance package 6100-00-04
- Database requirements
 - DB2® Workgroup Server Edition for Linux, UNIX™, and Microsoft Windows, V9.7 with fix pack 4, or later

- DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 7, or later
- Oracle 11g Standard and Enterprise Editions Releases 1 and 2
- Oracle 10g Standard and Enterprise Editions Release 2

HP-UX on Itanium

- Application server: WebSphere Application Server Network Deployment V8.0 with the most current fix pack at the time of release
- Operating systems supported with 64-bit WebSphere Application Server
 - HP-UX 11i v3 IA64 with patch bundle dated September 2009 (64-bit kernel support)
 - HP-UX 11i v2 IA64 with patch bundle dated December 2007 (64-bit kernel support)
- Database requirements
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.7 with fix pack 4, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 7, or later
 - Oracle 11g Standard and Enterprise Editions Releases 1 and 2
 - Oracle 10g Standard and Enterprise Editions Release 2

Linux on x86

- Application server: WebSphere Application Server Network Deployment V8.0 with the most current fix pack at the time of release
- Operating systems supported with 32-bit WebSphere Application Server
 - Red Hat Enterprise Linux 6.0 Server
 - Red Hat Enterprise Linux 5.0 Server Update 6
 - SUSE Linux Enterprise Server 11.0
 - SUSE Linux Enterprise Server 10.0 SP3
- Database requirements
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.7 with fix pack 4, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 7, or later
 - Oracle 11g Standard and Enterprise Editions Release 1 and 2
 - Oracle 10g Standard and Enterprise Editions Release 2

Linux on x86-64

- Application server: WebSphere Application Server Network Deployment V8.0 with the most current fix pack at the time of release
- Operating systems supported with 32-bit WebSphere Application Server
 - Red Hat Enterprise Linux 6.0 Server
 - Red Hat Enterprise Linux 5.0 Server Update 6
 - SUSE Linux Enterprise Server 11.0
 - SUSE Linux Enterprise Server 10.0 SP3
- Operating systems supported with 64-bit WebSphere Application Server
 - Red Hat Enterprise Linux 6.0 Server
 - Red Hat Enterprise Linux 5.0 Server Update 6
 - SUSE Linux Enterprise Server 11.0
 - SUSE Linux Enterprise Server 10.0 SP3
- Database requirements

- DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.7 with fix pack 4, or later
- DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 7, or later
- Oracle 11g Standard and Enterprise Editions Release 1 and 2
- Oracle 10g Standard and Enterprise Editions Release 2

Linux on IBM Power Systems

- Application server: WebSphere Application Server Network Deployment V8.0 with the most current fix pack at the time of release
- Operating systems supported with 32-bit WebSphere Application Server
 - Red Hat Enterprise Linux 6.0 Server
 - Red Hat Enterprise Linux 5.0 Server Update 6
 - SUSE Linux Enterprise Server 11.0
 - SUSE Linux Enterprise Server 10.0 SP3
- Operating Systems supported with 64-bit WebSphere Application Server
 - Red Hat Enterprise Linux 6.0 Server
 - Red Hat Enterprise Linux 5.0 Server Update 6
 - SUSE Linux Enterprise Server 11.0
 - SUSE Linux Enterprise Server 10.0 SP3
- Database requirements
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.7 with fix pack 4, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 7, or later
 - Oracle 10g Standard and Enterprise Editions Release 2

Linux on IBM System z

- Application server: WebSphere Application Server Network Deployment V8.0 with the most current fix pack at the time of release
- Operating systems supported with 64-bit WebSphere Application Server
 - Red Hat Enterprise Linux 6.0 Server
 - Red Hat Enterprise Linux 5.0 Update 6
 - SUSE Linux Enterprise Server 11.0
 - SUSE Linux Enterprise Server 10.0 SP3
- Database requirements
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.7 with fix pack 4, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 7, or later

Sun Solaris SPARC

- Application server: WebSphere Application Server Network Deployment V8.0 with the most current fix pack at the time of release
- Operating systems supported with 32-bit WebSphere Application Server
 - Sun Solaris 10 with patch cluster dated October 2009, or later (32-bit and 64-bit kernel support)
- Operating systems supported with 64-bit WebSphere Application Server -- Sun Solaris 10 with patch cluster dated October 2009, or later (64-bit kernel support)
- Database requirements
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.7 with fix pack 4, or later

- DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 7, or later
- Oracle 11g Standard and Enterprise Editions Releases 1 and 2
- Oracle 10g Standard and Enterprise Editions Release 2

Microsoft Windows

- Application server: WebSphere Application Server Network Deployment V8.0 with the most current fix pack at the time of release
- Operating systems supported with 32-bit WebSphere Application Server
 - Microsoft Windows Server 2008 Standard Edition x86-32 and x86-64
 - Microsoft Windows Server 2008 Enterprise Edition x86-32 and x86-64
 - Microsoft Windows Server 2008 R2 Standard Edition x86-64
 - Microsoft Windows Server 2008 R2 Enterprise Edition x86-64
 - Microsoft Windows Server 2003 SP2 Standard Edition x86-32 and x86-64
 - Microsoft Windows Server 2003 SP2 Enterprise Edition x86-32 and x86-64
 - Microsoft Windows Server 2003 R2 SP2 Standard Edition x86-32 and x86-64
 - Microsoft Windows Server 2003 R2 SP2 Enterprise Edition x86-32 and x86-64
 - Microsoft Windows 7 Ultimate x86-32 and x64-64
 - Microsoft Windows 7 Enterprise x86-32 and x64-64
 - Microsoft Windows 7 Professional x86-32 and x64-64
 - Microsoft Windows Vista Ultimate x86-32 and x64-64
 - Microsoft Windows Vista Enterprise x86-32 and x64-64
 - Microsoft Windows Vista Business x86-32 and x64-64
- Operating systems supported with 64-bit WebSphere Application Server
 - Microsoft Windows Server 2008 Standard Edition x86-64
 - Microsoft Windows Server 2008 Enterprise Edition x86-64
 - Microsoft Windows Server 2008 R2 Standard Edition x86-64
 - Microsoft Windows Server 2008 R2 Enterprise Edition x86-64
 - Microsoft Windows Server 2003 SP2 Standard Edition x86-64
 - Microsoft Windows Server 2003 SP2 Enterprise Edition x86-64
 - Microsoft Windows Server 2003 R2 SP2 Standard Edition x86-64
 - Microsoft Windows Server 2003 R2 SP2 Enterprise Edition x86-64
 - Microsoft Windows 7 Ultimate x64-64
 - Microsoft Windows 7 Enterprise x64-64
 - Microsoft Windows 7 Professional x64-64
- Database requirements
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.7 with fix pack 4, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 7, or later
 - Oracle 11g Standard and Enterprise Editions Release 1 and 2
 - Oracle 10g Standard and Enterprise Editions Release 2
 - Microsoft SQL Server Enterprise 2008
 - Microsoft SQL Server Enterprise 2008 R2
 - Microsoft SQL Server Enterprise 2005 SP2

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

For additional information, refer to [Usage restriction](#) in the [Terms and conditions](#) section of this announcement, or to the license information document that is available on the IBM Software License Agreement website

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

Planning information

Customer responsibilities

The customer must provide the minimum hardware and software environments in which the licensed program runs.

Support for migration from WebSphere Service Registry and Repository V6.0.2, V6.1, V6.2, V6.3, V7.0, V7.5 to V8.0 is provided. In order to migrate, customers will need to apply the latest Fix Pack level available. For more information, visit

<http://www-306.ibm.com/software/integration/wsrr/support/>

Installability

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 (also referred to as 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.

IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with each program license acquired. The initial period of Software Subscription and Support (also referred to as Software Maintenance) can be extended by the purchase of a renewal option, if available.

Packaging

- Quick Start Guide
- Quick Start CD-ROM
- License Information (softcopy only)
- WebSphere Service Registry and Repository V8.0 DVDs
- WebSphere Application Server Network Deployment V8.0 (included on WebSphere Service Registry and Repository DVDs)
- DB2 Workgroup Server Edition, for Linux, UNIX and Windows V9.7 CD-ROMs

Security, auditability, and control

WebSphere Service Registry and Repository uses the security and auditability features of the host software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Ordering information

This product is only available via Passport Advantage. It is not available as shrinkwrap.

Product information

Licensed function title	Product group	Product category
WebSphere Service Registry and Repository	IBM Application Integration Middleware Other	WebSphere
Program name	PID number	Charge unit description
WebSphere Service Registry and Repository	5724-N72	Per PVU (1) for Linux on System z
WebSphere Service Registry and Repository	5724-N72	Per PVU
WebSphere Service Registry and Repository	5724-N72	Processor-Day

(1) Processor Value Unit

Charge metrics definitions

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 cores* 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

* 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 licenses

WebSphere Service Registry and Repository

Part description	Part number
WebSphere Service Registry and Repository	
WS Service Registry and Repository per Proc Value Unit Annual SW S&S Rnw1	E02YFLL
WS Service Registry and Repository per Proc Value Unit Lic + SW S&S 12 Mo	D59D4LL
WS Svc Registry and Repository per Proc Value Unit SW S&S Reinstate 12 Mo	D59D5LL

Passport Advantage trade-up licenses

WebSphere Service Registry and Repository

Precursor product	Trade-up product	Trade-up part number
WebSphere Service Registry and Repository Qualified Competitor	WS Svc Reg Proc Value Unit from Qualified Comp Trdup Lic + SW S&S 12 Mo	D03PULL

Passport Advantage supply

Program name/description	Part number
WS Service Registry and Repository v8.0.0	
WS Service Registry and Repository v8.0 Multiplatform Media Pk Multilingual	BA14AML

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.

WebSphere Service Registry and Repository V8.0.0

Entitled maintenance offerings description	Media packs description	Part number
IBM WebSphere Service Registry and Repository per Processor Value Unit for Linux on z	WebSphere Service Registry and Repository v8.0 Multiplatform Media Pk Multilingual	BA14AML
WebSphere Service Registry and Repository per Processor Value Unit	WS Service Registry and Repository v8.0 Multiplatform Media Pk Multilingual	BA14AML

Cross-platform products

Cross-platform products for use on System z

Order the part numbers that follow when the product is used for either the development of code that will be deployed on System z servers or when the product will be communicating or transferring data between a distributed server and a System z server. Otherwise 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

Cross-platform product for use on System z 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.

WebSphere Service Registry and Repository

Part description	Part number
WebSphere Service Registry and Repository	
WS Service Reg and Rep zLinux per Proc Value Unit Annual SW S&S Rnw1	E03P8LL
WS Service Reg and Rep zLinux per Proc Value Unit Lic + SW S&S 12 Mo	D60RPLL
WS Service Reg and Rep zLinux per Proc Value Unit SW S&S Reinstate 12 Mo	D60RLL

On/Off CoD

WebSphere Service Registry and Repository

WS Service Reg and Rep Processor Day Per Use-DAY, On Off Capacity on demand	D59E2LL
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Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

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

License Information form number

Program name	Program number	Form number
WebSphere Service Registry and Repository V8.0	5724-N72	L-SBRY-8QVG8Q

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

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Volume orders (IVO)

No

Passport Advantage applies

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

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System i Software Maintenance applies

No

Educational allowance available

Not applicable.

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Corrections

(Corrected on April 30, 2012)

The Description and Packaging sections are revised.