

# IBM WebSphere Service Registry and Repository V6.1 optimizes the business value of SOA governance

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## At a glance

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With WebSphere Service Registry and Repository you can store, access, and manage information to support a successful service-oriented architecture (SOA) implementation. Additional benefits for this release include:

- Graphical view of relationships between services and related metadata
- Faceted search to progressively refine your search along multiple facets of the entities stored in the registry, a natural way to find the information you are looking for
- Easy-to-use editors to define business classifications and access control rules
- Derby database support, in the development environment only
- Tighter integration with WebSphere Business Services Fabric
- Enhanced governance of services through the new promotion model
- Support for representation of WebSphere MQ endpoints as services
- Support for migration from WebSphere Service Registry and Repository V6.0.2 to V6.1

### For ordering, contact:

Your IBM representative or the Americas Call Centers at

**800-IBM-CALL** Reference: YE001

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## Overview

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WebSphere® Service Registry and Repository V6.1 can help you achieve tangible business value from your SOA by enabling better management and governance of your services. Through its robust registry and repository capabilities and its tight integration with IBM SOA Foundation, WebSphere Service Registry and Repository is an essential foundational component of your SOA implementation.

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## Key prerequisites

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Refer to the Hardware requirements and Software requirements sections.

### Planned availability dates

- December 21, 2007 (electronic software delivery)
- January 25, 2008 (media and documentation)

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## Description

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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 manage the services in your SOA throughout the life cycle.

WebSphere Service Registry and Repository is an industrial-strength tool that helps you achieve tangible business value from your SOA by enabling better management and governance of your services. Through its robust registry and repository capabilities and its tight integration with IBM SOA Foundation, WebSphere Service Registry and Repository is an essential foundational component of your SOA implementation.

**Store, access, and manage information to support a successful SOA:** The WebSphere Service Registry and Repository system lets you store, access, and manage information about the services (commonly referred to as service metadata) in your SOA. This information is used to select, invoke, govern, and reuse services.

You can use WebSphere Service Registry and Repository to store information about services in your systems, or in other organizations' systems, that you already use, that you plan to use, or that you want to be aware of. For example, an application can check with WebSphere Service Registry and Repository just before it invokes a service to locate the most appropriate service that satisfies its functional and performance needs. This capability helps make your SOA deployment more dynamic and more adaptable to changing business conditions.

WebSphere Service Registry and Repository includes:

- Service registry that contains information about services, such as the service interfaces, its operations, and parameters.
- Metadata repository that has the robust framework and extensibility to suit the diverse nature of service usage.
- Support for clustered deployment topology, meeting the scalability requirements with the growth of services and associated metadata.
- Support for graphical viewing of relationships between services and related data, to visualize the complex relationships between services and related metadata (or artifacts) stored in WebSphere Service Registry and Repository. Graphical representation makes it easier to understand the impact of making changes, a much more intuitive way to interact with the SOA metadata with enriched information.
- Support for Derby database (development environment only) to enable quick testing of your run-time mediations assembled using WebSphere Integration Developer or WebSphere Process Server with new support for the WebSphere Service Registry and Repository unit test environment. Small footprint and easy setup of Derby database also enable quick setup of test environments.
- Tighter integration with WebSphere Business Services Fabric to ensure consistency among business models and classification systems across your business services in WebSphere Business Services Fabric and corresponding IT services in WebSphere Service Registry and Repository. Provides comprehensive service information — both at a technical level and at the business service level — enabling tighter linkage for service-oriented business solutions (composite applications).
- Enhanced governance of services through the new promotion model to leverage the automated promotion model support between WebSphere Service Registry and Repository instances for sophisticated service life-cycle and environment support.
- Service Discovery capabilities for services deployed on WebSphere Application Server and .NET servers: New Service Discovery engines extract Web services description files that enable governing deployed services.
- New capability that enables representing MQ endpoints as first-class services, promoting reuse and optimization of WebSphere MQ services.
- Document support feature that lets you annotate services with any form of document (for example, Word, PowerPoint, Visio, Excel), including:
  - Store a binary or generic document as a new type of document
  - Relate it to another entity that it describes using the existing relationship facility

- Retrieve and update documentation associated with the service
- UDDI synchronization module, which allows entries created via a UDDI v3-capable product to be synchronized with entries in WebSphere Service Registry and Repository. WSDL document entries that have been created in UDDI following Best Practice: "Using 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.
- Load documents facility that enables users to add multiple documents, resolve all import dependencies, and optionally to save the documents as a collection.

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

- **Have 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 life-cycle management and governance so that you can better control your 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 (WSDL), 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. Thus, better governance of your 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 your SOA alongside your existing assets and processes.

**Playing a vital role in IBM SOA Foundation:** WebSphere Service Registry and Repository plays a major role in the SOA life cycle.

- **Model.** During service modeling, you can use WebSphere Service Registry and Repository to create or reuse service taxonomies, classifications, and XML schemas.
- **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.
- **Deploy.** As part of the service deployment process, you can publish service descriptions to 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 runtimes.
- **Manage.** To manage services that leverage system-management practices (such as Information Technology Infrastructure Library (ITIL) processes, and Change and Configuration Management Database (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.

The service registry forms the core that feeds the overall SOA governance technology, which underpins the SOA framework. Today, most service registries provide basic publishing and

discovery of service descriptions. Some solutions may offer basic repositories, but they do not address the overall service metadata aspects in a repository. WebSphere Service Registry and Repository overcomes these deficiencies. Its robust, industrial-strength capabilities help you efficiently manage access to, and governance of, services. Standard registry and repository functions for the entire software life cycle, well integrated with IBM SOA Foundation and other complimentary 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.

WebSphere Service Registry and Repository is a critical component across all stages of the SOA life cycle:

- Interacting with the service development life cycle with standard asset management solutions
- Tracking the service life-cycle stages as the service goes through the change and release management processes
- Providing optimized access to run-time facilities
- Sharing information on services and service metadata with operational system management utilities

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

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### Section 508 of the U.S. Rehabilitation Act

WebSphere Service Registry and Repository is capable as of January 25, 2008, 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.

You can request a U.S. Section 508 Voluntary Product Accessibility Template (VPAT) at

[http://www-3.ibm.com/able/product\\_accessibility/index.html](http://www-3.ibm.com/able/product_accessibility/index.html)

**IPLA and Subscription and Support considerations:** IPLA licenses can be transferred from one machine to another within, but not limited to an enterprise. You may aggregate the capacity for all the processors the product is operated on to achieve a more economic price. This will result in a single Proof of Entitlement (PoE). It is your responsibility to manage the distribution of Value Units within the limits of the entitlement of the product license.

Subscription and Support must cover the same capacity as the product license entitlement. Subscription and Support will be available in the country in which the agreement is made.

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## Product positioning

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

WebSphere Service Registry and Repository:

- Promotes reuse and eliminates redundancies:
  - Publish and find services and related metadata through all stages of SOA
  - Integration and federation with other standard registries and repositories
  - Creation of new business processes using services published in WebSphere Service Registry and Repository
- Enriches SOA run-time interaction:

- Enable optimized access to service metadata
- Manage service interactions and policies
- Enhance business services through rich service metadata stored with the corresponding IT services.
- Enables better control of SOA with governance:
  - Facilitate service life cycle with guards for state transactions
  - Analyze impacts of service introduction, deletion, or alteration by maintaining relationships
  - Manage role-based access to services, changes, versioning, and service retirement
  - Customize policy support for instituting best practices and enforcing policies associated with services in your SOA deployments
  - Offer 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 their services.

### Availability of national languages

Product description	Language	GA date
WS Service Reg & Repository V6.1.0	All Lang per ESD/PA Media Pks	January 25, 2008

### Trademarks

WebSphere is a registered trademark of International Business Machines Corporation in the United States or other countries or both.

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

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## Education support

The following educational offerings are available as listed below:

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

[http://www.ibm.com/services/learning/ites.wss/tp/en?pageType=tp\\_search](http://www.ibm.com/services/learning/ites.wss/tp/en?pageType=tp_search)

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

Education support will be provided for the product in this announcement.

Training is available for WebSphere® Service Registry and Repository. This education is offered by IBM Learning Services, IBM WebSphere Training and Technical Enablement, and Education Centers for IBM Software (ECIS). For information regarding worldwide availability of education offerings, including curriculum roadmaps, visit

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

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

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

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## Offering Information

Product information is available via the Offering Information Web site

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

Also, visit the Passport Advantage® Web site

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

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## Publications

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A printed Quick Start Guide only is shipped with this product. Product documentation for WebSphere Service Registry and Repository can be obtained from the IBM Publications Center. For the WebSphere Service Registry and Repository Information Center, visit

<http://publib.boulder.ibm.com/infocenter/sr/v6r1/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.

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## Technical information

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**Hardware requirements:** 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).

- AIX®: IBM System p™ servers
- HP-UX: Hewlett-Packard HP-9000 systems
- HP-UX: Intel® Itanium 2 processor systems
- Linux™: x86-compatible PC hardware
- Linux for System p platform: IBM Series p POWER™ systems
- Linux for System z™ platform: IBM S/390® or IBM eServer® (or equivalent) processor
- Solaris: Sun Microsystems SPARC processor systems
- Windows™: x86-compatible PC hardware

**Software requirements:** WebSphere Application Server Network Deployment V6.1.0 (32-bit) and Fix Pack 13, supplied with WebSphere Service Registry and Repository, is supported on the following 32-bit kernel platforms:

- Red Hat Enterprise Linux AS 4.0 update 2 on Intel
- SUSE Linux Enterprise Server 10.0 on Intel
- Microsoft™ Windows 2003 Server on Intel

WebSphere Application Server Network Deployment V6.1.0 (32-bit) and Fix Pack 13, supplied with WebSphere Service Registry and Repository, is supported on the following 64-bit kernel platforms:

- IBM AIX V5.3
- HP-UX PA-RISC 11iv2 (11.23)

- Red Hat Enterprise Linux AS 4.0 update 2 on Intel
- Red Hat Enterprise Linux AS 4.0 update 2 on IBM System p
- SUSE Linux Enterprise Server 10.0 on Intel
- SUSE Linux Enterprise Server 10.0 on IBM System p
- Solaris SPARC 2.10

WebSphere Application Server Network Deployment V6.1.0 (64-bit) and Fix Pack 13, supplied with WebSphere Service Registry and Repository, is supported on the following 64-bit kernel platforms:

- HP-UX Itanium 11iv2 (11.23) and 11iv3 (11.31)
- Red Hat Enterprise Linux AS 4.0 update 2 on IBM System z
- SUSE Linux Enterprise Server 10.0 on IBM System z
- z/OS® 1.8

WebSphere Service Registry and Repository client platforms:

- Microsoft Windows XP with Service Pack 2
- Microsoft Vista

**Repository databases:** DB2 Universal Database® Enterprise Server Edition V9.1 (32-bit) and appropriate Fix Pack (supplied with WebSphere Service Registry and Repository) is supported on the following 32-bit kernel platforms:

- Red Hat Enterprise Linux AS 4.0 update 2 on Intel
- SUSE Linux Enterprise Server 10.0 on Intel
- Microsoft Windows 2003 Server on Intel

DB2 Universal Database Enterprise Server Edition V9.1 (64-bit) and appropriate Fix Pack (supplied with WebSphere Service Registry and Repository) is supported on the following 64-bit kernel platforms:

- IBM AIX V5.3
- HP-UX PA-RISC 11iv2 (11.23)
- HP-UX Itanium 11iv2 (11.23) and 11iv3 (11.31)
- Red Hat Enterprise Linux AS 4.0 update 2 on Intel
- Red Hat Enterprise Linux AS 4.0 update 2 on IBM System p
- Red Hat Enterprise Linux AS 4.0 update 2 on IBM System z
- SUSE Linux Enterprise Server 10.0 on Intel
- SUSE Linux Enterprise Server 10.0 on IBM System p
- SUSE Linux Enterprise Server 10.0 on IBM System z
- Solaris SPARC 2.10
- z/OS 1.8

Oracle 10g Enterprise Edition Release 10.2.0.2.0 (32-bit) is supported on the following 32-bit kernel platforms:

- Red Hat Enterprise Linux AS 4.0 on Intel
- SUSE Linux Enterprise Server 10.0 on Intel
- Microsoft Windows 2003 Server on Intel

Oracle 10g Enterprise Edition Release 10.2.0.2.0 (64-bit) is supported on the following 64-bit

kernel platforms:

- IBM AIX 5.3
- Red Hat Enterprise Linux AS 4.0 on Intel
- Red Hat Enterprise Linux AS 4.0 on IBM System p
- SUSE Linux Enterprise Server 10.0 on Intel
- SUSE Linux Enterprise Server 10.0 on IBM System p
- Solaris SPARC 2.10

Derby 10.1 (shipped with WebSphere Application Server) is supported on the following platforms, in the **development environment only**:

- Red Hat Enterprise Linux AS 4.0 on Intel
- SUSE Linux Enterprise Server 10.0 on Intel
- Microsoft Windows 2003 Server on Intel

**Limitations:** WebSphere Service Registry and Repository is initially shipped in U.S. English. National language versions will be made available.

For additional information, refer to Usage restrictions in the Terms and conditions section of this announcement, or to the license information document that is available on the IBM Software License Agreement Web site

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

## Planning information

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**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 to V6.1 is provided. In order to migrate, customers will need to apply the latest Fix Pack level available for WebSphere Service Registry and Repository V6.0.2. For more information, see the WebSphere Service Registry and Repository product support site. Visit

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

**Installability:** Software Maintenance is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and technical support are provided by the 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 Maintenance with each program license acquired. The initial period of Software Maintenance can be extended by the purchase of a renewal option, if available.

## Packaging

- Quick Start Guide
- Quick Start CD-ROM
- WebSphere Service Registry and Repository V6.1 CD-ROMs
- WebSphere Application Server V6.1.0.13 CD-ROMs
- DB2 Universal Database V9.1 CD-ROMs

## Security, auditability, and control

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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.

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## Software Services

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IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of the IBM lab-based, software services team and the business consulting, project management, and infrastructure expertise of the IBM Global Services team. Also, IBM extends its Software Services reach through IBM Business Partners to provide an unmatched portfolio of capabilities. Together, they provide the global reach, intellectual capital, industry insight, and technology leadership to support any critical business need.

To learn more about Software Services or to contact a Software Services sales specialist, visit

<http://www.ibm.com/software/sw-services/>

To locate an IBM Business Partner, visit

<http://www.ibm.com/software/solutions/isv>

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## Ordering information

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

### Product information

Licensed function title	Product group	Product category
IBM WebSphere Service Registry and Repository	IBM Application Integration Middleware Other	WebSphere
Program name	PID number	Charge unit description
IBM WebSphere Service Registry and Repository	5724-N72	VU Value Unit
IBM WebSphere Service Registry and Repository	5724-N72	VU Value Unit
IBM WebSphere Service Registry and Repository	5724-N72	SubCapacity Value Unit
IBM WebSphere Service Registry and Repository	5724-N72	Processor Day
IBM WebSphere Service Registry and Repository	5724-N72	SubCapacity Value Unit

### Charge metrics definitions:

**Value Unit:** A Value Unit is a pricing charge metric for program license entitlements which is based upon the quantity of a specific designated measurement used for a given program. Each program has a designated measurement. The most commonly used designated measurement is a processor core. However, for select programs, there are other designated measurements such as users, client devices, and messages. The number of Value Unit entitlements required for a program depends on how the program is deployed in your environment and must be obtained from a Value Unit table. You must obtain a PoE for the calculated number of Value Unit entitlements for your implementation. The Value Unit entitlements are specific to a program and may not be exchanged, interchanged, or aggregated with Value Unit entitlements of another program.

**Processor (Value Unit):** A processor core is a functional unit within a computing device that interprets and executes instructions. A processor core consists of at least an instruction control unit and one or more arithmetic or logic unit. With multicore technology, each core is considered

a processor. Not all processor cores require the same number of Value Unit entitlements. To calculate the number of Value Unit entitlements required, refer to the value unit table on the following Web site

[http://www-142.ibm.com/software/sw-lotus/services/cwepassport.nsf/wdocs/pvu\\_table\\_for\\_customers](http://www-142.ibm.com/software/sw-lotus/services/cwepassport.nsf/wdocs/pvu_table_for_customers)

With full capacity licensing, a PoE must be acquired for the appropriate number of value units based on all activated processor cores available for use on the server.

**Sub-capacity processor (Value Unit):** For programs eligible for sub-capacity licensing, a PoE must be acquired for the appropriate number of value units based on all activated processor cores available for use in each partition (utilizing eligible partitioning technologies) where the program runs. Refer to the International Passport Advantage Agreement Attachment for sub-capacity terms or the program's license information to determine applicable sub-capacity terms.

### Passport Advantage program licenses

#### WebSphere Service Registry and Repository

Part description	Part number
IBM WebSphere Service Registry and Repository Service Registry VU Value Unit License & SW Maintenance 12 Months	D59D4LL
Service Registry VU Value Unit SW Maintenance Annual Renewal	E02YFLL
Service Registry VU Value Unit SW Maintenance Reinstatement 12 Months	D59D5LL

#### Passport Advantage supply

Program name/description	Part number
WS Service Reg & Repository V6.1.0	
WS Service Registry and Repository V6.1 Multiplatform Media Pk Multilingual	BAONAML

#### 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.

#### WS Service Reg & Repository V6.1.0

Entitled maintenance offerings description	Media packs description	Part number
WS Service Registry and Repository zLinux per Subcap Val Unit	WS Service Registry and Repository V6.1 Multiplatform Media Pk Multilingual	BAONAML
WS Service Registry and Repository zLinux per Value Unit	WS Service Registry and Repository V6.1 Multiplatform Media Pk Multilingual	BAONAML
WebSphere Service Registry and Repository per Subcap Val Unit	WS Service Registry and Repository V6.1 Multiplatform Media Pk Multilingual	BAONAML
WebSphere Service Registry and Repository per Value Unit	WS Service Registry and Repository V6.1 Multiplatform Media Pk Multilingual	BAONAML

#### Cross-platform product for use on System z

Order the part numbers that follow when there is an intention to acquire this cross-platform product for deployment on the System z or S/390 platform. This set of part numbers provides the identical supply and authorization as the other set in this announcement. The distinction is to identify the planned deployment platform.

Program name/description	Part number
Service Registry VU Value Unit License & SW Maintenance 12 Months	D60RPLL
Service Registry VU Value Unit SW Maintenance Annual Renewal	E03P8LL
Service Registry VU Value Unit SW Maintenance Reinstatement 12 Months	D60RRL

### Sub-capacity

#### IBM WebSphere Service Registry and Repository

Part number	Part description
D60RQLL	Service Registry SubCapacity Value Unit License & SW Maintenance 12 Months
D59D2LL	Service Registry SubCapacity Value Unit License & SW Maintenance 12 Months
E03P9LL	Service Registry SubCapacity Value Unit SW Maintenance Annual Renewal
E02YELL	Service Registry SubCapacity Value Unit SW Maintenance Annual Renewal
D59D3LL	Service Registry SubCapacity Value Unit SW Maintenance Reinstatement 12 Mo
D60RSLL	Service Registry SubCapacity Value Unit SW Maintenance Reinstatement 12 Mo

#### Sub-capacity for selected middleware products

Sub capacity licensing on a per processor or per Value Unit basis is available for selected middleware products. To offer sub-capacity licensing, IBM software products implement IBM Tivoli® License Compliance Manager within their offerings so that you can monitor and report quarterly to IBM on the use of the programs on a continuous basis.

More information can be found on the Passport Advantage Web site

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

**Eligibility requirements for sub-capacity licensing:** To be eligible for sub-capacity licensing terms on this product, you must agree to install and configure IBM Tivoli License Manager for IBM Software, in accordance with the IBM Tivoli License Manager publications, and to enable the collection of program use data on all eligible machines subject to sub-capacity terms.

For those machines running programs with sub-capacity licensing terms, you must use IBM Tivoli License Manager for IBM Software to monitor program use and submit to IBM an IBM Use Report each calendar quarter. Multiple copies of IBM Tivoli License Manager for IBM Software or IBM Tivoli License Manager are not required. You can use more copies if you need them to support your operational environment, but only one copy is required to monitor all your sub-capacity licensed products.

Additionally, if this is the first product you have licensed under sub-capacity terms, you must agree to the terms of an attachment to your Passport Advantage or Passport Advantage Express contract and submit a new Passport Advantage enrollment form. First-time sub capacity clients also have an opportunity to ensure a primary business contact is established for their contracts.

For more information on required and entitled license capacity, license requirements, and reporting, refer to [205-093](#), dated April 19, 2005.

If you order (this product) under sub-capacity terms, IBM Tivoli License Manager for IBM Software will be made available to you if you do not already have one. You must install and configure this tool for your sub-capacity products. Alternately, you can use Tivoli License Manager. Once the license manager software is installed, you will be required to register online (IBM may need to contact you in order to finalize the registration process.) You must monitor program use on a continuous basis with an IBM Tivoli License Manager for IBM Software and submit IBM Use Reports to IBM on a calendar quarterly basis.

IBM Tivoli License Manager for IBM Software is documented in the following customer publications, which are available from IBM Publications Center at

<http://www.elink.ibm.com/public/applications/publications/cgibin/pbi.cgi?>

Publication	Form
Planning, Installation, and Configuration	SC32- 1431
Administration	SC32- 1430
Problem Determination	SC32- 9102
Data Dictionary	SC32- 1432
Release Notes	SC32- 1429

For IBM Tivoli License Manager configuration guidance and instructions for specific products (including this product) acquired with sub-capacity terms, refer to

<http://www.lotus.com/sub-capacity>

The Web site will give you information about how to set up the product for detection by IBM Tivoli License Manager, any required maintenance, and any required steps that are unique to this product.

### On/Off Capacity on Demand (CoD)

#### IBM WebSphere Service Registry and Repository

Part description	Part number
Service Registry Processor Day Per Use-DAY, On Off Capacity on demand Temp	D59E2LL

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## Terms and conditions

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

**Licensing:** IBM International Program License Agreement including the License Information document and PoE govern your use of the program. PoEs are required for all authorized use.

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 Maintenance, previously referred to as Software Subscription and Technical Support.

### License Information form number(s)

Program name	Program number	Form number
WebSphere Service Registry and Repository	5724- N72	L- AF0S- 76RF58

The program's License Information will be available for review on the IBM Software License Agreement Web site



**Software maintenance applies:** Yes. Software Maintenance is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and technical support are provided by the 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 Maintenance with each program license acquired. The initial period of Software Maintenance can be extended by the purchase of a renewal option, if available.

While your Software Maintenance is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance via telephone and, if available, electronic access, to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, 7 days a week. For additional details, consult your IBM Software Support Guide at

<http://techsupport.services.ibm.com/guides/handbook.html>

Software Maintenance does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under the applicable agreements.

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

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

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#### Other terms

**Volume orders (IVO):** No

**System i™ Software Maintenance applies:** No

**Educational allowance available:** Not applicable

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#### On/Off CoD

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

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The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

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### Prices

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