



WebSphere Service Registry and Repository Advanced Lifecycle Edition V7.5 stores, catalogs, and organizes assets and services

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At a glance

IBM® WebSphere® Service Registry and Repository Advanced Lifecycle Edition V7.5 delivers innovations in user experience, with new and improved integrations to create a powerful end-to-end governance solution for managing and measuring your SOA.

WebSphere Service Registry and Repository Advanced Lifecycle Edition stores, catalogs, and flexibly organizes assets and services; it enables you to get a handle on what assets you have, making it easy to locate or distribute. This robust solution captures dependencies between services and applications, reducing risk with exposure to the business when making changes (or upgrading). With the ability to report on key metrics, WebSphere Service Registry and Repository Advanced Lifecycle Edition is a key ingredient to plan, assess, and improve assets and associated policies. This solution integrates with clients' existing SOA infrastructure and has built-in capabilities to federate and leverage service information to and from other sources.

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

WSRR Advanced Lifecycle Edition

YE001

Overview

IBM WebSphere Service Registry and Repository Advanced Lifecycle Edition stores, catalogs, and flexibly organizes assets and services; it allows customers to get a handle on what assets they have, making it easy to locate or distribute. This robust solution captures dependencies between services and applications, reducing risk with exposure to the business when making changes (or upgrading). With the ability to report on key metrics, WebSphere Service Registry and Repository Advanced Lifecycle Edition is a key ingredient to plan, assess, and improve assets and associated policies. This solution integrates with clients' existing SOA infrastructure and has built-in capabilities to federate and leverage service information to and from other sources.

WebSphere Service Registry and Repository Advanced Lifecycle Edition V7.5 is composed of:

- WebSphere Service Registry and Repository, V7.5

- IBM Rational® Asset Manager, V7.5.0.2

WebSphere Service Registry and Repository Advanced Lifecycle Edition V7.5 leverages the new features, enhancements and benefits from both WebSphere Service Registry and Repository V7.5 and IBM Rational Asset Manager V7.5.0.2 to create a powerful end-to-end governance solution for managing and measuring your SOA.

WebSphere Service Registry and Repository V7.5 delivers the following new features and benefits:

- New and enhanced Business Space widgets simplify the publication and governance of your services and increase visibility.
 - The new Service Registry Navigator widget allows gives users the ability to quickly browse registry content visually, giving a one-upstream and one-downstream view of related content.
 - The Collection View widget is enhanced to allow the creation of new views that you configure with a wizard. You specify a single query or an aggregation of multiple queries to create different Watch Lists, which can appear on your space as separate widgets or in the view menu of a single Collection View widget.
 - The Collection View widget now has an icon mode that enables you to browse the collection result by icons, enabling quicker recognition of the content type for which you are looking.
 - The Service Registry Actions widget now enables you to configure your own actions, allowing your governance process to be more prescriptive for your users.
 - The Details Widgets has many enhancements. You can now use this to configure use visibility of properties for each registry type and to group those properties into custom sections. You can determine which classification taxonomies should be displayed to the user. You can also determine if a property is visible on creation. The visibility of relationships can also be configured, and custom queries can be included as relationships. This allows you to have focused content for each user role.
 - The new Service Registry Graphical Explorer widget gives impact analysis of the registry content in visual form with icons that represent the different types of content that exist in the registry repository. This allows for rapid understanding of all the relationships.
 - The new Activity widget offers an efficient way to keep track of the changes that have been made and those responsible for making the changes.
- Extensive enhancements have been made in WebSphere Service Registry and Repository's report hosting capabilities. A new reporting servlet enables reports to be hosted in the Business Space Web Site widget, allowing you to quickly view your reports in the context of your WebSphere Service Registry and Repository Business Space. You are also able to view reports outside the context Business Space.
- The new space templates for Business Space give a preconfigured, roles-based starting point for your governance process. You can use these space templates as is, extend, or modify them to suit your end users' needs.
- WebSphere Service Registry and Repository V7.5 extends its search capabilities to include full text search with the ability to enhance the precision of the search with such things as conditional terms and ranges.
- Governance processes are unique to a company's structure and the processes change over time as a company changes. Because of this, WebSphere Service Registry and Repository is flexible and configurable to handle these changes. WebSphere Service Registry and Repository V7.5 has focused on the ease to which companies can tailor their service governance with improvements to WebSphere Service Registry and Repository Studio.
 - The new Access Control Editor in WebSphere Service Registry and Repository Studio makes it easier to define roles and permissions for those roles.
 - Major enhancements to governance policy authoring and attachment include click-to-assign life cycles to entities modeled in WebSphere Service Registry

and Repository Studio and a WebSphere Service Registry and Repository Role Assertion wizard to help assign assertions to life cycle transitions. In addition, a new Governance Policy Editor allows for the graphical construction of Policy Rules.

- The upgrade and migration functionality has been improved allowing for smooth upgrades from WebSphere Service Registry and Repository V6.3 and WebSphere Service Registry and Repository V7.0, and enables data manipulation from one WebSphere Service Registry and Repository V7.5 instance to another. The improvements include a web UI which displays feedback on how the upgrade is progressing.
- WebSphere Service Registry and Repository 7.5 sees the introduction of SCA Service Endpoints to represent governable non-WebServices export bindings; these appear, and are controlled, in the same way as SOAP Service Endpoints. It also introduces the ability to override the values of SCA exposed endpoints directly from the web UI to allow for easier promotion to run-time environments. Additionally, the 7.5 InfoCenter features a new tutorial explaining how to govern SCA objects using the Governance Enablement Profile both from the service provider's and service consumer's viewpoint.
- The subscription notification framework, previously only available for "email" type notifications, has been enhanced with support for the following new features:
 - Http POST endpoint notifications which allows a post to user-defined web servlets.
 - Enhanced subscription matching capabilities enable matching subscription targets by XPath, related objects, attached policies, and saved searches.
 - Custom notifier plugin capability gives users the ability to create their own type of notifier. For example, SMS message notifier to alert when a service needs approval.

WebSphere Service Registry and Repository V7.5 provides the following new features and benefits for integration:

- The approval process solution enhancements in WebSphere Service Registry and Repository V7.5 enlist the power of WebSphere Business Process Management (BPM) portfolio to provide advanced, flexible, and configurable approval workflows based on majority voting pattern. Enhanced integration provides the capabilities of multiple groups participating in governance decisions for approvals. Integration with an existing WebSphere Business Monitor enables various human-centric, approval-related key performance indicators (KPIs). Work Basket based assignment support can classify governance approvals into logical worklists to enable collaborative decision making.
- The new WebSphere Message Broker policy analytics provide metrics on policy set enforcement outcomes. This data provides customers with a detailed inspection of the distribution of WS-Security policy enforcement outcomes across their deployed broker run time systems
- WebSphere Service Registry and Repository V7.5 can now author and attach policies to services that exploit IBM's elastic caching for connectivity products, WebSphere eXtreme Scale and WebSphere DataPower® XC10 Appliance. A very significant part of our Caching in the SOA Connectivity initiative is a policy-driven cache management system supporting improved response times for our clients' SOA Connectivity solutions.
- WebSphere Service Registry and Repository V7.5 license has been extended to include the ability to install WebSphere Service Registry and Repository into the IBM WebSphere Integration Developer Unit Test Environments to allow unit testing with WebSphere Enterprise Service Bus and WebSphere Process Server.

IBM Rational Asset Manager V7.5 compliments IBM WebSphere Service Registry and Repository and delivers the following new features and benefits:

- Application Lifecycle Management (ALM) teams can manage assets more effectively by linking them to Jazz™ resources such as requirements, work items, and test cases.

You can create links to resources in IBM Rational Quality Manager and IBM Rational Requirements Composer, in addition to IBM Rational Team Concert™.

When you create the connection to any of these servers in your IBM Rational Asset Manager community, choose the appropriate server type from the drop-down list.

- New integration with IBM Rational System Architect helps keep stakeholders engaged in your Enterprise Architecture initiatives.

IBM Rational System Architect users can publish diagrams and definitions as an asset to IBM Rational Asset Manager; they can also search and retrieve the diagrams and definitions. Provide support for OpenSocial gadgets makes assets more interesting and useful when combined with social applications across websites. Add dynamic gadgets from other applications directly on to the General Details page for an asset.

- New integration support with Lotus® Connections exposes your assets within social computing software for business, enabling greater innovation through social collaboration.

View business cards for users and add an iWidget to a Lotus Connections community.

- Hovering support for asset and user links provides summary information, helping you quickly review resources with less navigation.
 - View details for assets and users: Hover your mouse cursor over the names of assets or users to view details without leaving the current page.
 - Asset details: You can hover your cursor over assets on the Home and Submit pages, related assets, and search results to see more details.
 - User details: Wherever users are displayed, you can hover your cursor the users and get details about their profiles.

- Improved handling for asset libraries and taxonomies make it easier to manage large volumes of asset and asset metadata.

Enabled libraries can now share assets and asset metadata, which allows you to better manage multiple libraries with complicated dependencies.

- New support for using IBM Rational Insight enables intelligent analysis and reporting to better understand what assets you have, reduce duplication, and bring the most benefit to the organization.
- Development techniques can be improved using the included "asset-based development" process content for IBM Rational Method Composer, part of the IBM Rational Measured Capability Improvement Framework (MCIF).
- IBM Rational Asset Manager is available for use on the IBM Cloud to help you realize faster deployment with reduced capital and operational costs.
- IBM Rational Asset Manager Enterprise Edition no longer requires the purchase of a server license, providing more flexibility in the deployment of clusters and stand-alone servers.
- New availability of Token licensing can help reduce deployment costs by sharing Token licenses across one or more IBM Rational products.

Additional enhancements and benefits

- Share forums between communities: To better collaborate with other teams, you can now share a forum across multiple communities.
- Override community permissions for a state in a life cycle: You can allow only collaborators that you specify for an asset to view or modify an asset, preventing others in the community from making changes.
- Duplicate community life cycles: You can duplicate a community life cycle to use as the basis for a new life cycle.
- Configure automatic asset subscriptions per user: When you create an asset, you can disable the subscription function.
- Generate OAuth consumer keys for other applications: You can now generate OAuth consumer keys and secrets so that other applications can access information on this repository.
- Include updated Approval API: IBM Rational Asset Manager now supports the required portion of the proposed Approval specification. Users can now see their requested approvals across servers.

- Include new Asset subscriptions API: Subscriptions package has been added to the Java™ client API for managing asset subscriptions.
- Include action buttons at the top and bottom of pages: Action buttons are now at the top of the page so that you can modify the page without scrolling to the bottom.
- Include linked artifacts across versions: In linked asset content in an Eclipse workspace, the version of an asset might be different. If the artifact of the resource is not on the newly selected version, a window opens in which you can choose what to link.
- Include attribute resource linking: You can set resource links for resource attributes. Users can select the connections that are defined on the server.

You can purchase WebSphere Service Registry and Repository Advanced Lifecycle Edition as a stand-alone solution; or with existing WebSphere Service Registry and Repository licenses, you can add authorized user licenses to get to Advanced Lifecycle Edition functionality. To comply with the terms and conditions, when you purchase WebSphere Service Registry and Repository Advanced Lifecycle Edition solution as stand-alone product, you must order both the Processor Value Unit (PVU) (full capacity or sub capacity) and authorized user part numbers. For details of the purchasing scenarios, refer to the [Description](#) section.

Key prerequisites

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

Planned availability date

June 3, 2011: Electronic availability

June 17, 2011: Media availability

Description

WebSphere Service Registry and Repository Advanced Lifecycle Edition delivers combined, integrated design-time and run-time SOA repositories to govern the service life cycle from creation to consumption and provide a means to measure your SOA's success. The components of the solution include:

- Rational Asset Manager offers numerous points of integration, including:
 - WebSphere Service Registry and Repository and IBM Rational Asset Manager governs the service life cycle from creation to consumption. The integration supports publishing and synchronizing the development SOA assets with their associated run-time services, closing the loop on end-to-end SOA Governance.
 - WebSphere Business Modeler, WebSphere Integration Developer and WebSphere Business Monitor integrate with IBM Rational Asset Manager. Users can browse, add and import BPM assets directly from within their supported WebSphere product.
 - IBM Rational Asset Manager integrates with IBM Tivoli® Change and Configuration Management Database (CCMDB). You can automatically create assets in IBM Rational Asset Manager from existing configuration items (CIs) in CCMDB. You can also use IBM Rational Asset Manager as a definitive software library (DSL) for storing software images; in this scenario, you create CIs in CCMDB from existing assets in the IBM Rational Asset Manager repository.
 - IBM Rational Asset Manager integrates with build management systems. The included ANT library and Java APIs make it easy to integrate with IBM Rational Build Forge®, ANT, Maven, and others.
 - You can create links to resources in IBM Rational Team Concert, IBM Rational Quality Manager, and IBM Rational Requirements Composer. For example, you

could create an enhancement in IBM Rational Team Concert about an asset, and then create a link between the asset and the work item.

- The IBM Rational Asset Manager Eclipse Client adds asset management to your eclipse-based product. Users can connect to one or more IBM Rational Asset Manager repositories, search, publish, import, govern, and modify assets.
- WebSphere Service Registry and Repository, which manages information useful for the run-time operation, management, and development use of services

With WebSphere Service Registry and Repository Advanced Lifecycle Edition, you can do the following:

- **Store and organize assets**

- During design phase
 - Easily locate existing reusable assets
 - Create and package assets
 - Highlight reusable assets important to the business
 - Search using categories, facets, and keywords
 - Categorize assets
- During run time and deployment
 - Publish and find your services and related information in one place
 - Increase visibility of services throughout your organization
 - Expose redundant and inefficient services
 - Establish service level definitions for services
 - Govern the service consumer, increasing the visibility of who is using the services
 - Manage consumer service subscriptions through Service Level Agreements

- **Customize workflow**

- During design phase
 - Easily approve, review, rate, and discuss assets
 - Define workflow associated with creating and reviewing assets
 - Implement roles and access controls for assets at development time
- During run time and deployment
 - Implement decision rights and processes to make changes
 - Easily approve, promote, introduce, and retire services
 - Maintain test environments separate from production
 - Manage consumer service subscriptions through Service Level Agreements

- **Perform impact assessment**

- During design phase
 - Gather ratings, feedback, and statistics to help in asset evaluation
 - Use RSS feeds, email, and discussion groups to notify users of changes to assets
 - Enable traceability to related assets and service implementation artifacts
- During run time and deployment
 - Expose multiple versions of the same service
 - Efficiently manage changes to service metadata and notify stakeholders

- **Audit and report**

- During design phase
 - Perform comprehensive asset-level reporting and metrics
 - Complete asset activity and audit reporting
 - Report on assets at repository level
- During run time and deployment

- Plan and assess the service life cycle workflow
- Plan and assess the services and business processes managed through the service life cycle
- Report on consumer Service Level Agreements
- Provisioning reports comparing Service Level Definition to Service Level Agreements in order to provision and manager resources.
- **Service Federation Management**
 - During run time and deployment
 - Extend your SOA reach by sharing services across SOA domains in a secure and governed way using the Web 2.0 Business Space widgets via Feature Pack 2 V7.5 for WebSphere Service Registry and Repository.

Purchasing scenario details

WebSphere Service Registry and Repository Advanced Lifecycle Edition includes two products with different charge metrics. The Rational Asset Manager charge metric is an Authorized User Single Install license, while the WebSphere Service Registry and Repository charge metric is a Processor Value Unit (PVU). Both charge metrics are required in order to have a functioning WebSphere Service Registry and Repository Advanced Lifecycle Edition bundle.

- You can buy WebSphere Service Registry and Repository Advanced Lifecycle Edition V7.5 Passport Advantage® Program License (5724-V01), comprising two licenses:
 - Processor Value Unit license plus Software Subscription and Support 12 months (D040WLL)
 - Authorized user license plus Software Subscription and Support 12 months (D0BPWLL)
- You can buy WebSphere Service Registry and Repository Advanced Lifecycle Edition V7.5 for Linux® on IBM System z® Passport Advantage Program License (5724-V01), comprising two licenses:
 - Processor Value Unit license plus Software Subscription and Support 12 months (D081QLL)
 - Linux on IBM System z Authorized user license plus Software Subscription and Support 12 months (D0BQILL)
- You can buy WebSphere Service Registry and Repository Advanced Lifecycle Edition V7.5 Passport Advantage Program License (5724-V01), comprising two licenses:
 - Processor Value Unit license plus Software Subscription and Support 12 months (D040WLL)
 - Linux on IBM System z Authorized user license plus Software Subscription and Support 12 months (D0BQILL)
- You previously bought WebSphere Service Registry and Repository (5724-N72) and are now including part number D0BPWLL or D0BQILL.

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

You can request a US Section 508 Voluntary Product Accessibility Template (VPAT) at

http://www-03.ibm.com/able/product_accessibility/index.html

Section 508 of the US Rehabilitation Act

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

Program number

Program number	VRM	Program name
5724-v01	7.5.0	WebSphere Service Registry and Repository Advanced Lifecycle Edition

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

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

For the WebSphere Service Registry and Repository V7.5 Information Center, visit

<http://publib.boulder.ibm.com/infocenter/sr/v7r5/index.jsp>

For the IBM Rational Asset Manager V7.5 Information Center, visit

<http://www-01.ibm.com/support/docview.wss?rs=3263&uid=swg27012775>

The IBM Publications Center

<http://www.ibm.com/shop/publications/order>

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the US) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries.

Specified operating environment

Hardware requirements

WebSphere Service Registry and Repository platforms

- 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 processor
 - Minimum 2 GB physical memory, 3 GB recommended
 - CD-ROM drive
 - DVD-ROM drive
- Linux on x86
 - Intel Pentium® (or equivalent) processor at 1 GHz, or faster
 - 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 IBM WebSphere Application Server)
 - Intel Pentium (or equivalent) processor at 1 GHz, or faster
 - 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 IBM 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).

IBM Rational Asset Manager hardware requirements:

Disk space

- Server: Minimum: 5 GB (with embedded WebSphere Application Server and DB2® Enterprise Server Edition). IBM Rational Team Concert is a required component that you must install as part of the IBM Rational Asset Manager installation. IBM Rational Team Concert requires an additional 250 MB of disk space for the server files, and the IBM Rational Team Concert database needs 5 GB+ of free space. If you plan to add IBM Rational ClearCase® or ClearQuest® clients, consult their disk space requirements.
- Client: Minimum: 500 MB

Display

- Server: 1024 x 768 display minimum using 256 Colors (or higher for best results)
- Client: 1024 x 768 display minimum using 256 Colors (or higher for best results)

Memory

- Server: Minimum: 2 GB RAM (with embedded WebSphere Application Server, DB2 Enterprise Server Edition and IBM Rational Team Concert) or 3 GB (with IBM Rational ClearCase or ClearQuest clients)
- Client: Minimum: 512 MB RAM

Other hardware

- Server and client: Microsoft mouse or compatible pointing device

Processor

- Server: Minimum: 2 GHz Intel Pentium4, dual CPU (or higher for best results)
- Client: Minimum: 1.4 GHz Intel Pentium 4 (or higher for best results)

For IBM Rational Asset Manager hardware requirements, refer to Software Announcement [210-323](#), dated September 21, 2010, IBM Rational Asset Manager V7.5 a definitive library, delivers software and systems deliverables to be shared or referenced throughout the organization.

Software requirements

WebSphere Service Registry and Repository platforms

IBM AIX

- Application server: WebSphere Application Server Network Deployment V7.0 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 TL1 with Recommended Maintenance package 6100-00-04
 - AIX 5.3 TL7 with Service Pack 5300-07-01 (32-bit and 64-bit kernel support)
- Operating systems supported with 64-bit WebSphere Application Server:
 - AIX 7.1 with Service Pack 7100-00-01
 - AIX 6.1 TL1 with Recommended Maintenance package 6100-00-04
 - AIX 5.3 TL7 with Service Pack 5300-07-01 (64-bit kernel support)
- Database requirements:
 - DB2 Workgroup Server Edition for Linux, UNIX®, and Microsoft Windows, V9.7 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.1 with fix pack 4, 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 V7.0 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 2007 (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 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.1 with fix pack 4, 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 V7.0 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/Advanced
 - Red Hat Enterprise Linux 5.0 Server/Advanced Update 1
 - Red Hat Enterprise Linux 4.0 AS/ES Update 6
 - SUSE Linux Enterprise Server 11.0
 - SUSE Linux Enterprise Server 10.0 with Update 1

- SUSE Linux Enterprise Server 9.0 SP4
- Database requirements:
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows,V9.7 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows,V9.5 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows,V9.1 with fix pack 4, 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 V7.0 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/Advanced
 - Red Hat Enterprise Linux 5.0 Server/Advanced Update 1
 - Red Hat Enterprise Linux 4.0 AS/ES Update 6
 - SUSE Linux Enterprise Server 11.0
 - SUSE Linux Enterprise Server 10.0 with Update 1
 - SUSE Linux Enterprise Server 9.0 SP4
- Operating systems supported with 64-bit WebSphere Application Server:
 - Red Hat Enterprise Linux 6.0 Server/Advanced
 - Red Hat Enterprise Linux 5.0 Server/Advanced Update 1
 - Red Hat Enterprise Linux 4.0 AS/ES Update 6
 - SUSE Linux Enterprise Server 11.0
 - SUSE Linux Enterprise Server 10.0 with Update 1
 - SUSE Linux Enterprise Server 9.0 SP4
- Database requirements:
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.7 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.1 with fix pack 4, 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 V7.0 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/Advanced
 - Red Hat Enterprise Linux 5.0 Server/Advanced Platform Update 1
 - Red Hat Enterprise Linux 4.0 AS/ES Update 6
 - SUSE Linux Enterprise Server 11.0
 - SUSE Linux Enterprise Server 10.0 with Update 1
 - SUSE Linux Enterprise Server 9 SP4
- Operating Systems supported with 64-bit WebSphere Application Server:
 - Red Hat Enterprise Linux 6.0 Server/Advanced

- Red Hat Enterprise Linux 5.0 Server/Advanced Update 1
- Red Hat Enterprise Linux 4.0 AS/ES Update 6
- SUSE Linux Enterprise Server 11.0
- SUSE Linux Enterprise Server 10.0 with Update 1
- SUSE Linux Enterprise Server 9.0 SP4
- Database requirements:
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.7 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.1 with fix pack 4, or later
 - Oracle 10g Standard and Enterprise Editions Release 2

Linux on IBM System z

- Application server: WebSphere Application Server Network Deployment V7.0 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/Advanced
 - Red Hat Enterprise Linux 5.0 Update 1
 - Red Hat Enterprise Linux 4.0 AS Update 6
 - SUSE Linux Enterprise Server 11.0
 - SUSE Linux Enterprise Server 10.0 with Update 1
 - SUSE Linux Enterprise Server 9.0 SP4
- Database requirements:
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.7 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.1 with fix pack 4, or later

Sun Solaris SPARC

- Application server: WebSphere Application Server Network Deployment V7.0 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 July 01, 2008, 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 July 01, 2008, or later (64-bit kernel support)
- Database requirements:
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.7 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.1 with fix pack 4, 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 V7.0 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 SP1, x64 SP1 and R2
 - Microsoft Windows Server 2008 Enterprise Edition x86 SP1, x64 SP1 and R2
 - Microsoft Windows Server 2003 Standard Edition x86 SP2 and R2, x64 SP1 and R2
 - Microsoft Windows Server 2003 Enterprise Edition x86 SP2 and R2, x64 SP2 and R2
 - Microsoft Windows 7 Ultimate x86 and x64
 - Microsoft Windows 7 Enterprise x86 and x64
 - Microsoft Windows 7 Professional x86 and x64
 - Microsoft Windows Vista Ultimate
 - Microsoft Windows Vista Ultimate SP1
 - Microsoft Windows Vista Enterprise
 - Microsoft Windows Vista Business
 - Microsoft Windows XP Professional with SP2
- Operating systems supported with 64-bit WebSphere Application Server:
 - Microsoft Windows Server 2008 Standard Edition x64 SP1 and R2
 - Microsoft Windows Server 2008 Enterprise Edition x64 SP1 and R2
 - Microsoft Windows Server 2003 Standard Edition x64 SP2 and R2
 - Microsoft Windows Server 2003 Enterprise Edition x64 SP2 and R2
 - Microsoft Windows 7 Ultimate x64
 - Microsoft Windows 7 Enterprise x64
 - Microsoft Windows 7 Professional x64
- Database requirements:
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.7 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.5 with fix pack 1, or later
 - DB2 Workgroup Server Edition for Linux, UNIX, and Microsoft Windows, V9.1 with fix pack 4, 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

IBM Rational Asset Manager Standard Edition V7.5

Application servers

- Apache Tomcat 5.5
- Embedded version of IBM WebSphere Application Server with ISC 6.1
- WebSphere Application Server V6.1.0.31
- WebSphere Application Server V7.0.0.11
- Embedded version of IBM WebSphere Application Server V7.0

Databases

- DB2 Enterprise Server Edition 9.5

- DB2 Enterprise Server Edition 9.7
- Microsoft SQL Server 2005 SP2
- Microsoft SQL Server 2008
- Oracle Database 10g Standard/Enterprise Editions Release 1
- Oracle Database 10g Enterprise Edition Release 2
- Oracle Database 11g Enterprise Edition Release 1

Eclipse Runtime Environment: IBM Eclipse SDK 3.4.2

Identity management

- Microsoft Active Directory 2003
- IBM Tivoli Directory Server V6.2

Installation: IBM Rational Common Desktop Install V7.0

Java 2 SE Runtime Environment

- IBM Java SDK 5.0 SR6
- Sun Java SDK/JRE/JDK 5.0/1.5

Web browsers

- Microsoft Internet Explorer 8.0
- Microsoft Internet Explorer 7.0
- Mozilla Firefox 3.6
- Mozilla Firefox 3.5

For the latest information on IBM Rational Asset Manager software requirements, visit

<http://www-01.ibm.com/support/docview.wss?rs=3263&uid=swg27014356>

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

Customer responsibilities

The customer must provide the minimum hardware and software environments in which the licensed programs run.

For WebSphere Service Registry and Repository V7.5 information, visit

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

For IBM Rational Asset Manager V7.5 information, visit

<http://www-01.ibm.com/support/docview.wss?rs=3263&uid=swg27014356>

Packaging

Package includes:

- License document
- Advanced Lifecycle Edition Quickstart Guide
- WebSphere Service Registry and Repository Advanced Lifecycle Edition, V7.5 Quickstart Guide CD

- WebSphere Service Registry and Repository V7.5 DVDs
- WebSphere Application Server Network Deployment, V7.0 (included on WebSphere Service Registry and Repository DVDs)
- IBM DB2 Workgroup Server Edition, for Linux, UNIX and Windows V9.7
- IBM Rational Asset Manager V7.5 CDs
- IBM Rational Enterprise Deployment, V7.5 CDs
- IBM Rational License Server
- IBM Tivoli Common Reporting V1.2 DVD

Security, auditability, and control

WSRR Advanced Lifecycle Edition 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 Advanced Lifecycle Edition	IBM Application Integration Middleware Other	WebSphere
Program name	PID number	Charge unit description
WebSphere Service Registry and Repository Advanced Lifecycle Edition	5724-V01	Per Processor Value Unit (PVU)
WebSphere Service Registry and Repository Advanced Lifecycle Edition	5724-V01	Per Processor value Unit for Linux on System z
WebSphere Service Registry and Repository Advanced Lifecycle Edition	5724-V01	Per Authorized User
WebSphere Service Registry and Repository Advanced Lifecycle Edition	5724-V01	Per Authorized User for Linux on System z

Charge metrics definitions

Authorized User Single Install

Authorized User Single Install is a unit of measure by which the program can be licensed. An Authorized User is a unique person who is given access to the program. An Install is an installed copy of the program on a physical or virtual disk made available to be executed on a computer. The program may be installed on any number of computers or servers, but if the Authorized User has accessed or has access to more than one Install of the program, the Authorized User requires a separate entitlement for each such Install. Licensee must obtain separate, dedicated entitlements for each Authorized User accessing the program on each Install in any

manner directly or indirectly (for example, via a multiplexing program, device, or application server) through any means. An entitlement for an Authorized User is unique to that Authorized User and may not be shared, nor may it be reassigned other than for the permanent transfer of the Authorized User entitlement to another person.

Processor Value Unit (PVU)

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

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

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

Licensee can deploy the program using either Full Capacity licensing or Virtualization Capacity (Sub-Capacity) licensing according to the Passport Advantage Sub-Capacity Licensing Terms (refer to the website 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.
- Express® and Workgroup programs may be licensed with maximum use terms. In that case, the following applies: The maximum authorized use terms and conditions for PVU licensed IBM Express and Middleware Programs can be found in the *IBM Express and Middleware Licensing Guide*.

Passport Advantage program licenses

WSRR Advanced Lifecycle Edition

Part description	Part number
WebSphere Service Registry and Repository Advanced Lifecycle Edition	
WSRR ALE Per Authorized User Annual SW S&S Rnw1	E0865LL
WSRR ALE Per Authorized User Lic + SW S&S 12 Mo	D0BPWLL
WSRR ALE Per Authorized User SW S&S Reinstate 12 Mo	D0BPXLL
WSRR ALE Per Processor Value Unit (PVU) Annual SW S&S Rnw1	E04SVLL
WSRR ALE Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D040WLL
WSRR ALE Per Processor Value Unit (PVU) SW S&S Reinstate 12 Mo	D040XLL

Passport Advantage supply

Program name/description	Part number
WSRR ALE V7.5.0	
WSRR Advanced Lifecycle Edition V7.5 Multiplatform Media Pk Multilingual	BA10AML

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.

WSRR ALE V7.5.0

Entitled maintenance offerings description	Media packs description	Part number
IBM WebSphere Service Registry and Repository Advanced Lifecycle Edition Linux on z per Processor Value Unit	WSRR Advanced Lifecycle Edition V7.5 Multiplatform Media Pk Multilingual	BA10AML
IBM WebSphere Service Registry and Repository Advanced Lifecycle Edition per Authorized User	WSRR Advanced Lifecycle Edition V7.5 Multiplatform Media Pk Multilingual	BA10AML
IBM WebSphere Service Registry and Repository Advanced Lifecycle Edition per Authorized User for Linux on System z	WSRR Advanced Lifecycle Edition V7.5 Multiplatform Media Pk Multilingual	BA10AML
IBM WebSphere Service Registry and Repository Advanced Lifecycle Edition per Processor Value Unit	WSRR Advanced Lifecycle Edition V7.5 Multiplatform Media Pk Multilingual	BA10AML

Cross-platform products

Cross-platform product 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.

WSRR Advanced Lifecycle Edition

Part description	Part number
WebSphere Service Registry and Repository Advanced Lifecycle Edition	
WSRR ALE Per Aut.U.for Linux on Sys.z Annual SW S&S Rnw1	E086FLL
WSRR ALE Per Aut.U.for Linux on Sys.z Lic + SW S&S 12 Mo	D0BQILL
WSRR ALE Per Aut.U.for Linux on Sys.z SW S&S Reinstate 12 Mo	D0BQJLL
WSRR ALE Per Proc VU for Lin Sys z Annual SW S&S Rnw1	E06HQLL
WSRR ALE Per Proc VU for Lin Sys z Lic + SW S&S 12 Mo	D081QLL
WSRR ALE Per Proc VU for Lin Sys z SW S&S Reinstate 12 Mo	D081RLl

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License Information form number

Program name	Program number	Form number
WSRR Advanced Lifecycle Edition	5724-V01	L-SBRY-8D9GR6

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

Money-back guarantee

For clarification, note that if for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

- For clarification, note that for programs acquired under the IBM International Passport Advantage Agreement, this term applies only to your first acquisition of the program.

Volume orders (IVO)

No

Passport Advantage applies

Yes, and through the Passport Advantage website at

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

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

Usage restriction

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

IBM operational support services - SoftwareXcel

No

System i Software Maintenance applies

No

Educational allowance available

Not applicable.

Prices

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