



IBM Rational Transformation Workbench accelerates mainframe application modernization and reuse

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At a glance

IBM Rational Transformation Workbench abstracts business and technical knowledge from existing applications. This can help you to identify, prioritize, and execute development activities that realign software assets to support business priorities.

IBM Rational Transformation Workbench can help drive down the cost of ownership and can help accelerate the modernization, reuse, and maintenance of many business-critical mainframe applications — including initiatives to reuse existing application components in SOAs.

IBM Rational Transformation Workbench includes the following:

- Application Analyzer, which helps to demystify code through interactive analysis of software assets within a meaningful business context
- Application Profiler, which offers nonprogrammers browser-based insight into the application and their business rules
- Language parsers, which support COBOL, PL/I, Natural, and High Level Assembler source files as well as CICS®, IMS™, DB2®, and SQL constructs

An optional **Business Rules Extension** accelerates the discovery, organization, and management of the business logic that controls existing applications.

An optional **Application Architect Extension** can help to renovate and restructure mainframe enterprise applications to increase efficiency and reuse.

The **Reuse Analyzer** for IBM Rational Transformation Workbench technical preview can help to quickly assess an application's suitability for reuse in an SOA. **For ordering, contact:**

Your IBM representative or the Americas Call Centers at

800-IBM-CALL Reference: YE001

Overview

The applications that automate a business tend to become more complex, less understood, and less adaptable to new business conditions as they age. IBM Rational® Transformation Workbench V3.1 lets organizations modernize these assets to more effectively fulfill business initiatives. IBM Rational Transformation Workbench helps to bridge the knowledge gap that sometimes exists between business processes and the IBM System z™ applications that automate them. It collects and abstracts business and technical knowledge from highly complex systems. Combining this insight with automated code modernization, technologies accelerate the execution of the identified

modernization activities.

V3.1 enhancements include:

- Powerful grouping and documentation capabilities enable business context to be applied to software assets, enhancing understanding of complex systems.
- New diagramming capabilities help you to abstract software entities and their interrelationships to higher levels. Analysts, developers, and other team members can more quickly comprehend and adapt applications.
- Enhancements to business rule discovery, management, and interactive visualizations streamline the process of isolating logic can be decoupled and reused in a service-oriented architecture (SOA).
- A consolidated impact analysis mode helps a developer or analyst to quickly identify how a proposed change will affect the boundaries of the application or subsystem.

In addition to the full-strength workbench, IBM Rational Transformation Workbench Analyzer for Eclipse provides a core set of analysis capabilities for COBOL and PL/I developers in the workflow of their integrated development environment (IDE). It supplies additional Eclipse views to IBM Rational Developer for System z V7.1 (and its predecessor, WebSphere® Developer for System z V7). These developer-oriented analysis capabilities complement the fuller analysis and application transformation tools in the IBM Rational Transformation Workbench (sold separately).

The IBM Rational Transformation Workbench V3.1 is the follow-on release for IBM Asset Transformation V2.1.

Key prerequisites

Refer to the Hardware requirements and Software requirements sections.

Planned availability dates

- November 21, 2007 (electronic software delivery)
- December 7, 2007 (media and documentation)

Description

Application Knowledgebase

The foundation of IBM Rational Transformation Workbench is the Enterprise Application Knowledgebase, which provides a current, detailed, and contextualized inventory of software assets. Once loaded, the Knowledgebase can be regularly refreshed on a schedule convenient for users. The Enterprise Application Knowledgebase continues to deliver insight and value even as your applications and business processes evolve.

Application Analyzer

Application Analyzer abstracts business and technical knowledge from existing applications, helping organizations to more quickly align their existing IT investments with business priorities. The module demystifies complex enterprise applications, and the business processes that they support.

Application Analyzer provides metrics, reports, documentation, and visualizations that help application teams and their managers to identify, prioritize, and execute modernization initiatives. It can perform change impact analysis, generate interactive and business-centric diagrams, create system documentation, and browse source code in context-sensitive mode. Application Analyzer can provide information that makes it possible to analyze complex applications with confidence, bring new development team members up to speed quickly, accelerate the execution of maintenance/transformation tasks, and reduce the risk of change.

Abstraction of business and technical insights

You can create and organize entities stored in the repository through a 'tagging' architecture based on the business function, geography, or other user-defined descriptors. These tag groups can then be given values to apply to entities and groups of entities. Once marked, you can select a diagramming view that focuses attention on a particular tag value of interest. This abstraction lets you more readily comprehend highly complex systems, and understand their boundaries and

interactions.

Inventorying and metrics of application artifacts improve IT governance

Using Application Analyzer, managers can better scope their projects and prepare roadmaps for maintaining and modernizing their application portfolio. Application Analyzer delivers dozens of industry standard complexity and maintainability metrics. In addition to cyclomatic complexity, function points, and lines of code, you can customize metrics to conform to your requirements.

Metrics reports help you to manage application portfolios to service level agreements — for internal use or in an outsourced setting. It enables improved governance by identifying inefficient and especially complex code and helps managers to determine the degree of effort required for application modernization and application maintenance activities. Essential complexity and a maintainability index are now calculated.

Rich diagrams for documentation and knowledge transfer

Application Analyzer generates detailed diagrams of your applications. Because of the depth of analysis provided by the module, analysts can readily 'zoom-in' from high-level scopes to extremely detailed visualizations of their systems. Select also from a wide spectrum of scopes, including screen flows, dependencies, call maps, and more. Analysts can customize the scope of the diagrams to focus on information of interest, accelerating knowledge transfer. The new ability to abstract diagrams and to add business context greatly enhances the power of diagrams to communicate the structure and relationships of a business process and the software that automates it.

Deep, synchronized "hyper views" that demystify complex applications

Application Analyzer provides an interactive environment in which you can navigate multiple, synchronized views of their enterprise applications. Select from numerous views, including source code, context parse tree, call maps, data and control flow charts, and many others. A simple click on an element updates the other views, to quickly understand even the most complex system. A new, customizable "Watch Pane" is added.

It allows centralized access to information about a selected software entity.

Flexible reporting options that ease knowledge transfer

Application Analyzer generates a broad spectrum of reports that ensure the efficient transfer of knowledge between team members. Management-level application portfolio reports, diagrams and impact analysis, and many other reports can be readily exported in industry-standard formats — including HTML. New features allow many reports to be run in batch mode, streamlining their creation.

Powerful search locates hidden artifacts

Application Analyzer provides a powerful querying engine that locates constructs of interest buried within application code. Search for inefficient or non-standard coding structures, or uncover the elements that will be affected by a particular enhancement. Application Analyzer includes a library of pre-built queries that address common tasks, or use a wizard to tailor your own searches.

A new tool helps developers and analyst to focus on what matters to them in their current business scenario. Logic Analyzer leverages Application Architect's algorithms to create a logical 'slice' of a program. The code is then marked within the original program in Source View and Interactive Analysis. For instance, an analyst or developer may want to discover how 'institutional' claims flow through a claims processing system. This flow can now be isolated from other kinds of claims, and better understood by an analyst.

Boundary identification to define project scope

Application Analyzer provides an interactive analysis environment to uncover and catalog applications' interface points. By 'resolving' the connections between an application and other systems, you can gain additional insight into the size of an application modernization or maintenance initiative.

Glossary that links business and technical terminology

Extensive usability and capability improvements are made to glossary. It is now a central component that bridges business and technical terminology stored in the repository. This allows analysts to map business context onto technical terms. This can help to reduce the challenge of creating accurate functional specifications. It also lowers training times for non-subject matter experts. It provides more intuitive documentation that can be important for compliance activities.

Application Profiler

Application Profiler can help boost productivity by providing technical and business team members with the information they need to effectively understand and plan their enterprise applications. This flexible, browser-based tool gives nonprogrammers such as support, quality assurance, and business analysts insight into their systems without requiring specialized knowledge or skills, and without disturbing developers. When used with the Business Rules Extension, analysts and other team members can organize, annotate, and understand the business logic of their applications without disturbing developers. This can greatly accelerate the formulation and execution of needed development tasks.

Source language parsers

IBM Rational Transformation Workbench includes language scanners for COBOL, PL/I, High Level Assembler, and Natural and it "understands" many CICS, IMS, DB2, and SQL constructs. For the first time, V3.1 integrates support for IBM 360/370/390 High Level Assembler Language. Support for syntax in Enterprise PL/I and CICS Transaction Server V3.2 will be added after general availability of V3.1.

For a list of supported languages, refer to the system requirements at

<http://www.ibm.com/software/awdtools/rtw/>

Optional extension — Business Rules Extension

The Business Rule Extension delivers patented technology that accelerates the discovery of business rules embedded within enterprise applications. It identifies logic via sophisticated search algorithms and data flow analysis. This method is complemented by analyst-led approaches to discover and organize key logic. It yields insights into organizations' operations that are essential for application modernization and application maintenance activities.

Analyst-centric discovery of business rules

Business Rule Manager offers numerous paths to navigate complex code to identify business rules.

- Through the platform's powerful querying engine you can build, share and reuse searches that locate specific code constructs of interest that are rule candidates.
- An interactive environment includes auto-detection based on data flows can dramatically reduce the amount of time developers spend searching through source code to find and identify business rules.

Productivity enhancements in V3.1 are designed to improve the overall user experience with the tool, make it easier to group business logic in ways that provide meaningful levels of abstraction, and document difficult-to-decipher code execution paths in a more straightforward and productive way.

The value of the Rules Repository

Business Rule Extension stores rules documentation in a centralized XML-based repository, ensuring that people and other technologies can readily reuse information extracted for modernization initiatives. For instance, stored rules can be used for redevelopment activities and as documentation to enable developers to focus enhancement efforts on the correct rule changes. The resulting documentation can be used as part of an architecturally driven modernization project, a move to a rules engine, or as the basis for functional specifications managed in IBM Rational RequisitePro® requirements. New reporting mechanisms make it easier for you to review and present rules mining and documentation efforts in group and walkthrough settings.

The Business Rules Extension is an optional, separately priced feature.

Optional extension — Application Architect

Application Architect can help increase the productivity of a development group when restructuring, componentizing for inclusion in a service-oriented application, or renovating many existing applications. Application Architect uses sophisticated algorithms to partition code into new components.

The componentization of logic results in a structured architecture that can reduce complexity, facilitate modernization, unlock key business processes for reuse by other programs or applications, and improve performance of frequently used programs. Componentization can help reduce maintenance costs by:

- Isolating business logic into discrete programs and limiting the scope of future changes

- Reducing testing, due to business logic isolation
- Enabling parallel change activities with business logic being separated into individual programs rather than being combined in larger programs
- Accelerating application understanding
- Freeing 'key' developers who were previously the only ones that understood these complex areas of code
- Restructuring highly used programs to reduce mainframe CPU consumption
- Enabling reuse of business processes, and conversely, avoids implementation and maintenance of redundant business logic

Customers' experience with IBM Rational Transformation Workbench technology shows that up to 20% of all application code may be functionally dead or obsolete.

That means it is never executed but continues to be analyzed and maintained by the team. This waste of resources can be avoided through Application Architect by automatically locating and removing the obsolete code.

The Architect Extension is an optional, separately priced feature.

WebSphere Studio Asset Analyzer Bridge

Efficient analysis of an application portfolio requires the ability to quickly assess extremely large enterprise applications, determine areas of interest, and then focus effort on the applications with the most urgent needs. Through a software bridge, IBM Rational Transformation Workbench and WebSphere Studio Asset Analyzer integrate to address this requirement. Developers can rely on WebSphere Studio Asset Analyzer to rapidly generate a high-level understanding of their systems, and then pass the insight and impact analysis across the bridge to Asset Transformation Workbench. Project leaders and architects can then utilize IBM Rational Transformation Workbench to modernize and manage the applications targeted through WebSphere Studio Asset Analyzer.

The WebSphere Studio Asset Analyzer Bridge gives a list of files and their locations in the source management system or PDSs corresponding to either:

- Applications as defined in WebSphere Studio Asset Analyzer
- Files identified in a WebSphere Studio Asset Analyzer impact analysis
- Files necessary to build a set of programs

The WebSphere Studio Asset Analyzer Bridge is implemented as a Web services client communicating directly with WebSphere Studio Asset Analyzer elsewhere on your TCP/IP network.

Technical Preview — Reuse Analyzer for IBM Rational Transformation Workbench

The Reuse Analyzer will help you rapidly assess an application's suitability for reuse in an SOA. Specifically, it can help to:

- Categorize CICS and IMS programs written in COBOL by the type of work they do (screen, business logic, data access, hybrid, and so on)
- Identify potential architectural "traps" that would require remediation before making a particular program or program call hierarchy available as a Web service
- Create Web Services Description Language (WSDL) files corresponding to selected data elements in your program you wish to make available in a Web service. (A WSDL file can then be used with XML Services for the Enterprise, which is a feature of IBM Rational Developer for System z.)

The Reuse Analyzer will be available in the support downloads section at the following Web address.

<http://ibm.com/software/awdtools/rtw/>

IBM Rational Transformation Workbench Analyzer for Eclipse

The IBM Rational Transformation Workbench Analyzer for Eclipse adds a perspective to an

installation of IBM Rational Developer for System z (or its predecessor, WebSphere Developer for System z). This perspective includes five integrated and synchronized Eclipse views:

- Program context (this program and the objects to which it relates)
- Impact analysis (this program and other programs and data that make up an application)
- Program flow (paragraph-level flow within a program)
- Flowchart diagrams (statement level within a COBOL paragraph)
- Repository browser

IBM Rational Transformation Workbench Analyzer for Eclipse includes these key analysis capabilities:

- Find intra-and inter-program and data relationships
- Visualize programs' structure and relationships through contextual and logical views
- Identify potential impacts of proposed changes across the programs and data in your application
- Search for relevant patterns in your source using a sophisticated syntactic search
- Use the library of pre-built queries to find non-standard code or dead code
- Move among synchronized multiple views of the program — including the LPEX source code editor in IBM Rational Developer for System z
- Exploit advanced functions in IBM Rational Developer for System z V7.1 (or its predecessor WebSphere Developer for System z V7.0), including remote and local projects and the Remote System Explorer (RSE)

Analyzer for Eclipse includes support for COBOL and PL/I programs. It uses the same repository as the IBM Rational Transformation Workbench and in fact can be used to create a repository for use by the other components of the IBM Rational Transformation Workbench family of products.

The single-program-at-a-time focus of IBM Rational Transformation Workbench Analyzer for Eclipse addresses many essential developer activities; however most larger projects also require application-wide views and include analysis and transformation tasks that would benefit from the additional capabilities of the IBM Rational Transformation Workbench and its two extensions, Business Rules Extension, and Application Architect Extension (all sold separately).

Section 508 of the U.S. Rehabilitation Act

IBM Rational Transformation Workbench Analyzer Eclipse is capable as of December 7, 2007, 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 U.S. Section 508 Voluntary Product Accessibility Template (VPAT), containing details on the products accessibility compliance, can be requested at

http://www.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.

Statement of direction

Support for PL/I language syntax introduced in Enterprise PL/I will be available in part around the end of 2007 with fuller support by March 31, 2008. Support for new EXEC CICS syntax in CICS Transaction Server V3.2 will be available by March 31, 2008.

All statements regarding IBM plans, directions, and intent are subject to change or withdrawal without notice.

Trademarks

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Rational, WebSphere, CICS, DB2, and RequisitePro are registered trademarks 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.

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>

Publications

No publications are shipped with these products.

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

Hardware requirements

- Intel® Pentium® IV 2.0 GHz processor, or better
- Minimum 1 GB RAM (2 GB RAM recommended)
- Minimum of 200 MB disk space for the IBM Rational® Transformation Workbench software
- Minimum of 50 MB disk space for the WebSphere® Studio Asset Analyzer Bridge
- Disk space approximately 30 times the size of the source code for the workspace (repository)
- Virtual swap file of at least 2 GB

Software requirements: One of the following workstation operating systems:

- Microsoft® Windows® XP Professional with Service Pack 1, or later
- Microsoft Windows 2000 Professional with Service Pack 4, or later
- Microsoft Windows Server 2003 (optional deployment server for the IBM Rational Transformation Workbench Application Profiler component)
- Microsoft Internet Information Services (IIS) for the Application Profiler server
- Microsoft .NET framework 2.0, if using the WebSphere Studio Asset Analyzer Bridge (included with the WebSphere Studio Asset Analyzer WSAA Bridge installation)

- Microsoft Internet Explorer 6.0 with, or later

Limitations: The High Level Assembler parser provides basic application analysis capabilities and include making visible internal program structure and relationship to other programs (in the Context Tree), pattern-oriented searches (using Clipper) system diagrams (in Callie), and some kinds of business rule discovery using the Business Rule Extension. Workbench capabilities for Assembler programs are not equal to those for COBOL programs. For instance, data flow analysis, business rule auto-detection, and code restructuring are not available.

For additional information, refer to Usage restrictions in the **Terms and conditions** section, 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

IBM Rational Transformation Workbench installs on a PC workstation. Its repository resides on the local workstation. To populate the repository, it is necessary to download your mainframe source files to the workstation. This can be done in a number of ways:

- Ad hoc download using existing processes in your enterprise.
- The WebSphere Studio Asset Analyzer Bridge that can use FTP to retrieve source files from your mainframe computer. To use this capability, FTP must be configured on your mainframe, and the files you wish to download must be inventoried in the WebSphere Studio Asset Analyzer repository. The WebSphere Studio Asset Analyzer Bridge, a component of IBM Rational Transformation Workbench, uses Web services to integrate with WebSphere Studio Asset Analyzer. Therefore, WebSphere Studio Asset Analyzer must be accessible over a TCP/IP network.

Note: Some additional files may need to be downloaded separately (for example, CICS® system definitions).

- Ad hoc download using IBM Rational Developer for System z™ V7.1 (or its predecessor, WebSphere Developer for System z V7.0). The Remote System Explorer can move files from the host to the workstation. IBM Rational Transformation Workbench Analyzer for Eclipse automatically builds a repository that can be copied to other workstations on which the IBM Rational Transformation Workbench is installed.
- An on-going batch refresh process tailored to your library management system, which moves copies of any relevant files that have changed, downloads them to the workstation, and updates one or more IBM Rational Transformation Workbench repositories. Configuring a batch refresh process is best done as part of a services engagement.

If you wish to use the Business Rules Extension or the Application Architect Extension, you must install the IBM Rational Transformation Workbench (sold separately) first.

The Reuse Analyzer for IBM Rational Transformation Workbench technical preview uses a repository previously created by IBM Rational Transformation Workbench or IBM Rational Transformation Workbench Analyzer for Eclipse.

IBM Rational Transformation Workbench and related products create application metadata based on static analysis of the source programs.

Some applications use information available only at runtime to determine the names of files to use for input/output or names of programs to call. These dynamically-determined dependencies typically cannot be resolved by static analysis programs. A decision resolution tool in IBM Rational Transformation Workbench can be used to manually resolve these dependencies.

Customer responsibilities: 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: IBM Rational Transformation Workbench

IBM Rational Transformation Workbench CD

IBM Rational Transformation Workbench Analyzer Eclipse

IBM Rational Transformation Workbench Analyzer Eclipse CD

Security, auditability, and control

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

Software Services

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

To learn more about IBM 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>

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
IBM Rational Transformation Workbench	IBM Application Integration Middleware Other	App Integration Middleware Other
IBM Rational Transformation Workbench Analyzer for Eclipse	IBM WebSphere	IBM WebSphere Tools
IBM Rational Transformation Workbench Architect Extension	IBM Application Integration Middleware Other	App Integration Middleware Other
IBM Rational Transformation Workbench Business Rules Extension	IBM Application Integration Middleware Other	App Integration Middleware Other
Program name	PID number	Charge unit description
IBM Rational Transformation Workbench	5724- T41	Authorized user
IBM Rational Transformation Workbench	5724- T41	Authorized user
IBM Rational Transformation Workbench Analyzer for Eclipse	5724- T49	Authorized user

IBM Rational Transformation Workbench Analyzer for Eclipse	5724- T49	Authorized user
IBM Rational Transformation Workbench Architect Extension	5724- T41	Authorized user
IBM Rational Transformation Workbench Architect Extension	5724- T41	Authorized user
IBM Rational Transformation Workbench Business Rules Extension	5724- T41	Authorized user
IBM Rational Transformation Workbench Business Rules Extension	5724- T41	Authorized user

Charge metrics definitions

Authorized user

An authorized user is one and only one individual (named or unnamed) within or outside your enterprise. A PoE must be obtained for each individual user accessing the program in any manner. A program licensed under an authorized user PoE may be installed on a single computer or server, and accessed by multiple users, provided that a PoE has been obtained for each individual user accessing the program either directly or indirectly (via a multiplexing program, device, or application server) through any means on behalf of the user.

Passport Advantage program licenses

IBM Rational Transformation Workbench Analyzer Eclipse

Part description	Part number
IBM Rational Transformation Workbench Analyzer for Eclipse Rational Trans Wrkbch Analyzer Eclipse Auth User SW Maint Annl Renewal	E030ELL
Rational Trans Wrkbch Analyzer for Eclipse Auth User Lic & SW Maint 12mo	D59ITLL
Rational Trans Wrkbch Analyzer for Eclipse Auth User SW Maint Reinstate	D59IULL

IBM Rational Transformation Workbench

Part description	Part number
IBM Rational Transformation Workbench Rational Transformation Wkbench Authorized user License & SW Maint. 1	D54VXLL
Rational Transformation Wkbench Authorized user SW Maint. Annual Rene	E01QFLL
Rational Transformation Wkbench Authorized user SW Maint. Reinstateme	D54VYLL

IBM Rational Transformation Workbench

Part description	Part number
IBM Rational Transformation Workbench Business Rules Extension RTW Business Rules Extension Authorized user License & SW Maintenance 1	D54W1LL
RTW Business Rules Extension Authorized user SW Maintenance Annual Rene	E01QHLL
RTW Business Rules Extension Authorized user SW Maintenance Reinstateme	D54W2LL

IBM Rational Transformation Workbench

Part description	Part number
IBM Rational Transformation Workbench Architect Extension	
RTW Architect Extension Authorized user License & SW Maintenance 12 Mon	D54WALL
RTW Architect Extension Authorized user SW Maintenance Annual Renewal	E01QLLL
RTW Architect Extension Authorized user SW Maintenance Reinstatement 12	D54WBLL

Passport Advantage supply

Program name/description	Part number
RTW Analyzer for Eclipse V3.1.0	
RTW Analyzer for Eclipse Windows 2000, Windows Server 2003, Windows XP Profe	BAOLKML
RTW Architect Extension V3.1.0	
RTW Architect Extension Windows 2000, Windows Server 2003, Windows XP Profes	BAOLJML
RTW Business Rules Extension V3.1.0	
RTW Business Rules Extension Windows 2000, Windows Server 2003, Windows XP P	BAOLIML
RTW V3.1.0	
RTW Windows 2000, Windows Server 2003, Windows XP Professional V3.1.0 Non-Cr	BAOLHML

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.

IBM Rational Transformation Workbench Business Rules Extension V3.1.0

Entitled maintenance offerings description	Media packs description	Part number
IBM RTW Business Rules Extension per Auth User for System z	RTW Business Rules Extension Windows 2000, Windows Server 2003, Windows XP P	BAOLIML
IBM RTW Business Rules Extension per Authorized User	RTW Business Rules Extension Windows 2000, Windows Server 2003, Windows XP P	BAOLIML

IBM Rational Transformation Workbench V3.1.0

Entitled maintenance offerings description	Media packs description	Part number
IBM RTW per Authorized User	RTW Windows 2000, Windows Server 2003, Windows XP Professional V3.1.0 Non-Cr	BAOLHML
IBM RTW per Authorized User for System z	RTW Windows 2000, Windows Server 2003, Windows XP Professional V3.1.0 Non-Cr	BAOLHML

IBM Rational Transformation Workbench Analyzer for Eclipse V3.1.0

Entitled maintenance offerings description	Media packs description	Part number
IBM RTW Analyzer for Eclipse per Auth User for System z	RTW Analyzer for Eclipse Windows 2000, Windows Server 2003, Windows XP Profe	BAOLKML
IBM RTW Analyzer for Eclipse per Authorized	RTW Analyzer for Eclipse Windows 2000, Windows	BAOLKML

User Server 2003, Windows XP
 Profes

IBM Rational Transformation Workbench Architect Extension V3.1.0

Entitled offerings description	Media packs description	Part number
IBM RTW Architect Extension per Authorized User	RTW Architect Extension Windows 2000, Windows Server 2003, Windows XP Profes	BAOLJML
IBM RTW Architect Extension per Authorized User for System z	RTW Architect Extension Windows 2000, Windows Server 2003, Windows XP Profes	BAOLJML

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
RTW Architect Extension Auth User Sys z License & SW Maintenance 12 Mon	D54WCLL
RTW Architect Extension Auth User Sys z SW Maintenance Annual Renewal	E01QMLL
RTW Architect Extension Auth User Sys z SW Maintenance Reinstatement 12	D54WDLL
RTW Business Rules Extension Auth User Sys z SW Maintenance Reinstateme	D54W9LL
RTW Business Rules Extension Auth User Sys z License & SW Maintenance 1	D54W8LL
RTW Business Rules Extension Auth User Sys z SW Maintenance Annual Rene	E01QKLL
Rational Trans Wrkbch Analyzer Eclipse Auth User Sys z Lic & SW Maint 12mo	D59IZLL
Rational Trans Wrkbch Analyzer Eclipse Auth User Sys z SW Maint Reinstmnt	D59JOLL
Rational Trans Wrkbch Analyzer Eclipse Auth User Sysz SW Maint Annl Renwal	E03OHLL
Rational Transformation Wkbench Auth User Sys z License & SW Maint. 1	D54VZLL
Rational Transformation Wkbench Auth User Sys z SW Maint. Annual Rene	E01QGLL
Rational Transformation Wkbench Auth User Sys z SW Maint. Reinstateme	D54WOLL

Terms and conditions

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

License Information form number

Program name	Program number	Form number
IBM Rational Transformation Workbench Analyzer Eclipse	5724-T49	L-JGAI-77NPRD
IBM Rational Transformation Workbench	5724-T41	L-JGAI-778QAS

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

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

Limited warranty applies: Yes

Warranty: IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. Consult the IBM Software Support Guide for further information at

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