



# IBM Rational Synergy V7.2 and IBM Rational Change V5.3 offer architectural and functional improvements to address changing needs of enterprise Change and Configuration Management

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## At a glance

In today's global economy, innovation holds the key to survival and growth. Organizations are profiting from skills and capital arbitrage through distributed resources. To support these dispersed, collaborative teams, organizations need a unifying platform for maximized value creation.

IBM® Rational® Synergy and IBM Rational Change together:

- Provide centralized Change and Configuration Management platform
- Bring together globally distributed teams
- Enable alignment of your technology investments with complex business demands to improve quality, accountability, and traceability

From bottom to top support for achieving agility through task-based configuration management, advanced Software Change Management (SCM) and component-based development capabilities to a top-down approach using a Central CM platform, you can ensure that all processes for the development and delivery of software, systems, and IT, can be defined, implemented, automated, visualized, and thus, managed. Out-of-the-box Enterprise Change processes, reports, and lifecycles assist your organization with Six Sigma metrics and provide a fully integrated solution that brings together software development, IT, and other sources of change and software development for effective decision making.

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: AE0001 ).

## Overview

Global organizations can now leverage a collaborative development process across the globe. IBM Rational Synergy and IBM Rational Change provide the necessary flexibility to adapt to ever changing business needs and give visibility to all levels of the development process and the evolving Enterprise Change Process (ECP).

IBM Rational Synergy V7.2 and IBM Rational Change V5.3 leverage and enhance the improvements made in the IBM Rational Synergy V7.1 and IBM Rational Change V5.2 release.

## **New enhancements**

- Architecture unification
- Improved administration
- Usability and Serviceability improvements
- Broader Ecosystem
- Enhanced Platform deployment choice

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## **Key prerequisites**

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For details, refer to the [Software requirements](#) section.

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## **Planned availability date**

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May 5, 2011: Electronic availability

May 5, 2011: Media availability

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## **Description**

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### **Architecture unification**

- Single global release helps customers plan on having a unified change and configuration management platform without having to wait on separate releases and the limitations of client functionality that existed between classic and web mode. The new database schema gives better performance, scalability, and wider search query results due to support for longer values for some attributes.
- Single GUI and CLI is geared for better performance and throughput as they rely on web mode for communication. You can expect a consistent and predictable behavior.

### **Improved administration**

- Fast Backup lets users from all geographic regions and time zones share databases through a centralized deployment infrastructure. The reduced downtimes for backup help plan for upgrades and routine maintenance activities more efficiently and improves overall productivity. This is particularly important in a globally distributed scenario with overlapping time zones. This results in more savings and value realization.
- Dynamic Privileges helps administer users in IBM Rational Change more efficiently and dynamically. In order to achieve this a new concept called Project is introduced in IBM Rational Change, which is a grouping of change requests and assigns roles to groups of users within that context. Through decentralization of administration, most project specific housekeeping activities can be self managed by project administrators with editor privileges.
- Password recovery helps in reducing the administration overhead as users can self service such requests.

### **Usability and serviceability improvements**

- Improved error messages with unique error codes helps to diagnose the issues in a predictable and consistent manner. These error codes will be published on the support site thereby making it easy for users to diagnose the health of the system.
- Attribute Driven Colour Schemes helps distinguish objects through icons which serve as visible cues and are customizable. Customers can incorporate their standard icons which help in bringing consistency to data representation across the enterprise.

- Deployment improvement for Change allows for more flexibility as one can install into an existing installation of Tomcat. This helps reusability of installations and lowers the administration overhead.
- Ad Hoc Relational Reports provide new reporting formats which can be based on the various relationships with objects. Users can choose attributes amongst the relationship objects in a linear or recursive manner. This is useful for stakeholder reporting where summary reports for relationships are required.

### **Broader Ecosystem**

- Change and Synergy users can leverage the Jazz™ platform for agile process adoption and can get the benefits of collaboration through Integrations with IBM Rational Team Concert™. The Change WorkItem Synchronizer helps in planning defect backlogs in IBM Rational Team Concert. The Synergy WorkItem Bridge lets organizations adopt Agile development and planning by tracking WorkItems in IBM Rational Team Concert and linking Synergy tasks from the WorkItem context. Stakeholders benefit from dashboards which provide the automated reporting capabilities.

### **Enhanced platform deployment choice**

- With this release, you can deploy on a wide array of software and hardware Platforms. With the Fast backup solution, organizations can plan on a centralized deployment infrastructure by investing in the newer deployment choices offered in this release. This offers greater flexibility and helps in reducing the total cost of ownership and improving return on investment.

### **IBM Rational Synergy**

Unify your global, distributed development teams on a central configuration and release management platform to allow greater team flexibility. This increases productiveness and reduces costs by the following:

- Working from another geographic region, working from home on a slow network is no longer a productivity problem.
- Centralize your Configuration Management servers for easy maintenance and low cost of operations.
- Reduce the need for complicated replication topologies and reduce the time for management, frees up resources and provides for enhanced collaboration.

Gain unique visibility and control via an integrated view of change and configuration management artifacts.

- Single repository solution for Change and Configuration Management offers higher degree of visibility into project health and progress, as well as traceability and validation.
- Reports and metrics help you monitor development progress in real-time for decision making support.
- Includes design and develop what you set out to build.
- Build upon advanced capabilities with high-end SCM support for effectively managing your software assets, thereby reducing development times.
- Software Reuse, Product Lines, Component based Development, Parallel Development, Conflict detection, and other function. These are all properties of a high-end SCM solution that provides greater efficiency and effectiveness in managing your software development lifecycle.

Coordinate software development around the globe with centralized repositories and administration, and achieve the benefits of application lifecycle management (ALM) on a global scale.

- Allows greater cooperation and collaboration between users around the world through sharing centralized repositories.
- With overlapping time zones and Agile practices, customers want availability around the clock. With fast backup performance for Informix® databases,

downtimes are reduced and maintenance activities can be planned more efficiently.

Simplify developer's daily lives by automating collaborative development activities. This leads to higher productivity and faster customer response times.

The integrations with IBM Rational Team Concert provides collaboration capabilities as users can leverage the Jazz capabilities of dashboards, planning and development in an Agile way.

Respond quickly to changing customer needs by innovatively executing complex development projects

- Stay ahead of the market
- Support the needs of advanced systems development

Productivity increase through simplified and easy to use clients

- With the architectural improvements and support for Unicode and database schema update, Asian and non-Asian customers can leverage a single GUI and CLI based on web mode communication.
- This helps in eliminating variants in terms of clients as well as Releases as there will be a single Global release.
- The functionalities of classic clients have been split across the CLI and GUI to achieve overall product functionality.

Include redesign of Migrate provides a flexible option to users to move repositories into Synergy

- Takes out the complexities of scripting if you tried to migrate it with work area reconcile/sync.
- If you perform a full migrate of an initial release, and then perform a subsequent incremental migrate, you get a sparse history of the files, directories and projects.

### **IBM Rational Change**

- IBM Rational Change V5.3 allows your business to quickly and easily start using various out-of-the box processes, lifecycles and reports for Development, Enterprise Change Process (ECP) leading to reduced effort and cost for deployment and faster return on investment thanks to a quicker deployment.
- Highly configurable workflow, with proven enterprise-level processes, provide the ability to support customer specific change management processes and to tightly integrate into the customer environment.
- Includes Change Request burn-down charts and Capability Maturity Model Integration (CMMI) reporting capabilities for improved management visibility into project health
- Round-trip traceability across the development lifecycle via integrations with leading software change and configuration management (SCCM) and ALM solutions provide support for your existing investments.
- Allows efficient and better administration of users and groups through Project and dynamic privileges. The roles and privileges are stored in RDS/LDAP and are global and can be assigned dynamically as per the changing needs of teams.
- Allows improved stakeholder reporting with Ad Hoc Relational Reports. Include linear and recursive relations to CR and chose attributes in an ad hoc manner for reports.

IBM Rational Synergy helps organizations manage complex software development projects. It helps decrease cost of development, reduce time-to-market, increase developer productivity and supports collaboration among globally dispersed teams. IBM Rational Synergy:

- Enables organizations to coordinate all software development around a Single Configuration Management Repository, which allows them to achieve the benefits of Application Lifecycle Management on a global scale.
- Enables organizations to control their critical software development requirements and support advanced systems delivery with the ability to work over a heavily distributed environment over a single central server.
- Enables a logical, incremental task-based approach to implementing software changes.
- Supports software component development, thereby encouraging reuse and reducing cost and speeding time to release.
- Provides advanced Baseline Management capabilities that help avoid duplication of effort and loss of quality.
- Improves productivity and communication to coordinate development efforts and to avoid duplication and the need for rework.
- Integrates with leading ALM tools, works within existing integrated development environments (IDEs), and provides tight integration with IBM Rational Change and IBM Rational DOORS®.
- Supports productive parallel development, reducing merge times and eliminating the need for duplicate code bases, leading to higher quality and more predictability in releases
- Allows faster backup performance for Informix database improves productivity by reducing downtime.
- includes schema changes means longer names, versions and accelerated attributes thereby improving query and search results.
- Removes requirement for Asian customers to wait for a separate release and the database schema upgrade to use Unicode helps with supporting the encoding and locales more robustly.
- Includes a redesigned migrate capability that replaces the one in the retired classic client. Migrate allows customer to easily create project structures in a Synergy database that represent directories and files in a file system for a component or application. It supports incremental migration of data that allows users to capture the changes made to directories and files compared with a reference project. This allows users to migrate initial and subsequent releases of a component or application to construct a sparse history of files, directories and projects. Mapping rules provide a powerful and extensible set of controls which help control migrate objects and their Synergy properties.

IBM Rational Change provides a unifying Change Management platform that enables companies to align technology investments with enterprise objectives by automating and integrating the evolution of changes, thereby being more responsive to customer needs, increasing quality of delivered products, reducing time to market, lowering cost of operations and providing improved decision making capabilities.

- Centralized Change Request Repository Support can help you move from change chaos to change competence. It supports faster and more informed decision making by enabling a holistic perspective of corporate change assets, processes and roles. Whether you need an objective, high-level view into your development schedule or critical QA metrics, IBM Rational Change will enable you to better monitor your change management data.
- Analytical, Standards-based, Real-time Reporting and Decision Support means you can have the actionable information you need, when you need it. Whether you need an objective high-level view into your development schedule or critical QA metrics, you can monitor the data that is most important to you.
- Reporting capabilities to ensure you never lose sight of your milestones. Historical trend analysis data, customizable reporting interfaces, unique user home pages, status indicators, traceability and prioritization capabilities, multiple charting and visualization options, and powerful querying abilities, you can focus on process improvement, reduce project delays and meet time-to-market promises by producing reliable budgets, schedules and testing plans.
- Proven, Mature Enterprise Change Process (ECP) Framework provides a mature, high-ROI process package for user-friendly, consistent Change Management across organizations of all types and sizes. It provides key functionality specifically designed for CMMI and SPiCE compliance including

project scheduling, effort estimation, causal analysis and process enforcement. At the same time, the framework is flexible and extensible, letting you define privilege mechanisms, progress indicators, interactive visualizations, tailorable workflows, impact analysis metrics, and dashboards to meet your business challenges.

- Support for heterogeneous SCM platforms through various integrations with tools like Team Concert, Synergy and ClearCase®. For most organizations, standardizing on a single SCCM solution is a distant goal. Organizations are burdened with a variety of SCCM tools and technologies due to legacy reasons, mergers and acquisitions, or simply the unique needs of different development projects.
- Enhanced Integrations that unify your Teams around a Common ALM Platform. Change supports OSLC CM 2.0 API for integrations with IBM Rational DOORS. It also integrates with Team Concert, Focal Point™, HP Quality Center to further extend you visibility and control over the extended development and delivery environment for optimal business benefits

## New features/enhancements

### Synergy

- Single global release
- Single GUI and CLI based on web mode communication
- Reduced backup time
- Improved IBM Help System
- Attribute driven color schemes
- Incremental migration

### Change

- Deployment improvement
- Password recovery
- Usability improvements
- Project Security for Dynamic Privileges
- Ad Hoc relational reports
- Search performance

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

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IBM Rational Synergy and Change Suite is capable as of May 5, 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 U.S. Section 508 Voluntary Product Accessibility Template (VPAT), containing details on the products accessibility compliance, can be requested on the following Web site

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

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## Availability of national languages

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Product description	Language	General availability date
Rational Change v5.3.0	Multilingual (English International, English US, English), Multilingual (Japanese, English)	May 5, 2011
Rational Synergy v7.2.0	Multilingual (English International, English US, English)	May 5, 2011
Synergy & Change Suite v7.2.0	Multilingual (English International,	May 5, 2011

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## Program number

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Program number	VRM	Program name
5724-x80	5.3.0	IBM Rational Change
5724-x73	7.2.0	IBM Rational Synergy
5724-y98	7.2.0	IBM Rational Synergy and Change Suite

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## Offering Information

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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>

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## Publications

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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.

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## Technical information

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### **Specified operating environment**

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#### **Software requirements**

#### **IBM Rational Synergy**

##### Databases

- Oracle Database 11g Enterprise Edition Release 2
- IBM Informix Dynamic Server 11.50.xC6 and future fix packs

##### LDAP servers

- IBM Rational Directory Server - Tivoli® 5.2 and future mod levels and their fix packs
- IBM Rational Directory Server - Apache 5.1.1 and future fix packs, mod levels and their fix packs

License Use Management - IBM Rational License Key Server 8.1.1 and future fix packs, mod levels and their fix packs

##### Web Browsers

- Microsoft® Internet Explorer 7.0

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

#### Operating systems

##### AIX®

- AIX 6.1 TL3 POWER System
- AIX 6.1 TL2 POWER System
- AIX 6.1 POWER System

HP - HP-UX 11i v3 IA64

##### Linux®

- SUSE Linux Enterprise Server (SLES) 11.0 x86-32
- SUSE Linux Enterprise Server (SLES) 11.0 x86-64
- SUSE Linux Enterprise Server (SLES) 11.0 SP1 x86-64
- SUSE Linux Enterprise Server (SLES) 11.0 SP1 x86-32
- Red Hat Enterprise Linux (RHEL) 5.0 Advanced Platform x86-64
- Red Hat Enterprise Linux (RHEL) 5.0 Advanced Platform x86-32

Solaris - Solaris 10 SPARC

##### Windows®

- Windows Server 2008 R2 Enterprise Edition x86-64
- Windows Vista SP2 Enterprise x86-64
- Windows 7 Professional x86-64
- Windows 7 Professional x86-32
- Windows Server 2008 Standard Edition x86-64
- Windows XP SP3 Professional x86-64
- Windows XP SP3 Professional x86-32
- Windows Server 2003 R2 SP2 Enterprise Edition x86-64
- Windows Server 2003 R2 SP2 Enterprise Edition x86-32
- Windows Vista Enterprise x86-32

### **IBM Rational Change**

#### LDAP Servers

- IBM Rational Directory Server - Tivoli 5.2 and future releases, mod levels and fix packs
- IBM Rational Directory Server - Apache 5.1.1 and future fix packs, mod levels and their fix packs

License Use Management - IBM Rational License Key Server 8.1.1 and future fix packs, mod levels and their fix packs

#### Web Browsers

- Microsoft Internet Explorer 7.0
- Microsoft Internet Explorer 8.0
- Mozilla Firefox 3.6
- Mozilla Firefox 3.5
- WebSphere® Application Server 7.0.0.1 and future fix packs



- IBM WebSphere Application Server Community Edition 2.1.1.1 and future fix packs
- Apache Tomcat 6.0 and future mod levels and fix packs
- Jetty 5.1.14

Works in conjunction with IBM Rational Synergy 7.2 and future fix packs

Operating systems

AIX

- AIX 6.1 POWER System
- AIX 6.1 TL2 POWER System
- AIX 6.1 TL1 POWER System

Linux

- SUSE Linux Enterprise Desktop (SLED) 11.0 x86-64
- Red Hat Enterprise Linux (RHEL) 5.0 Advanced Platform x86-64
- Red Hat Enterprise Linux (RHEL) 5.0 Advanced Platform x86-32
- SUSE Linux Enterprise Desktop (SLED) 11.0 x86-32

Solaris - Solaris 10 FP4 x86-64

Windows

- Windows Server 2003 R2 SP2 Enterprise Edition x86-32
- Windows Server 2008 R2 Standard Edition x86-64
- Windows Server 2008 R2 Enterprise Edition x86-64
- Windows Vista SP2 Enterprise x86-64
- Windows Vista SP2 Enterprise x86-32
- Windows 7 Enterprise x86-64
- Windows 7 Enterprise x86-32
- Windows XP SP3 Professional x86-64
- Windows XP SP3 Professional x86-32
- Windows Server 2003 R2 SP2 Standard Edition x86-64
- Windows Server 2003 R2 SP2 Standard Edition x86-32
- Windows Server 2003 R2 SP2 Enterprise Edition x86-64

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**

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Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express®. Product upgrades and technical support are provided by the Software Subscription and Support (also referred to as Software Maintenance) offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software, and technical support provides voice and electronic access to IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with each program license acquired. The initial period of

Software Subscription and Support (also referred to as Software Maintenance) can be extended by the purchase of a renewal option, if available.

### **Packaging**

#### **IBM Rational Synergy**

#### **IBM Rational Change**

### **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.

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## **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 Change	Software Change and Configuration Management	Software Change and Configuration Management
IBM Rational Change	Software Change and Configuration Management	Software Change and Configuration Management
IBM Rational Change Central Server	Software Change and Configuration Management	Software Change and Configuration Management
IBM Rational Change Central Server	Software Change and Configuration Management	Software Change and Configuration Management
IBM Rational Change for HP Quality Center Interface	Software Change and Configuration Management	Software Change and Configuration Management
IBM Rational Synergy	Software Change and Configuration Management	Software Change and Configuration Management
IBM Rational Synergy and Change Suite	Software Change and Configuration Management	Software Change and Configuration Management
Program name	PID number	Charge unit description
IBM Rational Change	5724-X80	Per Concurrent User
IBM Rational Change	5724-X80	Per Authorized User for System z
IBM Rational Change	5724-X80	Per Concurrent User for System z
IBM Rational Change	5724-X80	Per Floating User for System z
IBM Rational Change	5724-X80	Per Floating User
IBM Rational Change	5724-X80	Per Authorized User
IBM Rational Change	5724-X80	Per Authorized User
IBM Rational Change	5724-X80	Per Authorized User for System z
IBM Rational Change Central Server	5724-X80	Per Install
IBM Rational Change Central Server	5724-X80	Per Floating User
IBM Rational Change Central Server	5724-X80	Per Install for System z
IBM Rational Change for HP Quality	5724-X80	Per Install

Center Interface			
IBM Rational Synergy	5724-X73	Per Authorized User for System z	
IBM Rational Synergy	5724-X73	Per Authorized User	
IBM Rational Synergy	5724-X73	Per Concurrent User	
IBM Rational Synergy	5724-X73	Per Concurrent User for System z	
IBM Rational Synergy and Change Suite	5724-Y98	Per Authorized User	
IBM Rational Synergy and Change Suite	5724-Y98	Per Concurrent User	
IBM Rational Synergy and Change Suite	5724-Y98	Per Concurrent User for System z	

## Charge metrics definitions

### Authorized User

Authorized User is the unit of measure by which this program is licensed. An Authorized User is an individual (named or unnamed) within or outside of your enterprise. The program may be installed on one or more computers or servers and accessed by the number of users authorized by the Proof of Entitlement (PoE). You must have an entitlement for each Authorized User accessing the program or any program component in any manner directly or indirectly (for example, via a multiplexing program, device, or application server) through any means.

### Floating User

Floating User is a unit of measure by which the program can be licensed. A Floating User is a person who is accessing the program at any particular point in time. 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 Floating User simultaneously accesses more than one Install of the program, the Floating User requires a separate entitlement for each such Install. Licensee must obtain separate entitlements for each Floating User simultaneously 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.

**Note:** Some programs may be licensed where devices are considered users. In that case the following applies: Any computing device that requests the execution of or receives for execution a set of commands, procedures, or applications from the program or that is otherwise managed by the program is considered a separate User of the program and requires an entitlement as if that device were a person.

### Concurrent User

Concurrent User is the unit of measure by which this program is licensed. A Concurrent User is a shared user access to the program within or outside of your enterprise. The program may be installed only on one computer or one server. The total number of Concurrent Users simultaneously accessing the program at any moment in time may not exceed the highest number of Concurrent Users authorized by the Proof of Entitlement (PoE). You must have an entitlement for each Concurrent User simultaneously accessing the program or any program component in any manner directly or indirectly (for example, via a multiplexing program, device, or application server) through any means.

### Install

Install is a unit of measure by which the program can be licensed. An install is an installed copy of the program on a physical or virtual disk made available to be executed on a computer. Licensee must obtain an entitlement for each install of the program.

## Passport Advantage program licenses

### IBM Rational Synergy and Change Suite

Part description	Part number
IBM Rational Synergy and Change Suite	
Ratl Syn & Change Suite Conc Usr SW S&S Reinstate 12 Mo	D0JCPLL
Synergy & Change Suite Per Authorized User Annual SW S&S Rnw1	E07RTL
Synergy & Change Suite Per Authorized User Initl FT Lic+S&S 12 Mo	D0B1XLL
Synergy & Change Suite Per Authorized User Lic + SW S&S 12 Mo	D0B16LL
Synergy & Change Suite Per Authorized User SW S&S Reinstate 12 Mo	D0B17LL
Synergy & Change Suite Per Authorized User Subsq FT Lic+S&S 12 Mo	E07S2LL
Synergy & Change Suite Per Concurrent User Annual SW S&S Rnw1	E0C1TLL
Synergy & Change Suite Per Concurrent User Initl FT Lic+S&S 12 Mo	D0JD6LL
Synergy & Change Suite Per Concurrent User Lic + SW S&S 12 Mo	D0J9ILL
Synergy & Change Suite Per Concurrent User Subsq FT Lic+S&S 12 Mo	E0C21LL

### IBM Rational Change

IBM Rational Change	
Rational Change Per Authorized User Annual SW S&S Rnw1	E074JLL
Rational Change Per Authorized User Initl FT Lic+S&S 12 Mo	D09BYLL
Rational Change Per Authorized User Lic + SW S&S 12 Mo	D09KALL
Rational Change Per Authorized User SW S&S Reinstate 12 Mo	D09DLLL
Rational Change Per Authorized User Subsq FT Lic+S&S 12 Mo	E072WLL
Rational Change Per Floating User Annual SW S&S Rnw1	E076RLL
Rational Change Per Floating User Initl FT Lic+S&S 12 Mo	D09C1LL
Rational Change Per Floating User Lic + SW S&S 12 Mo	D09MHLL
Rational Change Per Floating User SW S&S Reinstate 12 Mo	D09FTLL
Rational Change Per Floating User Subsq FT Lic+S&S 12 Mo	E072ZLL
Ratl Change Auth User Annual SW S&S Rnw1	E074JLL
Ratl Change Auth User Initl FT Lic+S&S 12 Mo	D09BYLL
Ratl Change Auth User Lic + SW S&S 12 Mo	D09KALL
Ratl Change Auth User SW S&S Reinstate 12 Mo	D09DLLL
Ratl Change Auth User Subsq FT Lic+S&S 12 Mo	E072WLL
Ratl Change Floating User Annual SW S&S Rnw1	E076RLL
Ratl Change Floating User Initl FT Lic+S&S 12 Mo	D09C1LL
Ratl Change Floating User Lic + SW S&S 12 Mo	D09MHLL
Ratl Change Floating User SW S&S Reinstate 12 Mo	D09FTLL
Ratl Change Floating User Subsq FT Lic+S&S 12 Mo	E072ZLL

### IBM Rational Change

IBM Rational Change Central Server	
Ratl Change Change Central Floating User Annual SW S&S Rnw1	E073PLL
Ratl Change Change Central Floating User Initl FT Lic+S&S 12 Mo	D09BZLL
Ratl Change Change Central Floating User Lic + SW S&S 12 Mo	D09JFLL
Ratl Change Change Central Floating User SW S&S Reinstate 12 Mo	D09CRL
Ratl Change Change Central Floating User Subsq FT Lic+S&S 12 Mo	E072XLL

## IBM Rational Change

IBM Rational Change Central Server  
Ratl Change Central Server Install Annual SW S&S Rnw1 E0BYGLL  
Ratl Change Central Server Install Subsq FT Lic+S&S 12 E0C1WLL  
Mo  
Ratl Change Central Srv Per Install Lic + SW S&S 12 Mo D0J64LL  
Ratl Change Central Svr Per Install Initl FT Lic+S&S 12 D0JD1LL  
Mo  
Ratl Change Central Svr Per Install SW S&S Reinstate 12 D0J65LL  
Mo

## IBM Rational Change

IBM Rational Change for HP Quality Center Interface  
Ratl Change HP Quality Center Interface Install Annual E073VLL  
SW S&S Rnw1  
Ratl Change HP Quality Center Interface Install Initl D09BRLL  
FT Lic+S&S 12 Mo  
Ratl Change HP Quality Center Interface Install Lic + D09JLLL  
SW S&S 12 Mo  
Ratl Change HP Quality Center Interface Install SW S&S D09CXLL  
Reinstate 12 Mo  
Ratl Change HP Quality Center Interface Install Subsq E072PLL  
FT Lic+S&S 12 Mo

## IBM Rational Change

IBM Rational Change  
Rational Change Per Authorized User Annual SW S&S Rnw1 E074JLL  
Rational Change Per Authorized User Initl FT Lic+S&S 12 D09BYLL  
Mo  
Rational Change Per Authorized User Lic + SW S&S 12 Mo D09KALL  
Rational Change Per Authorized User SW S&S Reinstate 12 D09DLLL  
Mo  
Rational Change Per Authorized User Subsq FT Lic+S&S 12 E072WLL  
Mo  
Rational Change Per Concurrent User Annual SW S&S Rnw1 E0BY9LL  
Rational Change Per Concurrent User Initl FT Lic+S&S 12 D0JD2LL  
Mo  
Rational Change Per Concurrent User Lic + SW S&S 12 Mo D0J4TLL  
Rational Change Per Concurrent User SW S&S Reinstate 12 D0J4ULL  
Mo  
Rational Change Per Concurrent User Subsq FT Lic+S&S 12 E0C1XLL  
Mo

## IBM Rational Synergy

IBM Rational Synergy  
Rational Synergy Per Authorized User Annual SW S&S Rnw1 E078ILL  
Rational Synergy Per Authorized User Initl FT Lic+S&S D0979LL  
12 Mo  
Rational Synergy Per Authorized User Lic + SW S&S 12 Mo D09P9LL  
Rational Synergy Per Authorized User SW S&S Reinstate D09HKLL  
12 Mo  
Rational Synergy Per Authorized User Subsq FT Lic+S&S E06Y7LL  
12 Mo  
Rational Synergy Per Concurrent User Annual SW S&S Rnw1 E0C0ELL  
Rational Synergy Per Concurrent User Initl FT Lic+S&S D0JD4LL  
12 Mo  
Rational Synergy Per Concurrent User Lic + SW S&S 12 Mo D0J9CLL  
Rational Synergy Per Concurrent User SW S&S Reinstate D0J9DLL  
12 Mo  
Rational Synergy Per Concurrent User Subsq FT Lic+S&S E0C1ZLL  
12 Mo

## Passport Advantage trade-up licenses

### IBM Rational Synergy and Change Suite

Precursor product	Trade-up product	Trade-up part number
IBM Rational Synergy and Change Suite		
Rat1 Synergy Authorized User	Rat1 Syn & Change Suite AU fr Rat1 Synergy AU Trade Up Lic + SW S&S 12 Mo	D0B18LL
Rat1 Change Authorized User	Rat1 Syn & Change Suite AU from Rat1 Change AU Trade Up Lic + SW S&S 12 Mo	D0B19LL
Rat1 Syn & Chg Ste Auth Usr SysZ	Rat1 Syn & Chng Ste CCU SZ fro Syn & Chn ST AUZ Trade Up Lic + SW S&S 12 Mo	D0JCYLL
Rat1 Synergy Concurrent User	Rat1 Syn & Chng Ste Conc Usr fro Syn CU Trade Up Lic + SW S&S 12 Mo	D0JCQLL
Competitive	Rat1 Synergy & Change AU from Competitive Trade Up Lic + SW S&S 12 Mo	D0B1ALL
Rat1 Change Concurrent User	Syn & Chng Ste Conc Usr from Change Conc Usr Trade Up Lic + SW S&S 12 Mo	D0JCRLL
Rat1 Synergy & Change Suite Auth User	Syn & Chng Ste Concurrent User fro Syn & Chg AU Trade Up Lic + SW S&S 12 Mo	D0JCSLL
Competitive	Syn & Chng Suite Conc Usr fro Competitive Trade Up Lic + SW S&S 12 Mo	D0JCTLL

### IBM Rational Change

IBM Rational Change IBM Rational Change	Rat1 Change Concurrent User fro Rat1 Change AU Trade Up Lic + SW S&S 12 Mo	D0J62LL
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### IBM Rational Change

IBM Rational Change Rat1 Change Authorized User	Rational Change Per Floating User Trade Up Lic + SW S&S 12 Mo	D09QNLL
IBM Rational Change per Authorized User	Rat1 Change Floating User AU Trdup Lic + SW S&S 12 Mo	D09QNLL
Rat1 Change Authorized User for System Z	Rat1 Change Per Flt Usr SZ from Change AU SyZ Trade Up Lic + SW S&S 12 Mo	D0H88LL

### IBM Rational Synergy

IBM Rational Synergy Rat1 Synergy Authorize User System Z	Rat1 Syn Concurrent Usr SyZ fro Rat1 Syn AU SZ Trade Up Lic + SW S&S 12 Mo	D0J9HLL
Rat1 Synergy Authorize User	Rat1 Syn Per Concurrent User fro Rat1 Syn AU Trade Up Lic + SW S&S 12 Mo	D0J9ELL

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### Passport Advantage supply

Program name/description	Part number
IBM Rational Change V5.3.0	
Rational Change Other V5.3.0 Mass Market Product DVD Media Pack Multilingu	BT0ECML
Rational Change V5.3.0	
Rat1 Change V5.3.0 Multiplatform Multilingual DVD Media Pack	BT0ECML
Rat1 Synergy V7.2.0	
Rational Synergy V7.2.0 Multiplatform Multilingual DVD Media Pack	BT0EDML
Synergy & Change Suite V7.2.0	
Rat1 Synergy & Change Ste V7.2.0 DVD Multiplatform Multilingual Media Pack	BT0EEML

### Passport Advantage customer: Media pack entitlement details

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Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.

#### IBM Rational Synergy V7.2.0

Entitled maintenance offerings description	Media packs description	Part number
IBM Rational Synergy per Authorized User	Rational Synergy V7.2.0 Multiplatform Multilingual DVD Media Pack	BT0EDML
IBM Rational Synergy per Authorized User for Sys z	Rational Synergy V7.2.0 Multiplatform Multilingual DVD Media Pack	BT0EDML
IBM Rational Synergy per Concurrent User	Rational Synergy V7.2.0 Multiplatform Multilingual DVD Media Pack	BT0EDML
IBM Rational Synergy per Concurrent User for Sys z	Rational Synergy V7.2.0 Multiplatform Multilingual DVD Media Pack	BT0EDML

#### IBM Rational Synergy and Change Suite V7.2.0

IBM Rational Synergy & Change Suite per Authorized User	Rat1 Synergy & Change Ste V7.2.0 DVD Multiplatform Multilingual Media Pack	BT0EEML
IBM Rational Synergy & Change Suite per Concurrent User	Rat1 Synergy & Change Ste V7.2.0 DVD Multiplatform Multilingual Media Pack	BT0EEML
IBM Rational Synergy & Change Suite per Concurrent User for Sys z	Rat1 Synergy & Change Ste V7.2.0 DVD Multiplatform Multilingual Media Pack	BT0EEML

#### IBM Rational Change V5.3.0

IBM Rational Change per Authorized User	Rat1 Change V5.3.0 Multiplatform Multilingual DVD Media Pack	BT0ECML
IBM Rational Change per Authorized User for Sys z	Rat1 Change V5.3.0 Multiplatform Multilingual DVD Media Pack	BT0ECML
IBM Rational Change per Floating User	Rat1 Change V5.3.0 Multiplatform Multilingual DVD Media Pack	BT0ECML
IBM Rational Change per Floating User for Sys z	Rat1 Change V5.3.0 Multiplatform Multilingual DVD Media Pack	BT0ECML

## IBM Rational Change V5.3.0

IBM Rational Change Central Server per Install	Rational Change Other V5.3.0 Mass Market Product DVD Media Pack Multilingu	BTOECML
IBM Rational Change Central Server per Install for System z	Rational Change Other V5.3.0 Mass Market Product DVD Media Pack Multilingu	BTOECML
IBM Rational Change for HP Quality Center Interface per Install	Rational Change Other V5.3.0 Mass Market Product DVD Media Pack Multilingu	BTOECML
IBM Rational Change per Authorized User	Rational Change Other V5.3.0 Mass Market Product DVD Media Pack Multilingu	BTOECML
IBM Rational Change per Authorized User for Sys z	Rational Change Other V5.3.0 Mass Market Product DVD Media Pack Multilingu	BTOECML
IBM Rational Change per Concurrent User	Rational Change Other V5.3.0 Mass Market Product DVD Media Pack Multilingu	BTOECML
IBM Rational Change per Concurrent User for Sys z	Rational Change Other V5.3.0 Mass Market Product DVD Media Pack Multilingu	BTOECML

## Cross-platform products

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### ***Cross-platform products for use on System z***

Order the part numbers that follow when the product is used for either the development of code that will be deployed on System z® servers or when the product will be communicating or transferring data between a distributed server and a System z server. Otherwise order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement

### **IBM Rational Synergy and Change Suite**

Part description	Part number
IBM Rational Synergy and Change Suite Synergy & Change Suite Per Conc User for System z Annual SW S&S Rnw1	E0C1ULL
Synergy & Change Suite Per Conc User for System z Initl FT Lic+S&S 12 Mo	D0JD7LL
Synergy & Change Suite Per Conc User for System z Lic + SW S&S 12 Mo	D0JCULL
Synergy & Change Suite Per Conc User for System z SW S&S Reinstate 12 Mo	D0JCVLL
Synergy & Change Suite Per Conc User for System z Subsq FT Lic+S&S 12 Mo	E0C22LL

### **IBM Rational Change**

IBM Rational Change Central Server Rational Change Per Install for System z Annual SW S&S Rnw1	E0BYHLL
Rational Change Per Install for System z Initl FT Lic+S&S 12 Mo	D0JD0LL
Rational Change Per Install for System z Lic + SW S&S 12 Mo	D0J66LL
Rational Change Per Install for System z SW S&S Reinstate 12 Mo	D0J67LL
Rational Change Per Install for System z Subsq FT Lic+S&S 12 Mo	E0C1VLL



## IBM Rational Change

IBM Rational Change		
Rational Change Per Auth.User for System z Annual SW S&S Rnw1		EOAZNLL
Rational Change Per Auth.User for System z Initl FT Lic+S&S 12 Mo		DOH8RLL
Rational Change Per Auth.User for System z Lic + SW S&S 12 Mo		DOH89LL
Rational Change Per Auth.User for System z SW S&S Reinstate 12 Mo		DOH8ALL
Rational Change Per Auth.User for System z Subsq FT Lic+S&S 12 Mo		EOAZWLL
Rational Change Per Conc User for System z Initl FT Lic+S&S 12 Mo		DOJD3LL
Rational Change Per Conc User for System z Lic + SW S&S 12 Mo		DOJ4VLL
Rational Change Per Conc User for System z SW S&S Reinstate 12 Mo		DOJ4WLL
Rational Change Per Conc User for System z Subsq FT Lic+S&S 12 Mo		E0C1YLL
Rat1 Change Per Conc User for System z Annual SW S&S Rnw1		E0BYALL

## IBM Rational Synergy

IBM Rational Synergy		
Rational Synergy Per Auth.User for System z Annual SW S&S Rnw1		E0AZELL
Rational Synergy Per Auth.User for System z Initl FT Lic+S&S 12 Mo		DOH7KLL
Rational Synergy Per Auth.User for System z Lic + SW S&S 12 Mo		DOH7ILL
Rational Synergy Per Auth.User for System z SW S&S Reinstate 12 Mo		DOH7JLL
Rational Synergy Per Auth.User for System z Subsq FT Lic+S&S 12 Mo		E0AZFLL
Rational Synergy Per Conc User for System z Annual SW S&S Rnw1		E0C0FLL
Rational Synergy Per Conc User for System z Initl FT Lic+S&S 12 Mo		DOJD5LL
Rational Synergy Per Conc User for System z Lic + SW S&S 12 Mo		DOJ9FLL
Rational Synergy Per Conc User for System z SW S&S Reinstate 12 Mo		DOJ9GLL
Rational Synergy Per Conc User for System z Subsq FT Lic+S&S 12 Mo		E0C20LL

### ***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.

### **Trade-up licenses for cross-platform products**

#### **IBM Rational Synergy and Change Suite**

Precursor product	Trade-up product	Part number
IBM Rational Synergy and Change Suite		
Rat1 Change Concurrent User System z	Rat1 Syn & Chng Ste Conc Usr Syz fro Rat1 Chng Syz Trade Up Lic + SW S&S 12	DOJCXLL
Rat1 Syn & Chng Ste Concurrent Usr SyZ fro Ra Syn CU SyZ	Rat1 Syn & Chng Ste Conc Usr Sz from Syn CU SZ Trade Up Lic + SW S&S 12	DOJCWLL

Competitive System Z Synergy & Change Suite Per DOJCZLL  
Conc User for System z  
Trade Up Lic + SW S&S 12

## IBM Rational Change

IBM Rational Change  
IBM Rational Change  
Ratl Change Conc User for DOJ63LL  
Syz fro Change AU SZ Trade  
Up Lic + SW S&S 12 Mo

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Program name	Program number	Form number
IBM Rational Synergy and Change Suite	5724-Y98	L-DSYA-8FVJSN, L-DSYA-8FVJM7
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Rational Synergy	5724-X73	L-DSYA-8FVJSN

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**Prices**

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