



# IBM Rational Rhapsody V8.0 and Rational Rhapsody Design Manager V4.0 introduce new systems engineering design workflow and ISO 26262 safety standard support

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## At a glance

Rhapsody® and Rhapsody Design Manager offer:

- Simplified design collaboration with new systems engineering workflow using Jazz-based database repository
- Reference workflow with TuV certification
- Enhanced user experience and productivity with solution-focused guidance to assist new users
- Updates for UPDM 2.0, SysML 1.3, and AUTOSAR 4.0 and 3.2
- Improvements to usability and performance

## Overview

Rational® Rhapsody supports a broad range of technologies and can be applied to applications such as:

- Requirements analysis
- Model-based systems engineering
- Trade study analysis
- Embedded and real-time software development
- Safety-critical software development
- Model-based testing
- AUTomotive Open System ARchitecture (AUTOSAR) development
- Capturing DoDAF or MODAF architectural frameworks

Rational Rhapsody V8.0 offers the new Guide Me feature that can assist users to configure and use Rhapsody for a particular application. Guidance is provided in the form of tutorials, videos, and documentation that helps users perform the tasks required.

Systems engineers strive to improve their processes to develop, communicate, and specify overall systems design. They often make tradeoffs between different systems aspects while still ensuring consistency across domains and disciplines. Rational Rhapsody Design Manager assists cross-discipline teams in sharing, collaborating, and reviewing engineering information in an efficient, intuitive manner. Rhapsody

Design Manager takes a further step in integrating with the Jazz™ platform by enabling systems engineers to work with version, variant, configuration, and change management. They can work directly on a Rhapsody model stored in a Jazz-based repository. This enables finer-grain access and change control that gives systems engineers a more flexible workflow for parallel development tightly coupled with lifecycle artifacts for better response to changes.

A common location on a Jazz repository for storage of the Rational Rhapsody design artifacts with other lifecycle artifacts, such as requirements and work items, enables a tighter workflow with the broader systems and software engineering lifecycle. Because they are stored in a common location, requirements can be traced and referenced with the design information without duplications since they are stored in a shared, server-side, repository.

A single source of truth is enabled between requirements from requirements management databases, Rational DOORS®, Rational Requirements Composer, and the Rhapsody model. Using Open Services for Lifecycle Collaboration (OSLC) links, you can establish and analyze traceability between the requirements and the design to help ensure delivery of high-quality designs that meet project objectives.

The new Rational Rhapsody Contributor role offers access to change management, report customization, and planning, design management, software configuration management, automation (build system), requirements management, and test management.

Safety-critical complex systems such as avionics, automobiles, trains, and medical devices are becoming more and more software intensive. Companies developing these systems need to work within the guidelines of industry standards to market their products and certify their applications to comply with the standard. Rational Rhapsody V8.0 includes a Rational Rhapsody Kit for ISO 26262 and IEC 61508 that provides a documented reference workflow, test cases and other artifacts including a TuV SuD certificate for ISO 26262 and IEC 61508 for using Rational Rhapsody TestConductor Add On to assist you in trying to meet the automotive or general functional safety standards. The contents can also be used for other industries such as DO-178B or DO-178C for avionics, IEC 62304 for medical devices, or other safety standards.

Rhapsody is a highly flexible and customizable solution that can be tailored to help automate delivery of designs compliant with many industry standards. Rational Rhapsody includes updates for SysML 1.3, OMG Unified Profile for DoDAF and MODAF (UPDM) 2.0, and AUTOSAR 3.2 and 4.0 for systems engineering and automotive engineers to develop solutions using the latest standards.

Rational Rhapsody and Rational Rhapsody Design Manager add a number of improvements to usability and performance, including:

- Spell checking
- Statistical model query for model metrics
- Code generation using multiple processor cores
- Improved design review workflow with change management
- Cross-project searching
- Sketching using a web client

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## Key prerequisites

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

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## Planned availability date

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September 21, 2012: Electronic availability

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## Description

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### **Enhanced user experience and productivity with solution-focused guidance**

You can use Rational Rhapsody in a broad spectrum of systems engineering and software development applications for many different industries and domains.

The new Guide Me capability helps new users get started by offering guidance in performing a series of tasks based around a solution. The guidance steps users through configuring and applying the product with text, tutorials, and videos to help reduce the learning curve and make new users productive, faster.

### **Collaborative systems engineering through Rational Rhapsody Design Manager**

Through its design management capability, Rational Rhapsody makes it easy for teams to manage their designs, collaborate with peers and stakeholders, and integrate systems engineering and software design into their engineering development lifecycle. Rational Rhapsody Design Manager V4.0 can help improve systems and embedded and real-time software engineering lifecycle integration, analysis, web-based sketching, extensibility, reporting, and documentation generation.

### **Design configuration and change management**

The Design Management server enables designs to be directly modified on the server and includes model-based configuration management to manage changes to the designs. You can directly edit Rational Rhapsody models on the server from within the Rhapsody desktop client, delivering a simplified configuration management solution for systems engineers.

Benefits include:

- Improve quality by collaborating on designs with peers and other stakeholders using a web client.
- Work in parallel directly on a design stored on a server with built-in configuration management support that includes simplified change control.
- Establish traceability between designs, requirements, change requests, test cases, and test plans, making it easy for stakeholders to quickly find related designs and perform coverage and impact analysis.
- Quickly search designs to learn from previous designs and find reusable design components.
- Reduce the time required to meet regulatory and contractual requirements by automating the generation of design documents based on templates.
- Support serial and parallel configuration management.
- Include change control operations, such as locking and unlocking, that are aware of the design structure as opposed to file-based operations.
- Support change sets that enable multiple design changes to be grouped together and managed as a logical unit.
- Enable viewing change history for a design resource.
- Support graphical compare and merge.
- Make file-based mode available for users working with configuration management systems.

### **Simplified requirements engineering workflow**

Using a new workflow with Rational DOORS and Rational Requirements Composer based on OSLC integration, system engineers can analyze and trace to requirements

using a simplified workflow that avoids duplication with a shared, server side repository. The new workflow is enabled through management of the design on Jazz using Rational Design Manager.

Rhapsody Design Manager adds bidirectional traceability between requirements and designs with Open Services for Lifecycle Collaboration (OSLC) linking. Links can be created from a requirement to design resource or from a design resource to a requirement and be visible on both sides.

- Simplified user experience: Bidirectional OSLC linking enables traceability scenarios for requirements engineers and engineers who perform modeling with Rational DOORS V9.4 and Rational Requirements Composer V4.0.
- Single source of truth: Linked lifecycle data is always up to date; no data refreshing is needed.

The OSLC links are visible in the new Rhapsody Design Manager Impact Analysis views to assist teams in performing coverage and impact analysis.

### **Systems and software engineering lifecycle integration**

This release further integrates Rational Rhapsody through Rational Rhapsody Design Manager into the Jazz platform, making it easier to manage and administer the combined solution.

- Rational Rhapsody Contributor V4.0 gives you full read and write access to change management, report customization, and planning. The Contributor license also includes read access to design management, software configuration management, automation (build system), requirements management, and test management unless otherwise restricted by role-based process permissions.
- Sharing a Jazz team server reduces administration time and costs with common user administration and management across Rational Rhapsody Design Manager, Rational Team Concert™, Rational Requirements Composer, and Rational Quality Manager servers.
- Cross-role licensing enables users with a Jazz license (developer, analyst, quality professional, and contributor) to collaborate on designs with viewing, searching, commenting, markup, and document generation capabilities. The Design Manager role-based license adds the capabilities of contributor in addition to full read and write access to the Design Management server.
- Inclusion of design project areas in lifecycle projects making it easier for teams to get up and running.
- The ability to change the public URL of a server (server rename) facilitates server infrastructure changes.

### **Impact analysis**

Rational Rhapsody Design Manager adds new analysis capabilities to help teams understand the impacts of a design change and find existing design components. Teams can:

- View impact analysis diagram created from a selected model element that shows all the related design elements and linked OSLC resources.
- Interact with the generated analysis to add or remove elements.
- Create and store queries to search across multiple project areas.

### **Web-based sketching**

Sketching gives you a quick way to capture and collaborate on design ideas. You can now create sketching diagrams as part of a design management project area and edit the sketch from a stand-alone web client or within Rational Rhapsody using the embedded web client. These sketches benefit from all the other design management capabilities such as configuration management, OSLC linking, and document generation.

## Reporting and document generation

Rational Rhapsody Design Manager offers a range of options for creating and managing design documents, including:

- Keeping living design documents that can be added to a design management project area and edited through the Web client using rich text. Design documents can contain embedded links to other design resources that are rendered visually as part of the document.
- Generating documents on the design management server using the new Rational Reporting for Document Generation support. You can generate documents from out-of-the-box templates shipped with Design Manager or from custom templates authored using Rational Publishing Engine Document Studio (purchased separately).
- Generating documents with Rational Publishing engine and accessing designs, comments, and OSLC-linked data from the Design Management server.

## Extensibility of design management

A new domain toolkit enables you to create custom design domains in Rational Rhapsody Design Manager server.

- Define new domains through an ontology editor.
- Perform model validation by specifying live and batch model constraints and data validation rules using the SPARQL Protocol and RDF Query Language.
- Create and edit model instances using forms generated from the domain ontology.

## Support for safety standard development, ISO 26262, IEC 61508, DO-178B, and DO-178C

Companies developing products whose failure may result in injury or loss of life such as aircraft, automobiles, or medical devices need to follow strict development processes such as ISO 26262 for automobiles, DO-178B or DO-178C for commercial avionics or IEC 61508 the general functional safety standard. It is each company's responsibility to produce evidence that good manufacturing processes are being followed, such as traceability from requirements to implementation, that sufficient testing is performed, and additionally that the tools used do not introduce an error into the product. These additional steps help ensure safety but also add additional time and cost into the development lifecycle. Industry analyst reports have shown the significant benefits of a model-driven development approach and the provisions for modeling added to the release of DO-178C further emphasize modeling's importance in development.

Developers can use Rational Rhapsody to understand and navigate industry safety standards. It includes artifacts that companies can use to help with certification and qualification efforts.

## Kit for ISO 26262 and IEC 61508

The Rational Rhapsody Kit for ISO 26262 and IEC 61508 is included as part of the standard Rational Rhapsody documentation set. It includes sample workflows for using Rational Rhapsody and back-to-back testing with Rational Rhapsody TestConductor Add On. A TuV SuD certificate is included indicating that Rational Rhapsody TestConductor Add On can be applied in safety-related development for all SIL levels according to IEC 61508 and all ASIL levels according to ISO 26262. Optionally available is Rational Rhapsody TestConductor Add On Validation Suite, which includes test cases to help users qualify Rational Rhapsody TestConductor Add On within their development environment.

## Requirements and tests for execution frameworks

Rational Rhapsody Developer for C and Rational Rhapsody Developer for C++ offer execution frameworks that enable common execution functions and services such as scheduling, messaging, and event processing. These enable

developers to focus on their domain applications. Rational Rhapsody includes documentation and requirements for the source code in the Simplified Micro-C eXecution Framework (SMXF) for C and the Simplified eXecution Framework (SXF) for C++. The documentation and requirements can help you use the framework in applications that require certification. Validation test suites for the SMXF and SXF using Rational Rhapsody TestConductor Add On include statement coverage to help validate the framework within your development environment.

### **Usability and performance**

Many incremental improvements to the navigation, performance, and operation help make Rational Rhapsody easier to use and help improve performance. The following sections describe some of these improvements.

### **Statistical queries for metrics**

" To mitigate project risk, it is important to understand the architecture and design of your project based on its progress, quality, or complexity. You can view model metrics such as counts of model elements based on queries and context to gain understanding of status of your current project and its progress.

### **Spell checking**

Models consist not only of graphical diagrams but also text to further explain the design. Spell checking is now available to help avoid spelling mistakes.

### **Code generation using multiple cores**

You can now use multiple cores of the computer when generating applications consisting of multiple components to help performance of code generation.

### **Update to SysML 1.3**

Rational Rhapsody includes updates for systems engineers to make it easier to analyze, validate, and specify systems using the latest standards. It updates support to SysML 1.3 including the ability to model full ports, proxy ports, interface blocks, directed features, nested ports, connector decomposition, and property value change events to allow for more modeling options.

### **Improved Simulink integration**

Rational Rhapsody improves its integration with Simulink by enabling you to create a Simulink model from a block in the Rational Rhapsody model. This can help Simulink developers get started with their model based on the current architecture specified in the Rational Rhapsody design. Additionally, usability improvements in the integration are added to allow for multiple simulations without re-exporting, defining signals, and other performance improvements.

### **Partial model simulation**

During analysis and design, especially in early phases of development, only parts of the design are complete. Simulating early and often can identify errors when they are least costly to fix. With Rational Rhapsody only a simple mouse click is needed to configure a simulation for activity diagrams, state charts, or classes with internal parts to make it easier to validate them when other parts of the design may not be ready.

### **Rapid automotive development and integration support with AUTOSAR 3.2 and 4.0**

Automotive engineers who are developing solutions for AUTOSAR can now use versions 3.2 and 4.0 with Rational Rhapsody for behavioral modeling and code generation to specify their system. Additionally, support for testing of the AUTOSAR software components is included with Rational Rhapsody TestConductor Add On, enabling automation of manual testing tasks, visualization of test cases using the

UML Testing Profile, and execution of test cases with validation results to help deliver higher-quality AUTOSAR designs in less time.

### Updated DoDAF 2.0 and MODAF 1.2 architecture support with UPDM 2

The US Department of Defense (DoD) has mandated the use of UPDM 2 all DoDAF projects using UML/SysML tools. Rational Rhapsody updates its support to UPDM 2 to enable capture of DoDAF 2.0.2, MODAF 1.2.004, and NAF 3.1 using UPDM. Export of the architectural data via XMI is also supported, enabling interchange with other modeling tools. Support for the legacy DoDAF 1.x and MODAF 1.x profiles is no longer provided.

Multicultural support and translation information for IBM® software can be found online at

<http://www.ibm.com/software/globalization/scorecard/index.html>

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## Availability of national languages

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Product description	Language	General availability date
Rat1 Rhapsody Arch for SW V8.0.0	Multilingual (Korean, Chinese - Simplified, Japanese, Chinese - Traditional, English)	September 28, 2012
Rat1 Rhapsody Design Manager V4.0.0	Multilingual (Korean, Chinese - Simplified, Japanese, Chinese - Traditional, English)	September 28, 2012

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## Program number

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Program number	VRM	Program name
5724-x70	8.0.0	IBM Rational Rhapsody
5725-D80	4.0.0	IBM Rational Rhapsody Design Manager

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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

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.

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## Technical information

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### Specified operating environment

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#### **Hardware requirements**

- Disk space: 1.6 GB (one language); 2.3 GB full installation; Installation temporary disk space: 1 GB
- Memory: RAM: 512 MB (minimum); 1024 MB RAM (recommended)
- Processor: CPU: Pentium™ 4, 3.00 GHz (minimum)

#### **Software requirements**

##### Linux™

- Red Hat Enterprise Linux (RHEL) 5 Desktop editions x86-64
- RHEL 5 Advanced Platform x86-64
- RHEL Desktop 6 x86-32
- RHEL 5 Desktop editions x86-32
- RHEL Desktop 6 x86-64
- RHEL 5 Advanced Platform x86-32
- RHEL Server 6 x86-32
- RHEL Server 6 x86-64
- SUSE Linux Enterprise Desktop (SLED) 11.0 x86-32
- SLED 10.0 x86-64
- SLED 11.0 x86-64
- SLED 10.0 x86-32
- SUSE Linux Enterprise Server (SLES) 10 x86-32
- SLES 10 x86-64
- SLES 11 x86-32
- SLES 11 x86-64

##### Microsoft™ Windows™

- Windows Vista Home Basic x86-32
- Windows Vista Enterprise x86-32
- Windows Vista Home Premium x86-32
- Windows 7 Starter x86-32
- Windows XP Home x86-32
- Windows 7 Ultimate x86-32
- Windows Server 2008 Enterprise Edition x86-32
- Windows Vista Business x86-32
- Windows XP Professional x86-32
- Windows 7 Professional x86-32
- Windows XP Professional with FDCC x86-32



- Windows 7 Enterprise x86-64
- Windows 7 Enterprise x86-32
- Windows 7 Home Premium x86-32
- Windows Vista Ultimate x86-32
- Windows Server 2008 R2 Datacenter Edition x86-64
- Windows Server 2008 R2 Enterprise Edition x86-64
- Windows Server 2008 Standard Edition x86-64
- Windows Server 2008 Enterprise Edition x86-64
- Windows Server 2008 Datacenter Edition x86-64
- Windows Server 2008 Standard Edition x86-32
- Windows Server 2008 Datacenter Edition x86-32
- Windows 7 Professional x86-64
- Windows Server 2008 R2 Standard Edition x86-64
- Windows 7 Home Premium x86-64
- Windows 7 Ultimate 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.

### **Security, auditability, and control**

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

### **Global Technology Services**

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Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings for the efficient installation, implementation, or integration of this product.

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## **Ordering information**

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For ordering information, consult your IBM representative or authorized IBM Business Partner, or visit

<http://www-306.ibm.com/software/support/pa.html>

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 Modeler Rhapsody Corporate Edition	Design and Construction	Design and Construction
IBM Rational Rhapsody Architect for Software	Design and Construction	Design and Construction
IBM Rational Rhapsody Architect for Systems Engineers	Design and Construction	Design and Construction
IBM Rational Rhapsody Automatic Test Generation Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody Contributor	Design and Construction	Design and Construction
IBM Rational Rhapsody Design Manager	Design and Construction	Design and Construction
IBM Rational Rhapsody Design Reviewer	Design and Construction	Design and Construction
IBM Rational Rhapsody Designer for Systems Engineers	Design and Construction	Design and Construction
IBM Rational Rhapsody Developer	Design and Construction	Design and Construction
IBM Rational Rhapsody Developer Rules Composer Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody Developer Rules Player Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody Developer for Ada	Design and Construction	Design and Construction
IBM Rational Rhapsody Developer for C++, C, and Java™	Design and Construction	Design and Construction
IBM Rational Rhapsody Gateway Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody Interfaces Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody TestConductor Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody Tools and Utilities Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody for DoDAF, MODAF, and UPDM Add On	Design and Construction	Design and Construction
Program name	PID number	Charge unit description
IBM Rational Modeler Rhapsody Corporate Edition	5724-X70	FTL per Authorized User
IBM Rational Rhapsody Architect for Software	5724-X70	Per Floating User
IBM Rational Rhapsody Architect for Software	5724-X70	Per Authorized User
IBM Rational Rhapsody Architect for Systems Engineers	5724-X70	Per Floating User
IBM Rational Rhapsody Architect for Systems Engineers	5724-X70	Per Authorized User
IBM Rational Rhapsody Automatic Test Generation Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody Automatic Test Generation Add On	5724-X70	Per Floating User
IBM Rational Rhapsody Contributor	5725-D80	Per Authorized User Single Install
IBM Rational Rhapsody Contributor	5725-D80	Per Floating User Single Install
IBM Rational Rhapsody Design Manager	5725-D80	Per Floating User Single Install
IBM Rational Rhapsody Design Manager	5725-D80	Per Authorized

IBM Rational Rhapsody Design Reviewer	5725-D80	User Single Install Per Authorized User Single Install
IBM Rational Rhapsody Design Reviewer	5725-D80	Per Floating User Single Install
IBM Rational Rhapsody Designer for Systems Engineers	5724-X70	Per Floating User
IBM Rational Rhapsody Designer for Systems Engineers	5724-X70	Per Authorized User
IBM Rational Rhapsody Developer	5724-X70	Per Floating User
IBM Rational Rhapsody Developer	5724-X70	Per Authorized User
IBM Rational Rhapsody Developer Rules Composer Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody Developer Rules Composer Add On	5724-X70	Per Floating User
IBM Rational Rhapsody Developer Rules Player Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody Developer Rules Player Add On	5724-X70	Per Floating User
IBM Rational Rhapsody Developer for Ada	5724-X70	Per Floating User
IBM Rational Rhapsody Developer for Ada	5724-X70	Per Authorized User
IBM Rational Rhapsody Developer for C++, C, and Java	5724-X70	Per Authorized User
IBM Rational Rhapsody Developer for C++, C, and Java	5724-X70	Per Floating User
IBM Rational Rhapsody Gateway Add On	5724-X70	Per Floating User
IBM Rational Rhapsody Gateway Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody Interfaces Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody Interfaces Add On	5724-X70	Per Floating User
IBM Rational Rhapsody TestConductor Add On	5724-X70	Per Floating User
IBM Rational Rhapsody TestConductor Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody Tools and Utilities Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody Tools and Utilities Add On	5724-X70	Per Floating User
IBM Rational Rhapsody for DoDAF, MODAF, and UPDM Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody for DoDAF, MODAF, and UPDM Add On	5724-X70	Per Floating User

## Charge metrics definitions

### Authorized User

Authorized User 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. The program may be installed on any number of computers or servers and each Authorized User may have simultaneous access to any number of instances of the program at one time. Licensee must obtain separate, dedicated entitlements for each Authorized User accessing the program 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.

**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.

### Floating User Single Install

Floating User Single Install 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.

### Passport Advantage program licenses

#### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Architect for Software	
Rat1 Rhapsody Architect for Software Auth User Annual SW S&S Rnw1	E0773LL
Rat1 Rhapsody Architect for Software Auth User Init1 FT Lic+S&S 12 Mo	D09B4LL
Rat1 Rhapsody Architect for Software Auth User Lic + SW S&S 12 Mo	D09MULL
Rat1 Rhapsody Architect for Software Auth User SW S&S Reinststate 12 Mo	D09G5LL
Rat1 Rhapsody Architect for Software Auth User SubSq FT Lic+S&S 12 Mo	E0722LL
Rat1 Rhapsody Architect for Software Floating User Annual SW S&S Rnw1	E076WLL
Rat1 Rhapsody Architect for Software Floating User Init1 FT Lic+S&S 12 Mo	D09B6LL
Rat1 Rhapsody Architect for Software Floating User Lic + SW S&S 12 Mo	D09MMLL
Rat1 Rhapsody Architect for Software Floating User SW S&S Reinststate 12 Mo	D09FYLL
Rat1 Rhapsody Architect for Software Floating User SubSq FT Lic+S&S 12 Mo	E0724LL

#### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Automatic Test Generation Add On	
Rat1 Rhapsody Auto Test Gen A0 Auth User Annual SW S&S Rnw1	E0789LL
Rat1 Rhapsody Auto Test Gen A0 Auth User Init1 FT Lic+S&S 12 Mo	D09ARLL
Rat1 Rhapsody Auto Test Gen A0 Auth User Lic + SW S&S 12 Mo	D09P0LL
Rat1 Rhapsody Auto Test Gen A0 Auth User SW S&S Reinststate 12 Mo	D09HBL
Rat1 Rhapsody Auto Test Gen A0 Auth User SubSq FT Lic+S&S 12 Mo	E071PLL
Rat1 Rhapsody Auto Test Gen A0 Floating User Annual SW S&S Rnw1	E0780LL
Rat1 Rhapsody Auto Test Gen A0 Floating User Init1 FT	D09AQLL

Lic+S&S 12 Mo	
Rat1 Rhapsody Auto Test Gen AO Floating User Lic + SW S&S 12 Mo	D09NRL
Rat1 Rhapsody Auto Test Gen AO Floating User SW S&S Reinststate 12 Mo	D09H2LL
Rat1 Rhapsody Auto Test Gen AO Floating User SubSq FT Lic+S&S 12 Mo	E071NLL

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Developer Rules Composer Add On Rat1 Rhapsody Dev Rule Cmp AO Auth User Annual SW S&S Rnw1	E078ALL
Rat1 Rhapsody Dev Rule Cmp AO Auth User Init1 FT Lic+S&S 12 Mo	D09B2LL
Rat1 Rhapsody Dev Rule Cmp AO Auth User Lic + SW S&S 12 Mo	D09P1LL
Rat1 Rhapsody Dev Rule Cmp AO Auth User SW S&S Reinststate 12 Mo	D09HCLL
Rat1 Rhapsody Dev Rule Cmp AO Auth User SubSq FT Lic+S&S 12 Mo	E0720LL
Rat1 Rhapsody Dev Rule Cmp AO Floating User Annual SW S&S Rnw1	E077SLL
Rat1 Rhapsody Dev Rule Cmp AO Floating User Init1 FT Lic+S&S 12 Mo	D09B0LL
Rat1 Rhapsody Dev Rule Cmp AO Floating User Lic + SW S&S 12 Mo	D09NILL
Rat1 Rhapsody Dev Rule Cmp AO Floating User SW S&S Reinststate 12 Mo	D09GULL
Rat1 Rhapsody Dev Rule Cmp AO Floating User SubSq FT Lic+S&S 12 Mo	E071YLL

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody for DoDAF, MODAF, and UPDM Add On Rat1 Rhapsody D, M, U AO Auth User Annual SW S&S Rnw1	E077QLL
Rat1 Rhapsody D, M, U AO Auth User Init1 FT Lic+S&S 12 Mo	D09AVLL
Rat1 Rhapsody D, M, U AO Auth User Lic + SW S&S 12 Mo	D09NGLL
Rat1 Rhapsody D, M, U AO Auth User SW S&S Reinststate 12 Mo	D09GSL
Rat1 Rhapsody D, M, U AO Auth User SubSq FT Lic+S&S 12 Mo	E071TLL
Rat1 Rhapsody D, M, U AO Floating User Annual SW S&S Rnw1	E0782LL
Rat1 Rhapsody D, M, U AO Floating User Init1 FT Lic+S&S 12 Mo	D09ATLL
Rat1 Rhapsody D, M, U AO Floating User Lic + SW S&S 12 Mo	D09NTLL
Rat1 Rhapsody D, M, U AO Floating User SW S&S Reinststate 12 Mo	D09H4LL
Rat1 Rhapsody D, M, U AO Floating User SubSq FT Lic+S&S 12 Mo	E071RLL

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Gateway Add On Rat1 Rhapsody Getway Auth User Annual SW S&S Rnw1	E078GLL
Rat1 Rhapsody Getway Auth User Init1 FT Lic+S&S 12 Mo	D09AZLL
Rat1 Rhapsody Getway Auth User Lic + SW S&S 12 Mo	D09P7LL
Rat1 Rhapsody Getway Auth User SW S&S Reinststate 12 Mo	D09HILL
Rat1 Rhapsody Getway Auth User SubSq FT Lic+S&S 12 Mo	E071XLL
Rat1 Rhapsody Getway Floating User Annual SW S&S Rnw1	E077ULL
Rat1 Rhapsody Getway Floating User Init1 FT Lic+S&S 12 Mo	D09AXLL

Mo		
Rat1	Rhapsody Getway Floating User Lic + SW S&S 12 Mo	D09NKLL
Rat1	Rhapsody Getway Floating User SW S&S Reinstate 12 Mo	D09GULL
Mo		
Rat1	Rhapsody Getway Floating User SubSq FT Lic+S&S 12 Mo	E071VLL

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Developer Rules Player Add On	
Rat1 Rhapsody Plyr Rule Cmp AO Auth User Annual SW S&S Rnw1	E076VLL
Rat1 Rhapsody Plyr Rule Cmp AO Auth User Initl FT Lic+S&S 12 Mo	D09C3LL
Rat1 Rhapsody Plyr Rule Cmp AO Auth User Lic + SW S&S 12 Mo	D09MLLL
Rat1 Rhapsody Plyr Rule Cmp AO Auth User SW S&S Reinstate 12 Mo	D09FXLL
Rat1 Rhapsody Plyr Rule Cmp AO Auth User SubSq FT Lic+S&S 12 Mo	E0731LL
Rat1 Rhapsody Plyr Rule Cmp AO Floating User Annual SW S&S Rnw1	E077MLL
Rat1 Rhapsody Plyr Rule Cmp AO Floating User Initl FT Lic+S&S 12 Mo	D09BPLL
Rat1 Rhapsody Plyr Rule Cmp AO Floating User Lic + SW S&S 12 Mo	D09NDLL
Rat1 Rhapsody Plyr Rule Cmp AO Floating User SW S&S Reinstate 12 Mo	D09GPLL
Rat1 Rhapsody Plyr Rule Cmp AO Floating User SubSq FT Lic+S&S 12 Mo	E072MLL

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Developer for Ada	
Rat1 Rhapsody Dev Ada Auth User Annual SW S&S Rnw1	E078HLL
Rat1 Rhapsody Dev Ada Auth User Initl FT Lic+S&S 12 Mo	D09BULL
Rat1 Rhapsody Dev Ada Auth User Lic + SW S&S 12 Mo	D09P8LL
Rat1 Rhapsody Dev Ada Auth User SW S&S Reinstate 12 Mo	D09HJLL
Rat1 Rhapsody Dev Ada Auth User SubSq FT Lic+S&S 12 Mo	E072ULL
Rat1 Rhapsody Dev Ada Floating User Annual SW S&S Rnw1	E077GLL
Rat1 Rhapsody Dev Ada Floating User Initl FT Lic+S&S 12 Mo	D09BTLL
Rat1 Rhapsody Dev Ada Floating User Lic + SW S&S 12 Mo	D09N7LL
Rat1 Rhapsody Dev Ada Floating User SW S&S Reinstate 12 Mo	D09GILL
Rat1 Rhapsody Dev Ada Floating User SubSq FT Lic+S&S 12 Mo	E072RLL

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Developer for C++, C, and Java	
Rat1 Rhapsody Dev C++ Java Auth User Annual SW S&S Rnw1	E078LLL
Rat1 Rhapsody Dev C++ Java Auth User Initl FT Lic+S&S 12 Mo	D09BVLL
Rat1 Rhapsody Dev C++ Java Auth User Lic + SW S&S 12 Mo	D09PCLL
Rat1 Rhapsody Dev C++ Java Auth User SW S&S Reinstate 12 Mo	D09HNLL
Rat1 Rhapsody Dev C++ Java Auth User SubSq FT Lic+S&S 12 Mo	E072TLL
Rat1 Rhapsody Dev C++ Java Floating User Annual SW S&S Rnw1	E079DLL
Rat1 Rhapsody Dev C++ Java Floating User Initl FT Lic+S&S 12 Mo	D09C0LL
Rat1 Rhapsody Dev C++ Java Floating User Lic + SW S&S	D09Q4LL

12 Mo		
Rat1 Rhapsody Dev C++ Java Floating User SW S&S		D09IFLL
Reinstate 12 Mo		
Rat1 Rhapsody Dev C++ Java Floating User SubSq FT		E072YLL
Lic+S&S 12 Mo		

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Interfaces Add On	
Rat1 Rhapsody Interface Auth User Annual SW S&S Rnw1	E073ZLL
Rat1 Rhapsody Interface Auth User Init1 FT Lic+S&S 12 Mo	D09ALLL
Rat1 Rhapsody Interface Auth User Lic + SW S&S 12 Mo	D09JQLL
Rat1 Rhapsody Interface Auth User SW S&S Reinstate 12 Mo	D09D1LL
Rat1 Rhapsody Interface Auth User SubSq FT Lic+S&S 12 Mo	E071JLL
Rat1 Rhapsody Interface Floating User Annual SW S&S Rnw1	E078ULL
Rat1 Rhapsody Interface Floating User Init1 FT Lic+S&S 12 Mo	D09ANLL
Rat1 Rhapsody Interface Floating User Lic + SW S&S 12 Mo	D09PKLL
Rat1 Rhapsody Interface Floating User SW S&S Reinstate 12 Mo	D09HWLL
Rat1 Rhapsody Interface Floating User SubSq FT Lic+S&S 12 Mo	E071LLL

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Architect for Systems Engineers	
Rat1 Rhapsody Arch Sys Eng Auth User Annual SW S&S Rnw1	E0794LL
Rat1 Rhapsody Arch Sys Eng Auth User Init1 FT Lic+S&S 12 Mo	D0981LL
Rat1 Rhapsody Arch Sys Eng Auth User Lic + SW S&S 12 Mo	D09PVLL
Rat1 Rhapsody Arch Sys Eng Auth User SW S&S Reinstate 12 Mo	D09I6LL
Rat1 Rhapsody Arch Sys Eng Auth User SubSq FT Lic+S&S 12 Mo	E06YZLL
Rat1 Rhapsody Arch Sys Eng Floating User Annual SW S&S Rnw1	E078YLL
Rat1 Rhapsody Arch Sys Eng Floating User Init1 FT Lic+S&S 12 Mo	D098LLL
Rat1 Rhapsody Arch Sys Eng Floating User Lic + SW S&S 12 Mo	D09PPLL
Rat1 Rhapsody Arch Sys Eng Floating User SW S&S Reinstate 12 Mo	D09I0LL
Rat1 Rhapsody Arch Sys Eng Floating User SubSq FT Lic+S&S 12 Mo	E06ZJLL

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Designer for Systems Engineers	
Rat1 Rhapsody Designer Sys Eng Auth User Annual SW S&S Rnw1	E078SLL
Rat1 Rhapsody Designer Sys Eng Auth User Init1 FT Lic+S&S 12 Mo	D097ZLL
Rat1 Rhapsody Designer Sys Eng Auth User Lic + SW S&S 12 Mo	D09PILL
Rat1 Rhapsody Designer Sys Eng Auth User SW S&S Reinstate 12 Mo	D09HULL
Rat1 Rhapsody Designer Sys Eng Auth User SubSq FT Lic+S&S 12 Mo	E06YXLL
Rat1 Rhapsody Designer Sys Eng Floating User Annual SW	E078TLL

S&S Rnw1	
Rat1 Rhapsody Designer Sys Eng Floating User Init1 FT	D0980LL
Lic+S&S 12 Mo	
Rat1 Rhapsody Designer Sys Eng Floating User Lic + SW	D09PJLL
S&S 12 Mo	
Rat1 Rhapsody Designer Sys Eng Floating User SW S&S	D09HVLL
Reinstate 12 Mo	
Rat1 Rhapsody Designer Sys Eng Floating User SubSq FT	E06YYLL
Lic+S&S 12 Mo	

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody TestConductor Add On	
Rat1 Rhapsody TestConductor AO Auth User Annual SW S&S	E0797LL
Rnw1	
Rat1 Rhapsody TestConductor AO Auth User Init1 FT	D097XLL
Lic+S&S 12 Mo	
Rat1 Rhapsody TestConductor AO Auth User Lic + SW S&S	D09PYLL
12 Mo	
Rat1 Rhapsody TestConductor AO Auth User SW S&S	D09I9LL
Reinstate 12 Mo	
Rat1 Rhapsody TestConductor AO Auth User SubSq FT	E06YVLL
Lic+S&S 12 Mo	
Rat1 Rhapsody TestConductor AO Floating User Annual SW	E0798LL
S&S Rnw1	
Rat1 Rhapsody TestConductor AO Floating User Init1 FT	D097YLL
Lic+S&S 12 Mo	
Rat1 Rhapsody TestConductor AO Floating User Lic + SW	D09PZLL
S&S 12 Mo	
Rat1 Rhapsody TestConductor AO Floating User SW S&S	D09IALL
Reinstate 12 Mo	
Rat1 Rhapsody TestConductor AO Floating User SubSq FT	E06YWLL
Lic+S&S 12 Mo	

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Tools and Utilities Add On	
Rat1 Rhapsody Tools Utilities AO Auth User Annual SW	E079IILL
S&S Rnw1	
Rat1 Rhapsody Tools Utilities AO Auth User Init1 FT	D097VLL
Lic+S&S 12 Mo	
Rat1 Rhapsody Tools Utilities AO Auth User Lic + SW S&S	D09Q9LL
12 Mo	
Rat1 Rhapsody Tools Utilities AO Auth User SW S&S	D09IKLL
Reinstate 12 Mo	
Rat1 Rhapsody Tools Utilities AO Auth User SubSq FT	E06YTLL
Lic+S&S 12 Mo	
Rat1 Rhapsody Tools Utilities AO Floating User Annual	E079NLL
SW S&S Rnw1	
Rat1 Rhapsody Tools Utilities AO Floating User Init1 FT	D097WLL
Lic+S&S 12 Mo	
Rat1 Rhapsody Tools Utilities AO Floating User Lic + SW	D09QELL
S&S 12 Mo	
Rat1 Rhapsody Tools Utilities AO Floating User SW S&S	D09IQLL
Reinstate 12 Mo	
Rat1 Rhapsody Tools Utilities AO Floating User SubSq FT	E06YULL
Lic+S&S 12 Mo	

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Developer	
Rat1 Rhapsody Developer Auth User Annual SW S&S Rnw1	E078NLL
Rat1 Rhapsody Developer Auth User Init1 FT Lic+S&S 12	D097TLL
Mo	



Rat1 Rhapsody Developer Auth User Lic + SW S&S 12 Mo	D09PELL
Rat1 Rhapsody Developer Auth User SW S&S Reinstate 12 Mo	D09HQLL
Rat1 Rhapsody Developer Auth User SubSq FT Lic+S&S 12 Mo	E06YRLL
Rat1 Rhapsody Developer Floating User Annual SW S&S Rnw1	E079QLL
Rat1 Rhapsody Developer Floating User Init1 FT Lic+S&S 12 Mo	D097ULL
Rat1 Rhapsody Developer Floating User Lic + SW S&S 12 Mo	D09QGLL
Rat1 Rhapsody Developer Floating User SW S&S Reinstate 12 Mo	D09ISLL
Rat1 Rhapsody Developer Floating User SubSq FT Lic+S&S 12 Mo	E06YSLL

### **Rational Rhapsody**

Part description	Part number
IBM Rational Modeler Rhapsody Corporate Edition	
Rat1 Rhapsody Corporate Edition Auth User Init1 FT Lic+S&S 12 Mo	D097SLL
Rat1 Rhapsody Corporate Edition Auth User SubSq FT Lic+S&S 12 Mo	E06YQLL

### **Rational Rhapsody Design Manager**

Part description	Part number
IBM Rational Rhapsody Design Reviewer	
Rat1 Rhapsody Design Reviewer AU Single Install Annual SW S&S Rnw1	E0C9WLL
Rat1 Rhapsody Design Reviewer AU Single Install Init1 FT Lic+S&S 12 Mo	D0JZULL
Rat1 Rhapsody Design Reviewer AU Single Install Lic + SW S&S 12 Mo	D0JZ0LL
Rat1 Rhapsody Design Reviewer AU Single Install SW S&S Reinstate 12 Mo	D0JZ1LL
Rat1 Rhapsody Design Reviewer AU Single Install SubSq FT Lic+S&S 12 Mo	E0CAALL
Rat1 Rhapsody Design Reviewer FU Single Install Annual SW S&S Rnw1	E0C9XLL
Rat1 Rhapsody Design Reviewer FU Single Install Init1 FT Lic+S&S 12 Mo	D0JZVLL
Rat1 Rhapsody Design Reviewer FU Single Install Lic + SW S&S 12 Mo	D0JZ2LL
Rat1 Rhapsody Design Reviewer FU Single Install SW S&S Reinstate 12 Mo	D0JZ3LL
Rat1 Rhapsody Design Reviewer FU Single Install SubSq FT Lic+S&S 12 Mo	E0CABLL

### **Rational Rhapsody Design Manager**

Part description	Part number
IBM Rational Rhapsody Design Manager	
Rat1 Rhapsody Design Manager AU Single Install Annual SW S&S Rnw1	E0C9ULL
Rat1 Rhapsody Design Manager AU Single Install Init1 FT Lic+S&S 12 Mo	D0JZQLL
Rat1 Rhapsody Design Manager AU Single Install Lic + SW S&S 12 Mo	D0JYVLL
Rat1 Rhapsody Design Manager AU Single Install SW S&S Reinstate 12 Mo	D0JYWLL
Rat1 Rhapsody Design Manager AU Single Install SubSq FT Lic+S&S 12 Mo	E0CA6LL
Rat1 Rhapsody Design Manager FU Single Install Annual SW S&S Rnw1	E0C9VLL
Rat1 Rhapsody Design Manager FU Single Install Init1 FT	D0JZRLL

Lic+S&S 12 Mo			
Ratl Rhapsody Design Manager FU Single Install Lic + SW S&S 12 Mo	D0JYXLL		
Ratl Rhapsody Design Manager FU Single Install SW S&S Reinstall 12 Mo	D0JYLL		
Ratl Rhapsody Design Manager FU Single Install SubSq FT Lic+S&S 12 Mo	E0CA7LL		

### Rational Rhapsody Design Manager

Part description	Part number
IBM Rational Rhapsody Contributor	
IBM Rational Rhapsody Contributor AUSI Annual SW S&S Rnwl	E0EJYLL
IBM Rational Rhapsody Contributor AUSI Initl FT Lic+S&S 12 Mo	D0TB8LL
IBM Rational Rhapsody Contributor AUSI Lic + SW S&S 12 Mo	D0TB4LL
IBM Rational Rhapsody Contributor AUSI SW S&S Reinstall 12 Mo	D0TB5LL
IBM Rational Rhapsody Contributor AUSI SubSq FT Lic+S&S 12 Mo	E0EK0LL
IBM Rational Rhapsody Contributor FUSI Annual SW S&S Rnwl	E0EK4LL
IBM Rational Rhapsody Contributor FUSI Initl FT Lic+S&S 12 Mo	D0TBALL
IBM Rational Rhapsody Contributor FUSI Lic + SW S&S 12 Mo	D0TBELL
IBM Rational Rhapsody Contributor FUSI SW S&S Reinstall 12 Mo	D0TBFL
IBM Rational Rhapsody Contributor FUSI SubSq FT Lic+S&S 12 Mo	E0EK2LL

### Passport Advantage trade-up licenses

#### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
IBM Rational Rhapsody Designer for Systems Engineers		
Rational Rose Technical Developer AU	Ratl Rhap Designer Sys Engrs AU fr Rose TechDevAU Trdup Lic + SW S&S 12 Mo	D0CA8LL
Rational Rose Technical Developer FL	Ratl Rhap Designer Sys Engrs FL fr Rose TechDevFL Trdup Lic + SW S&S 12 Mo	D0CA6LL
Rational Rose Modeler AU	Ratl Rhap Dsgnr Sys Engrs AU fr Ratl Rose Mdlr AU Trdup Lic + SW S&S 12 Mo	D0CA7LL
Rational Rose Modeler FL	Ratl Rhap Dsgnr Sys Engrs FL fr Ratl Rose Mdlr FL Trdup Lic + SW S&S 12 Mo	D0CA5LL
IBM Rational Rhapsody Designer for Systems Engineers per Authorized User	Ratl Rhapsody Designer Sys Eng Floating User AU Trdup Lic + SW S&S 12 Mo	D09RBLL

#### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
IBM Rational Rhapsody Architect for Systems		

Engineers			
Rational Rose Modeler	AU	Ratl Rhap Arch Sys Engrs AU fr Ratl Rose Mdlr AU Trdup Lic + SW S&S 12 Mo	D0CA4LL
Rational Rose Modeler	FL	Ratl Rhap Arch Sys Engrs FL fr Ratl Rose Mdlr FL Trdup Lic + SW S&S 12 Mo	D0CA3LL
IBM Rational Rhapsody Architect for Systems Engineers per Authorized User		Ratl Rhapsody Arch Sys Eng Floating User AU Trdup Lic + SW S&S 12 Mo	D09QPLL

### **Rational Rhapsody**

Precursor product		Trade-up product	Trade-up part number
IBM Rational Rhapsody Interfaces Add On			
IBM Rational Rhapsody Interfaces Add On per Authorized User		Ratl Rhapsody Interface Floating User AU Trdup Lic + SW S&S 12 Mo	D09QRLL

### **Rational Rhapsody**

Precursor product		Trade-up product	Trade-up part number
IBM Rational Rhapsody TestConductor Add On			
IBM Rational Rhapsody TestConductor Add On per Authorized User		Ratl Rhapsody TestConductor AO Floating User AU Trdup Lic + SW S&S 12 Mo	D09R4LL

### **Rational Rhapsody**

Precursor product		Trade-up product	Trade-up part number
IBM Rational Rhapsody Developer			
IBM Rational Rhapsody Developer per Authorized User		Ratl Rhapsody Developer Floating User AU Trdup Lic + SW S&S 12 Mo	D09QVLL

### **Rational Rhapsody**

Precursor product		Trade-up product	Trade-up part number
IBM Rational Rhapsody Tools and Utilities Add On			
IBM Rational Rhapsody Tools and Utilities Add On per Authorized User		Ratl Rhapsody Tools Utilities AO Floating User AU Trdup Lic + SW S&S 12 Mo	D09R2LL

### **Rational Rhapsody**

Precursor product		Trade-up product	Trade-up part number
IBM Rational Rhapsody Developer for C++, C, and Java			
Rational Rose Developer for Java or Rose for		Ratl RDev C C++Java AU fr RoseDev Java or Rose VS	D0CA0LL

Visual Studio AU	Trdup Lic + SW S&S 12 Mo	
Rational Rose Developer for Java or Rose for Visual Studio FL	Ratl RDev C C++Java FL fr RoseDev Java or Rose VS Trdup Lic + SW S&S 12 Mo	D0C9WLL
Rational Rose Enterprise AU	Ratl Rhap Dev for C C++Java AU fr RRose Enterp AU Trdup Lic + SW S&S 12 Mo	D0CA1LL
Rational Rose Technical Developer AU	Ratl Rhap Dev for C C++Java AU fr RRose TechDev AU Trdup Lic + SW S&S 12 Mo	D0CA2LL
Rational Rose Enterprise FL	Ratl Rhap Dev for C C++Java FL fr RRose Enterp FL Trdup Lic + SW S&S 12 Mo	D0C9XLL
Rational Rose Technical Developer FL	Ratl Rhap Dev for C C++Java FL fr RRose TechDev FL Trdup Lic + SW S&S 12 Mo	D0C9YLL
Rational Rose Modeler AU	Ratl Rhap Dev forC C++Java AU fr Ratl Rose Mdlr AU Trdup Lic + SW S&S 12 Mo	D0C9ZLL
Rational Rose Modeler FL	Ratl Rhap Dev forC C++Java FL fr Ratl Rose Mdlr FL Trdup Lic + SW S&S 12 Mo	D0C9VLL
IBM Rational Rhapsody Developer for C++, C, and Java per Authorized User	Ratl Rhapsody Dev C++ Java Floating User AU Trdup Lic + SW S&S 12 Mo	D09QWLL

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody Developer Rules Composer Add On		
IBM Rational Rhapsody Developer Rules Composer Add On per Authorized User	Ratl Rhapsody Dev Rule Cmp AO Floating User AU Trdup Lic + SW S&S 12 Mo	D09QQLL

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody Automatic Test Generation Add On		
IBM Rational Rhapsody Automatic Test Generation Add On per Authorized User	Ratl Rhapsody Auto Test Gen AO Floating User AU Trdup Lic + SW S&S 12 Mo	D09TCLL

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody Architect for Software		
Rational Rose Developer for Java or Rose for Visual Studio FL	Ratl RA SW FL fr RoseDev Java or Rose Vs1Std FL Trdup Lic + SW S&S 12 Mo	D0C9RLL
Rational Rose Developer for Java or Rose for Visual Studio AU	Ratl RArch SW AU fr RoseDev Java or Rose Vs1Std AU Trdup Lic + SW S&S 12 Mo	D0C9NLL
Rational Rose Enterprise AU	Ratl Rhap Arch for SW AU fr Ratl Rose EnterpriseAU	D0C9PLL

Rational Rose Modeler AU	Trdup Lic + SW S&S 12 Mo Ratl Rhap Arch for SW AU fr Ratl Rose Modeler AU	D0C9MLL
Rational Rose Enterprise FL	Trdup Lic + SW S&S 12 Mo Ratl Rhap Arch for SW FL fr Ratl Rose EnterpriseFL	D0C9SLL
Rational Rose Modeler FL	Trdup Lic + SW S&S 12 Mo Ratl Rhap Arch for SW FL fr Ratl Rose Modeler FL	D0C9QLL
IBM Rational Rhapsody Architect for Software per Authorized User	Trdup Lic + SW S&S 12 Mo Ratl Rhapsody Architect for SW Floating User AU	D09TDLL

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody for DoDAF, MODAF, and UPDM Add On

IBM Rational Rhapsody for DoDAF, MODAF, and UPDM Add On per Authorized User	Ratl Rhapsody D, M, U AO Floating User AU Trdup Lic + SW S&S 12 Mo	D09SKLL
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### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody Developer for Ada

Rational Rose Enterprise AU	Trdup Lic + SW S&S 12 Mo Ratl Rhap Dev for ADA AU fr Ratl Rose EnterpriseAU	D0C9TLL
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Rational Rose Enterprise FL	Trdup Lic + SW S&S 12 Mo Ratl Rhap Dev for ADA FL fr Ratl Rose EnterpriseFL	D0C9ULL
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IBM Rational Rhapsody Developer for Ada per Authorized User	Trdup Lic + SW S&S 12 Mo Ratl Rhapsody Dev Ada Floating User AU Trdup Lic + SW S&S 12 Mo	D09QMLL
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### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody Developer Rules Player Add On

IBM Rational Rhapsody Developer Rules Player Add On per Authorized User	Trdup Lic + SW S&S 12 Mo Ratl Rhapsody Plyr Rule Cmp AO Floating User AU	D09R0LL
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### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody Gateway Add On

IBM Rational Rhapsody Gateway Add On per Authorized User	Trdup Lic + SW S&S 12 Mo Ratl Rhapsody Getway Floating User AU Trdup Lic + SW S&S 12 Mo	D09STLL
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### Rational Rhapsody Design Manager

Precursor product	Trade-up product	Trade-up
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		part number
IBM Rational Rhapsody Design Manager		
IBM Rational Rhapsody Contributor	Ratl RDM AUSI from Rhapsody Contributor AUSI Trdup Lic + SW S&S 12 Mo	D0TB2LL
IBM Rational Rhapsody Contributor	Ratl RDM FUSI from Rhapsody Contributor FUSI Trdup Lic + SW S&S 12 Mo	D0TB3LL
Ratl Rhap Design Manager Authorized User Single Install	Ratl Rhapsody Design Manager FUSI from AUSI Trdup Lic + SW S&S 12 Mo	D0JYZLL

### Rational Rhapsody Design Manager

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody Design Reviewer Rhapsody Designer Reviewer Authorized User Single Install	Ratl Rhapsody Design Reviewer FUSI from AUSI Trdup Lic + SW S&S 12 Mo	D0JZ4LL
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### Passport Advantage supply

Program name/description	Part number
Ratl Rhapsody Arch for SW V8.0.0	
IBM Rational Rhapsody V8.0 Multiplatform Multilingual Media Pack	BT0HJML
Ratl Rhapsody Design Manager V4.0.0	
IBM Ratl Rhapsody Design Manager V4.0 Multiplatform Multilingual Media Pack	BT0HKML

### 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.

#### Ratl Rhapsody Arch for SW V8.0.0

Entitled maintenance offerings description	Media packs description	Part number
IBM Rational Rhapsody Architect for Software per Authorized User	IBM Rational Rhapsody V8.0 Multiplatform Multilingual Media Pack	BT0HJML
IBM Rational Rhapsody Architect for Software per Floating User Single Install	IBM Rational Rhapsody V8.0 Multiplatform Multilingual Media Pack	BT0HJML

#### Ratl Rhapsody Design Manager V4.0.0

Entitled maintenance offerings description	Media packs description	Part number
IBM Rational Rhapsody Design Manager per Authorized User Single Install	IBM Ratl Rhapsody Design Manager V4.0 Multiplatform Multilingual Media Pack	BT0HKML
Ratl Rhapsody Design Manager per Floating User Single Install	IBM Ratl Rhapsody Design Manager V4.0 Multiplatform Multilingual Media Pack	BT0HKML

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## Terms and conditions

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

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Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

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

### **License Information form numbers**

Program name	Program number	Form number
Rational Rhapsody	5724-X70	L-SROS-8WNJVX
Rational Rhapsody Design Manager	5725-D80	L-SROS-8WNJE2

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

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

### **Limited warranty applies**

Yes

### **Limited warranty**

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.

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<http://www.ibm.com/support/handbook>

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Technical support of a program product version or release will be available for a minimum of five years from the general availability date, as long as your Software Maintenance is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Maintenance also provides you with access to updates (modifications or fixes), releases, and versions of the program. You will be notified, via announcement

letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM , including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

### ***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>

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