IBM Rational Developer for i, V9.5.1 delivers new support for Apple Mac platform and other significant enhancements

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Overview

IBM® Rational® Developer for i, V9.5.1 delivers the following significant new capabilities:

• Support for Apple Mac OS X operating system
• Support for ILE RPG O-Spec in the dynamic outline view
• F1 language-sensitive help that is enabled for SQL in ILE RPG
• Kerberos authentication for IBM i connections
• IFS project support by using Remote Reconciler with IFS remote contexts
• ILE RPG editing improvements
• New version of Access Client Solutions with Visual Explain
• Block commenting actions in the editor for CL

For full details about the new capabilities, refer to the Description section.

Key prerequisites

Rational Developer for i, V9.5.1 added support for Apple Mac OS X operating system. For details, refer to the Hardware requirements and Software requirements sections.

Planned availability date

• September 9, 2016: Passport Advantage®
• September 13, 2016: Advanced Administration System (AAS)

Refer to the Availability of national languages section for national language availability.

Description

Rational Developer for i is available in three editions:

• RPG and COBOL Tools (with support for C, C++, CL, DDS, and SQL development)
Rational Developer for i, V9.5.1 includes the following new features and functions:

- Apple Mac OS X operating system support. Rational Developer for i is now supported on Apple Mac OS X 10.11. This makes it faster and simpler for OS X users to develop IBM i applications.
  
  **Note:** Some functions, such as program verifiers and syntax checkers, are not available on OS X.

- IFS projects. Any non-iProject Eclipse project can now be synchronized with an IFS folder by using the remote reconciler view. This enables the full power of Eclipse tooling to be applied to any development that is stored on the IFS file system. For example, a Java or web development project can easily synchronize with an IFS folder. This enables you to edit the project with Eclipse tooling; the result is immediately available on the IBM i for testing and deployment.

- Kerberos authentication. Connections to the IBM i server can now be authenticated automatically by using Kerberos. An organization that has Kerberos installed gets the benefit of single sign-on and enterprise identity mapping when working with Rational Developer for i.

- ILE RPG editing. The ILE RPG editor tooling can now detect definitions and references within O-Specs. The dynamic ILE RPG outline view, hyperlinking, hover support, and content assist can find fields that are referenced in O-Specs. I-Specs tooling is enhanced so that qualified and indexed fields are fully supported.

- Dynamic ILE RPG outline view. The dynamic ILE RPG outline view now supports hiding of any unreferenced definitions. This helps reduce clutter in the view and make declarations easier to find.

- Language-sensitive help for SQL, which is embedded in ILE RPG. Now when you press F1, you are taken to the SQL language reference page specific to the keyword that the cursor is on.

- ILE RPG content assist. The ILE RPG content assist function can now automatically show proposals after you enter a customizable set of specific characters. This provides helpful hints for completing your code without requiring any intervention.

- ILE RPG program verifier. The ILE RPG program verifier can now be easily switched from generating messages for bound programs versus modules. Previously, the verifier defaulted to generating messages as CRTRPGMOD but now it supports bound programs as well. You can also switch the default between programs and modules.

- CL and DDS editing. The CL and DDS languages, such as ILE RPG, can now easily comment and uncomment lines by using a shortcut key.

- Access Client Solutions (ACS) integration. With ACS, Rational Developer for i can analyze the performance of SQL using Visual Explain. The integration with the Run SQL Statement function in ACS is extended to COBOL, and also ILE RPG.

**Accessibility by people with disabilities**

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be found on the IBM Accessibility website.

**Availability of national languages**

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<th>Description</th>
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<tr>
<td>IBM Rational Developer for i RPG and COBOL Tools, V9.5.1</td>
<td>September 9, 2016 (Passport Advantage)</td>
<td>French, Korean, Simplified Chinese, Spanish, Portuguese-Brazilian, German, Japanese</td>
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Description | Availability date | Language
--- | --- | ---
IBM Rational Developer for i RPG and COBOL + Modernization Tools, Java™ Edition, V9.5.1 | • September 13, 2016 (AAS) | Traditional Chinese, Italian, US English

IBM Rational Developer for i RPG and COBOL + Modernization Tools, EGL Edition, V9.5.1 | • September 9, 2016 (Passport Advantage)  
• September 13, 2016 (AAS) | French, Korean, Simplified Chinese, Spanish, Portuguese-Brazilian, German, Japanese, Traditional Chinese, Italian, US English

Translation information, if available, can be found at the Translation Reports website.

Program number

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<td>5733-RDW</td>
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Product identification number

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Offering Information

Product information is available on the IBM Offering Information website.

More information is also available on the Passport Advantage and Passport Advantage Express™ website.

Publications

No publications are shipped with this program.

To access the IBM Publications Center portal, go to the IBM Publications Center website.

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. A large number of publications are available online in various file formats, and they can all be downloaded by all countries.
Services

Global Technology Services

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.

Technical information

Specified operating environment

Hardware requirements

For hardware requirements, go to the Rational Developer for i website.

Software requirements

For software requirements, go to the Rational Developer for i website.

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.

Limitations

Additional information can be found in the Terms and conditions section of this announcement. See also the License Information documents found on the IBM Software License Agreement website.

IBM Electronic Support

The IBM Support Portal is your gateway to technical support. This includes IBM Electronic Support tools and resources, for software and hardware, to help save time and simplify support. The Electronic Support tools can help you find answers to questions, download fixes, troubleshoot, automate data collection, submit and track problems through the Service Request online tool, and build skills. All these tools are made available through your IBM support agreement. Read about the Electronic Support portfolio of tools on the IBM Electronic Support website.

You can also access the IBM Support Portal page and the online Service requests and PMRs tool for more support.

Planning information

Packaging

This offering is delivered through the Internet. There is no physical media.

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Security, auditability, and control

IBM Rational Developer for i uses the security and auditability features of the respective operating systems. The customer is responsible for evaluation, selection,
and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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

**Ordering information**

This IBM Workstation Software product is being announced as a dual-pipe offering, and is available for ordering by program and feature number or by part number.

When ordering by part numbers, this product can be obtained through IBM Passport Advantage. Contact your IBM representative or IBM Business Partner Reseller and Distributors for Workstation Software.

For more information, contact your IBM Sales Specialist or IBM Business Partner, or go to the Passport Advantage and Passport Advantage Express website.

Product group: Rational

Product: IBM Rational Developer for i 9.5.1 (5724-Y99, 5733-RDW)

Product category: Rational Developer

**Passport Advantage**

Rational Developer for i 9.5.1 ordering information for licenses and software subscriptions remains unchanged. Refer to Software Announcement ZP13-0163, dated April 23, 2013.

**Advanced Administration System (AAS)**

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<td>RPG and COBOL + Modernization Tools, Java Edition V9.5.1</td>
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This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

Extending coverage for a total of three years from the date of acquisition may be elected. Order the program number, feature number, and quantity to extend coverage for your software licenses. If maintenance has expired, specify the after license feature number.

**Charge metric**

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<th>Program name</th>
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<td>IBM Rational Developer for i RPG and COBOL Tools</td>
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<td>IBM Rational Developer for i RPG and COBOL + Modernization Tools, Java Edition</td>
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| IBM Rational Developer for i RPG and COBOL + Modernization Tools, Java Edition | 5724-Y99                  | • Floating User Single Install  
• Fixed term Floating User Single Install |
| IBM Rational Developer for i RPG and COBOL + Modernization Tools, EGL Edition  | 5724-Y99                  | • Authorized User  
• Floating User Single Install  
• Fixed term Floating User Single Install  
• Authorized User |

**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 given access to the program in any manner directly or indirectly (for example, through 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**

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 entitlements 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, through 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.

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

**Agreement for Acquisition of Software Maintenance**

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) applies for Subscription and Support (also referred to as Software Maintenance) and does not require customer signatures.

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program 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. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

**License Information number**

L-JWOG-AAWSMT

See the License Information documents page on the IBM Software License Agreement website for more information.

**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.

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

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

**Money-back guarantee**

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 (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

**Volume orders (IVO)**

Yes. Contact your IBM representative.

**Passport Advantage applies**

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**Usage restriction**

Yes

See the License Information documents page on the IBM Software License Agreement website for more information.

**Software Subscription and Support applies**

Yes. Software Subscription and Support, also referred to as Software Maintenance, is now included in the Passport Advantage Agreement. Installation and technical support for the products announced in this announcement is provided by the Software Subscription and Support offering of the IBM International Passport Advantage Agreement. This fee service enhances customer productivity by providing voice or electronic access into the IBM support organizations.

IBM includes one year of Software Subscription and Support with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option.

While your Software Subscription and Support is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance by telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, every day of the year. For additional details, see the IBM Software Support Handbook. Software Subscription and Support does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under this agreement.

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All distributed software licenses include Software Subscription and Support for a period of 12 months from the date of acquisition, providing a streamlined way to acquire IBM software and assure technical support coverage for all licenses. Extending coverage for a total of three years from date of acquisition, may be elected.

**Variable charges apply**

No

**Educational allowance available**
Yes. When ordering through the program number process, a 15% education allowance applies to qualified education institution customers.

Education software allowance program applies when ordering through the program number process.

For the part number ordering process, special education prices are available for qualified customers through Passport Advantage.

**ESAP available**

Yes, to qualified customers.

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**Important:** IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.

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Now integrated into the base operating system of AIX® V5.3, AIX V6.1, and AIX V7.1, Electronic Service Agent is designed to automatically and electronically report system failures and utilization issues to IBM, which can result in faster problem resolution and increased availability. System configuration and inventory information collected by the Electronic Service Agent tool also can be viewed on the secure Electronic Support web portal, and used to improve problem determination and resolution by you and the IBM support team. To access the tool main menu, simply type smitty esa_main, and select Configure Electronic Service Agent. In addition, ESA now includes a powerful web user interface, giving the administrator easy access to status, tool settings, problem information, and filters. For more information and documentation on how to configure and use Electronic Service Agent, go to the IBM Electronic Support website.

The IBM Electronic Support portal is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. This portal enables you to gain easier access to IBM resources for assistance in resolving technical problems. The My Systems and Premium Search functions make it even easier for organizations that are Electronic Service Agent tool-enabled to track system inventory and find pertinent fixes.
Benefits

**Increased uptime:** The Electronic Service Agent™ tool is designed to enhance the Warranty or Maintenance Agreement by providing faster hardware error reporting and uploading system information to IBM Support. This can translate to less wasted time monitoring the symptoms, diagnosing the error, and manually calling IBM Support to open a problem record. Its 24 x 7 monitoring and reporting mean human intervention is not required to report errors.

**Security:** The Electronic Service Agent tool is designed to be secure in monitoring, reporting, and storing the data at IBM. The Electronic Service Agent tool is designed to securely transmit either through the Internet (HTTPS or VPN) or modem to provide organizations a single point of exit from their site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into an organization's system.

For additional information, go to the IBM Electronic Service Agent website.

**More accurate reporting:** Because system information and error logs are automatically uploaded to the IBM Support Center in conjunction with the service request, you are not required to find and send system information, decreasing the risk of misreported or misdiagnosed errors. Once inside IBM, problem error data is run through a data knowledge management system and knowledge articles are appended to the problem record.

**Customized support:** Using the IBM ID entered during activation, you can view system and support information in the My Systems and Premium Search sections of the IBM Electronic Support page.

My Systems provides valuable reports of installed hardware and software using information collected from the systems by Electronic Service Agent. Reports are available for any system associated with your IBM ID. Premium Search combines the function of search and the value of Electronic Service Agent information, providing advanced search of the technical support knowledgebase. Using Premium Search and the Electronic Service Agent information that has been collected from your system, you are able to see search results that apply specifically to your systems.

For more information on how to utilize the power of IBM Electronic Services, contact your IBM Systems Services Representative, or go to the IBM Electronic Support website.

Prices

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**Passport Advantage**
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For all charges, contact your IBM representative.

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Terms of use

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IBM Directory of worldwide contacts

**Corrections**

(Corrected on September 6, 2016)

Hardware requirements, Software requirements, Business partner information sections are revised.