



# IBM Rational Integrated Development Environments V9.1.1 deliver expanded usage scenarios and improved usability

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## At a glance

Version 9.1.1 of the following products enable expanded usage scenarios and improved usability.

- IBM<sup>(R)</sup> Rational<sup>(R)</sup> Application Developer for WebSphere<sup>(R)</sup> Software
- Rational Developer for System z<sup>(R)</sup>
- Rational Developer for i
- Rational Developer for AIX<sup>(R)</sup> and Linux<sup>TM</sup>
- Rational Business Developer
- Rational Developer for the Enterprise

Note that some of these products may include, as a convenience, third-party open source software components that are provided "as is". For details, refer to the [Description](#) section.

Some capabilities and installation scenarios are deprecated. For details, refer to the [Description](#) section. For information about the physical forms in which the Version 9.1.1 is delivered, refer to the [Description](#) section.

## Overview

The Version 9.1.1 of Rational Application Developer for WebSphere Software, Rational Developer for System z, Rational Developer for i, Rational Developer for AIX and Linux, Rational Business Developer, and Rational Developer for the Enterprise enable expanded usage scenarios and improved usability. Also, some capabilities and installation scenarios are deprecated. Refer to the [Description](#) section of this announcement for details.

The delivery modes for Version 9.1.1 are:

- Rational Application Developer for WebSphere Software and Rational Developer for System z provide a refreshed, full, Version 9.1.1 installable image and also deliver an update image through FixCentral that can be applied to an existing Version 9.1.0.x installation. Physical media kits are not updated with the refreshed, full-installable image.
- Rational Developer for i, Rational Developer for AIX and Linux, and Rational Business Developer provide a Version 9.1.1 update image through FixCentral that can be applied to an existing Version 9.1.0.x installation. These products do not provide refreshed full-installable images for Version 9.1.1.

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## Key prerequisites

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Supports Linux and Microsoft™ Windows™.

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

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## Planned availability date

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- October 31, 2014: Electronic availability. Rational Application Developer for WebSphere Software
- December 12, 2014: Electronic availability. Rational Developer for System z, Rational Developer for i, Rational Developer for AIX and Linux, Rational Business Developer, and Rational Developer for the Enterprise

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## Description

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The Version 9.1.1 of Rational Application Developer for WebSphere Software, Rational Developer for System z, Rational Developer for i, Rational Developer for AIX and Linux, Rational Business Developer, and Rational Developer for the Enterprise enable expanded usage scenarios and improved usability.

The delivery modes for Version 9.1.1 are:

- Rational Application Developer for WebSphere Software and Rational Developer for System z deliver a refreshed, full, Version 9.1.1 installable image and also provide a Version 9.1.1 update image (through FixCentral) that can be applied to an existing Version 9.1.0.x installation. Physical media kits are not updated with the refreshed, full installable image.
- Rational Developer for i, Rational Developer for AIX and Linux, and Rational Business Developer deliver a Version 9.1.1 update image through FixCentral that can be applied to an existing Version 9.1.0.x installation. These products do not provide refreshed full installable images for Version 9.1.1.

### New and updated capabilities

- Rational Application Developer for WebSphere Software: Addition of tools for interacting with the IBM Bluemix™ and DevOps Services public cloud environments.
- Rational Application Developer for WebSphere Software: An expanded set of static analysis capabilities (additional Java™ code rules and new Java code metrics).
- Rational Application Developer for WebSphere Software, Rational Developer for AIX and Linux, and the "+ Java " edition of Rational Developer for i: Updates to Cordova tools (update to Cordova 3.5.0, and other usability enhancements).
- Rational Application Developer for WebSphere Software: Portal Tools enhancements (script-based portlets capability that are supported by jQuery and dojo tooling).
- Rational Application Developer for WebSphere Software and Rational Developer for AIX and Linux (C/C++ Edition): Ability to use the little endian Ubuntu Server 14.04 distribution on PowerLinux™ systems as a target runtime environment. The Rational Agent Controller (RAC) component included with these products, now supports the ability to connect and interact with remote Java applications running on the little endian distribution.
- Rational Developer for System z (RDz): debugger enhancements, such as support for simultaneous sessions in a CICS® region that use either IBM Debug Tool or the Rational Developer for System z integrated debugger, and debugger

client tolerance of current and two, previous debug server version levels (client and engine versions no longer have to match).

- Rational Developer for System z: Unit test automation (zUnit) enhancements such as stubbing of I/O calls and tooling to simplify the build process, and a simplified UI for test case creation.
- Rational Developer for System z: A new, job notifications capability and an improved push-to-client capability for centralizing administration of tool and workspace configurations and settings.
- Rational Developer for System z (RDz): Currency updates for CICS 5.2 support and IMS™ 13.1 support.
- Rational Developer for i and Rational Developer for AIX and Linux: A new push-to-client capability for centralizing administration of tool and workspace configurations and settings.
- Rational Developer for i: New ability to run code coverage analysis capability interactively (through SEP).
- Rational Business Developer: Support for Dojo 1.9 runtime, and usability enhancements within the EGL IDE capabilities.

Support for additional desktop operating system distributions is also added. Refer to each detailed product system requirements report using the Software Product Compatibility Reports tool at

<http://www-969.ibm.com/software/reports/compatibility/clarity/index.html>

### **Capabilities that are deprecated:**

#### *Rational Application Developer for WebSphere Software*

Tool support for Struts 1.1 runtime. The Apache Struts v1.1 runtime reached end of life (as an OSS distribution) as of April 23, 2013, and as a web development framework this leaves high risk of security vulnerabilities being discovered that will not be fixed by the community. Guidance from the Apache Struts community can be found at

<http://struts.apache.org/struts1eol-announcement.html>

As alternatives to Struts 1.1, consider using:

- Struts v2 as described in this IBM technote:<http://www-01.ibm.com/support/docview.wss?uid=swg21327401>
- JSF
- Universal Test Client (for testing legacy EJB 1.x and 2.x)
- Table and Datasource Creator
- Apache Tiles
- The legacy preference management capabilities provided by the workspacePreferenceGet, workspacePreferenceSet, and workspacePreferenceFile Ant tasks. Replacement: always use the Eclipse preference store management.
- The antImportProjectSet' provider type for the projectSetImport Ant task. Replacement: Use your Source Code Management (SCM) provider type, such as CVS or Git.
- The USERID and PASSWORD attributes for the projectSetImport Ant task. Replacement: define an authentication child element to the task for each repository that requires username and password credentials.

#### *Rational Developer for System z*

- Creation of new COBOL and PL/I DB2<sup>(R)</sup> Stored Procedures. Replacement: do this through SQL or Java
- Push to Host
- Offline Projects

## All IDEs

- Support for installing into an existing non-IBM Eclipse instance. Note: Installation into an existing IBM Package Group, which is the process used to install multiple IBM products into the same Eclipse instance, which is sometimes called "shell sharing") is not deprecated
- Tool support for IBM Workload Deployer and IBM PureApplication<sup>(R)</sup> System.
- Test component (for unit test reporting) in TPTP.

Capabilities that are removed in Rational Developer for System z include:

- TxSeries 7.1 is no longer be included as part of Rational Developer for System z physical packaging .

**Note:**Some of these products may include, as part of their bills of materials (installable images), third-party open source software components that owners of the products commonly use in combination with the products. This is done purely as a convenience to the customer. These components are provided "as is" and IBM does not assume any responsibility for technical support of these components. Technical support of these components is the responsibility of the open source software communities that produce them. Customers are responsible to seek technical support directly from those communities.

Also, such third-party components might not conform to IBM internal standards for software accessibility and internationalization (for example, such components might be English-only). To the extent that IBM provides internally produced software that implements specific points of integration with such third-party components, or software that provides support for installing such third-party components, IBM does assume responsibility for technical support of the integration and/or installation software. At this time, in the products that are the subject of this Announcement, these third-party components are included "as is" in the products' bills of material:

- (Eclipse) eGit (updated to eGit 3.4.1 in this delivery)
- (Apache) Cordova (updated to Cordova 3.5.0 in this delivery)
- Eclipse Marketplace Client
- Cloud Foundry Integration for Eclipse

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## Program number

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Program number	VRM	Program name
5724-J19	9.1.1	IBM Rational Application Developer for WebSphere Software
5724-S50	9.1.1	IBM Rational Business Developer
5724-T07	9.1.1	IBM Rational Developer for System z
5725-K78	9.1.1	IBM Rational Developer for the Enterprise
5733-RDW	9.1.1	IBM Rational Developer for i
5724-Y99	9.1.1	IBM Rational Developer for i
5725-L11	9.1.1	IBM Rational Developer for AIX and Linux
5733-RDX	9.1.1	IBM Rational Developer for AIX and Linux

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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<sup>®</sup> website

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

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## Services

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### Software Services

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IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services or to contact a Software Services sales specialist, visit

<http://www.ibm.com/software/sw-services/>

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## Technical information

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### Specified operating environment

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#### *Hardware requirements*

##### **Disk space**

- 3.5 GB minimum for installing and additional disk space for development resources
- 7.0 GB required when installing from a download; minimum disk space can be reduced if optional features and run times are not installed

**Display:**1024 x 768; 1280 X 1024 recommended

##### **Memory:**

- Minimum: 2 GB RAM
- Recommended: 4 GB RAM
- Large workspace: 6 GB RAM

##### **Processor**

- Minimum: 32-bit (x86) dual core
- Recommended: 64-bit (x64) quad core or better
- Large workspace: 64-bit (x64) processor, i5, i7 or better (or AMD equivalent )

#### *Software requirements*

##### **Eclipse Runtime Environment**

- IBM Eclipse SDK: Juno V4.2.2 and future fix packs, modification levels and their fix packs
- Capilano Components (IBM Installation Manager and IBM Packaging Utility) V1.7.2 and future fix packs

**Installation:**Capilano Components (IBM Installation Manager and IBM Packaging Utility) V1.7.2 and future fix packs

### **IBM Java SDK**

- Java SDK V6.0 and future modification levels and their fix packs
- Java SDK/JRE V7.0 and future modification levels and their fix packs
- Java SDK/JRE V7.0.5 and future fix packs
- Java SDK/JRE V7.0.6 and future fix packs
- Java SDK/JRE V7.0.7 and future fix packs

### **Web browsers**

- Microsoft Internet Explorer 8.0 and future versions, releases, modification levels and fix packs
- Mozilla Firefox 10.0 and future versions, releases, modification levels and fix packs

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**

For additional information, refer to [Usage restriction](#) topic in the [Terms and conditions](#) section of this announcement, or to the license information document that is available on the IBM Software License Agreement website

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

### **Planning information**

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#### **Packaging**

- IBM Rational Business Developer
- IBM Rational Developer for i
- IBM Rational Developer for AIX and Linux
- IBM Rational Developer for System z
- IBM Rational Developer for the Enterprise
- IBM Rational Application Developer for WebSphere Software

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### **Ordering information**

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#### **Charge metric**

<b>Program name</b>	<b>PID number</b>	<b>Charge unit description</b>
Rational Application Developer for WebSphere Software	5724-J19	Per Authorized User
Rational Application Developer for WebSphere Software	5724-J19	Per Authorized User for System z
Rational Application Developer for WebSphere Software	5724-J19	Per Floating User Single Install
Rational Application Developer for WebSphere Software	5724-J19	Per Floating User Single Install for System z

<b>Program name</b>	<b>PID number</b>	<b>Charge unit description</b>
Rational Business Developer	5724-S50	Per Floating User for System z
Rational Business Developer	5724-S50	Per Floating User
Rational Business Developer	5724-S50	Per Authorized User
Rational Business Developer	5724-S50	Per Authorized User for System z
Rational Developer for System z	5724-T07	Per Floating User Single Install
Rational Developer for System z	5724-T07	Per Authorized User
Rational Developer for the Enterprise	5725-K78	Per Authorized User
Rational Developer for the Enterprise	5725-K78	Per Authorized User for System z
Rational Developer for the Enterprise	5725-K78	Per Floating User Single Install
Rational Developer for the Enterprise	5725-K78	Per Floating User Single Install for System z
Rational Developer for i	5733-RDW	Per Authorized User
Rational Developer for i RPG and COBOL Tools	5724-Y99	Per Authorized User
Rational Developer for i RPG and COBOL Tools	5724-Y99	Per Per Floating User Single Install
Rational Developer for i RPG and COBOL Tools	5724-Y99	Per Fixed term Floating User Single Install
Rational Developer for i RPG and COBOL + Modernizaton Tools, Java Edition	5724-Y99	Per Authorized User
Rational Developer for i RPG and COBOL + Modernizaton Tools, Java Edition	5724-Y99	Per Per Floating User Single Install
Rational Developer for i RPG and COBOL + Modernizaton Tools, Java Edition	5724-Y99	Per Fixed term Floating User Single Install
Rational Developer for i RPG and COBOL + Modernizaton Tools, EGL Edition	5724-Y99	Per Authorized User
Rational Developer for AIX and Linux	5733-RDX	Per Authorized User
Rational Developer for AIX and Linux	5725-L11	Per Authorized User
Rational Developer for AIX and Linux	5725-L11	Per Per Floating User Single Install
Rational Developer for AIX and Linux	5725-L11	Per Fixed term Floating User Single Install

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## License Information number

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License Information number(s)

Program name	Program number	LI number
IBM Rational Developer for System z	5724-T07	L-DCWN-9M3JAF
IBM Rational Application Developer for WebSphere Software	5724-J19	L-JWOG-9NDPWS

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

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Yes

## Limited warranty

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For clarification, note that 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)**

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No

## **Passport Advantage applies**

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No

## **Usage restriction**

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Yes

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

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

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**System i Software Maintenance applies**

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No

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**Variable charges apply**

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No

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**Educational allowance available**

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Not applicable.

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**Statement of good security practices**

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