



redhat.[®]

JBoss Enterprise BRMS Platform 5

5.0.2 Release Notes

Important information related to the JBoss Enterprise BRMS Platform 5.0.2 product release

Edition 5.0.2

JBoss Enterprise BRMS Platform 5 5.0.2 Release Notes

Important information related to the JBoss Enterprise BRMS Platform 5.0.2 product release
Edition 5.0.2

Darrin Mison
Red Hat Content Services
dmison@redhat.com

Legal Notice

Copyright © 2010 Red Hat, Inc..

This document is licensed by Red Hat under the [Creative Commons Attribution-ShareAlike 3.0 Unported License](#). If you distribute this document, or a modified version of it, you must provide attribution to Red Hat, Inc. and provide a link to the original. If the document is modified, all Red Hat trademarks must be removed.

Red Hat, as the licensor of this document, waives the right to enforce, and agrees not to assert, Section 4d of CC-BY-SA to the fullest extent permitted by applicable law.

Red Hat, Red Hat Enterprise Linux, the Shadowman logo, JBoss, OpenShift, Fedora, the Infinity logo, and RHCE are trademarks of Red Hat, Inc., registered in the United States and other countries.

Linux ® is the registered trademark of Linus Torvalds in the United States and other countries.

Java ® is a registered trademark of Oracle and/or its affiliates.

XFS ® is a trademark of Silicon Graphics International Corp. or its subsidiaries in the United States and/or other countries.

MySQL ® is a registered trademark of MySQL AB in the United States, the European Union and other countries.

Node.js ® is an official trademark of Joyent. Red Hat Software Collections is not formally related to or endorsed by the official Joyent Node.js open source or commercial project.

The OpenStack ® Word Mark and OpenStack logo are either registered trademarks/service marks or trademarks/service marks of the OpenStack Foundation, in the United States and other countries and are used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation, or the OpenStack community.

All other trademarks are the property of their respective owners.

Abstract

These release notes contain important information related to the JBoss Enterprise BRMS Platform 5.0.2 product. Known problems, additional resources, and other current issues are addressed here.

Table of Contents

1. OVERVIEW	2
2. DOCUMENTATION	2
3. PRODUCT SUPPORT AND LICENSE WEBSITE LINKS	2
4. SUPPORTED DEPLOYMENT PLATFORMS	3
5. INSTALLATION NOTES	3
6. TECHNOLOGY PREVIEWS	3
7. POSSIBLE MIGRATION ISSUE	3
8. ISSUES RESOLVED IN THE 5.0.2 RELEASE	4
9. KNOWN ISSUES IN THIS RELEASE	6
A. REVISION HISTORY	10

1. OVERVIEW

The JBoss Enterprise BRMS Platform is a complete solution for the development and management of rules-based applications using JBoss Rules in your enterprise. It provides a standards compliant, JCR-based repository for version control of rule related assets, a web-based management and development UI and the latest JBoss Rules 5 API technology.

These community developed and enterprise certified and supported products have been integrated and tested to provide a solid, robust, and scalable platform. Powered by legendary JBoss innovation and backed by Red Hat engineering and quality assurance, the JBoss Enterprise BRMS Platform is the solution of choice for rules-based application development and management in your enterprise.

2. DOCUMENTATION

The JBoss Enterprise BRMS Platform documentation is available for online reading and download at http://docs.redhat.com/docs/en-US/JBoss_Enterprise_BRMS_Platform/index.html.

In addition to these release notes, the JBoss Enterprise BRMS Platform documentation contains the following documents:

BRMS User Guide

The BRMS User Guide is a complete guide to the installation, configuration and use of the BRMS Platform.

JBoss Rules 5 Reference Guide

The JBoss Rules 5 Reference Guide contains both an introduction to, and a complete reference to the JBoss Rules 5.0 as supported by the BRMS Platform.

3. PRODUCT SUPPORT AND LICENSE WEBSITE LINKS

Support Processes

<http://www.redhat.com/support/process/>

Production Support Scope of Coverage

<http://www.redhat.com/support/policy/soc/production>

Production Support Service Level Agreement

<http://www.redhat.com/support/policy/sla/production/>

Developer Support Scope of Coverage

<http://www.redhat.com/support/policy/soc/developer/>

Developer Support Service Level Agreement

<http://www.redhat.com/support/policy/sla/developer/>

Product Update and Support Policy by Product

http://www.redhat.com/security/updates/jboss_notes/

JBoss End User License Agreement

http://www.redhat.com/licenses/jboss_eula.html

4. SUPPORTED DEPLOYMENT PLATFORMS

The JBoss Enterprise BRMS Platform has been tested and supported on several leading Java application servers, database servers and web-browsers.

Refer to <http://www.jboss.com/products/platforms/brms/supportedconfigurations/> for a complete list.



IMPORTANT

The default configuration uses an embedded Derby database. This configuration is included only for evaluation, testing and demonstration purposes. It is not recommended or supported in a production environment.

5. INSTALLATION NOTES

Installation of the JBoss Enterprise BRMS Platform requires a supported Java Application Server and Java Virtual Machine. In your production environment you also require a database server. Details on the supported application servers, JVM and database servers can be found at <http://www.jboss.com/products/platforms/brms/supportedconfigurations/>.

Refer to the BRMS User Guide for installation instructions.

6. TECHNOLOGY PREVIEWS

The JBoss Enterprise BRMS Platform includes the following *Technology Preview* features:

- JBoss Rules: Complex Event Processing (CEP)
- BRMS: Customized selectors for package building

Technology Preview features are not fully supported, may not be functionally complete, and are not intended for production use. These features are included to provide customers with early access to upcoming product innovations, enabling them to test functionality and provide feedback during the development process.

Red Hat JBoss support will provide commercially reasonable efforts to resolve any reported issues that customers experience when using these features.

7. POSSIBLE MIGRATION ISSUE

Read this section to learn about the differences between this release of JBoss Enterprise BRMS Platform and previous releases that may cause difficulties when moving your applications to this version.

As a matter of best practice, Red Hat recommends that you test all of your existing applications on this new version of the JBoss Enterprise BRMS Platform before deploying it in your production environment.

<https://jira.jboss.org/jira/browse/BRMS-271>

The serialization of binary resources used in JBoss Enterprise BRMS Platform 5.0.1 and later is not backwards compatible with the 5.0.0 release. This is because of a necessary bug fix that unavoidably changed the structure of the data being serialized.

This means that:

1. Client applications built using the JBoss Rules engine libraries from the 5.0.0 release are unable to use resources being served from a JBoss Enterprise BRMS Platform server of version 5.0.1 or later.
2. Client applications built using the JBoss Rules engine libraries from the 5.0.1 and later releases are unable to use resources being served from a JBoss Enterprise BRMS Platform 5.0.0 server.

8. ISSUES RESOLVED IN THE 5.0.2 RELEASE

The following issues were resolved for the 5.0.2 release of the JBoss Enterprise BRMS platform.

This release also contains the fixes from the 5.0.1 release. Refer to the documentation for that release for details.

<https://jira.jboss.org/jira/browse/BRMS-233>

Several screenshots in the BRMS User Guide were not updated to reflect the current user interface. These images and the accompanying text have been updated.

<https://jira.jboss.org/jira/browse/BRMS-240>

Some log messages where always being displayed in the console although the **log4j** configuration specified otherwise. This was because those messages where being displayed using **System.out.println()** statements instead of the **log4j** logging service. These statements have been replaced with calls to **log4j** methods and the messages are now displayed according to the **log4j** configuration.

<https://jira.jboss.org/jira/browse/BRMS-262>

A new section (2.7) has been added to the BRMS User Guide to provide some guidance on alternative logging configurations.

<https://jira.jboss.org/jira/browse/JBRULES-2117>

A thread that called the method **fireAllRules()** would be blocked if another thread was already running **fireUntilHalt()**. The threading behavior of the **fireAllRules()** and **fireUntilHalt()** methods have been updated to prevent this occurring.

<https://jira.jboss.org/jira/browse/JBRULES-2280>

The Japanese (ja-JP) localization of the web user interface has been updated with many improvements.

<https://jira.jboss.org/jira/browse/JBRULES-2369>

A rule in the following scenario would only fire once:

- the rule had multiple patterns with no constraints,
- the rule had a **modify()** call in the consequence,

- and an **update()** or **modify()** call was made from another rule on one of the facts that matched one of the patterns of this rule.

This occurred because the dormant activations counter became unsynchronized when the call to **modify()** or **update()** was made. This has been fixed, the dormant activations counter now reports the correct value in this scenario and these rules now fire correctly.

<https://jira.jboss.org/jira/browse/GUVNOR-279>

The **UUID** and **name** columns of the archived assets detail list were not displaying the correct header labels in the user interface. No text appeared in the headers for these columns if they were enabled, and the header pulldown menu displayed the text "undefined" for those items. The correct labels have been added for both the menu and column heading and they now appear as expected.

<https://jira.jboss.org/jira/browse/GUVNOR-280>

The **UUID** and **name** columns of the assets detail list were not displaying the correct header labels in the user interface. No text appeared in the headers for these columns if they were enabled, and the header pulldown menu displayed the text "undefined" for those items. The correct labels have been added for both the menu and column heading and they now appear as expected.

<https://jira.jboss.org/jira/browse/GUVNOR-297>

Several minor typographical errors were displayed in the BRMS web user interface. These errors were in the file **Constants.properties**. This file has been updated and the correct text is now displayed.

<https://jira.jboss.org/jira/browse/GUVNOR-305>

When using Internet Explorer 7, the "Refreshing item" dialog did not automatically close when archiving assets. This gave the impression that the archiving process did not complete. The dialog was updating the displayed meta-data for the asset and was not necessary. This dialog has been removed.

<https://jira.jboss.org/jira/browse/GUVNOR-306>

Enumerations that used external functions would cause a NULL Pointer exception to be thrown in the guided editor. This has been fixed and these enumerations now work as expected.

<https://jira.jboss.org/jira/browse/GUVNOR-314>

In some circumstances the date picker components of the Find screen where not displaying correctly. These components have been replaced with a different date picker component and they now display correctly.

<https://jira.jboss.org/jira/browse/GUVNOR-321>

Adding or changing values for an enumeration in the guided editor would cause all the other editor fields to reload. To reduce unnecessary reloading and make the presentation of the editor clearer, the rule being edited is now presented as plain text and the editing controls are only shown when the text is clicked on.

<https://jira.jboss.org/jira/browse/GUVNOR-364>

When a class from a model was used in the expect condition of a test scenario and the model was later removed, opening the test scenario would cause the editor to throw a Null Pointer Exception. The editor now checks for NULL so the test scenario can be opened to remove the null item.

<https://jira.jboss.org/jira/browse/GUVNOR-374>

DSL Boolean rules were only saving the value of **true** when used in the guided editor. This has been fixed and now saves the correct value for the selection.

<https://jira.jboss.org/jira/browse/GUVNOR-377>

Test scenarios that contained method calls to List globals (**java.util.List**) would fail to run, and would instead display an error dialog. This has been fixed and these method calls now work as expected.

<https://jira.jboss.org/jira/browse/GUVNOR-378>

The **Remove this block of data** button did not work when removing a global from a test scenario. This button is displayed in the dialog box that appears when you select a global in the guided editor. This has been fixed and the button now removes the global as expected.

<https://jira.jboss.org/jira/browse/GUVNOR-393>

The **CheckBoxDslRule** rule in the **Mortages** sample repository was empty. This was because checkboxes are no longer supported. This rule has been removed from the sample repository.

<https://jira.jboss.org/jira/browse/GUVNOR-453>

After a model JAR had been uploaded to a package, any subsequently uploaded model JAR to the same package was not having its imported types added to the package. This has been fixed and now all uploaded model JARs have their imported types added automatically.

9. KNOWN ISSUES IN THIS RELEASE

The following issues are known to exist in this version of the JBoss Enterprise BRMS Platform and will be fixed in a subsequent release.

<https://jira.jboss.org/jira/browse/BRMS-117>

The BRMS workspace grants full trust to users logged in to the BRMS Platform. It is recommended that you isolate the Application Server instance where the BRMS Platform is deployed from other production servers.

The following security precautions allow you to work with the BRMS Platform full trust model without impairing your production environment:

- Install the BRMS Platform server on a non-production EAP instance without co-located applications
- Install the BRMS server in a non-production trust zone, with the trust level of an employee workstation.
- Define least-privilege permissions for the database user account being used for the BRMS database.
- Define least-privilege permissions for the JVM process running the BRMS Platform server at the OS level.

<https://jira.jboss.org/jira/browse/BRMS-222>

The JBoss Enterprise BRMS Platform logs several errors if it is deployed to the **default** server configuration of JBoss EAP. This does not seem to have any functional impact.

<https://jira.jboss.org/jira/browse/BRMS-102>

Version history is not cleared when importing a repository

<https://jira.jboss.org/jira/browse/BRMS-56>

Some of the BRMS APIs are considered experimental. Those interfaces that are likely to change in future releases are clearly documented in the BRMS Platform API JavaDocs and are listed below by package.

org.drools.runtime.help

BatchExecutionHelperProvider	
-------------------------------------	--

org.drools.marshalling

MarshallerProvider	
---------------------------	--

org.drools.runtime.pipeline

Action	CorePipelineProvider
Emitter	Expression
JaxbTransformerProvider	JmsMessengerProvider
Join	JxlsTransformerProvider
KnowledgeRuntimeCommand	Pipeline
Receiver	ResultHandler
ResultHandlerFactory	Service
ServiceExceptionHandler	SmooksTransformerProvider
Splitter	Stage
StageExceptionHandler	StatefulKnowledgeSessionPipelineContext
Transformer	StatelessKnowledgeSessionPipelineContext
XStreamTransformerProvider	

<https://jira.jboss.org/jira/browse/BRMS-43>

Imported rules have their Creation Date set to the date of import.

<https://jira.jboss.org/jira/browse/BRMS-19>

Hot-deployment of **jboss-brms.war** is not supported.

<https://jira.jboss.org/jira/browse/BRMS-6>

Odd UI behavior when creating or copying snapshots.

<https://jira.jboss.org/jira/browse/BRMS-11>

After importing model.jar/fact classes to a package, the imported types do not appear in the UI until the package is reselected

<https://jira.jboss.org/jira/browse/BRMS-58>

Input fields lose focus when creating a DT via guided editor

<https://jira.jboss.org/jira/browse/BRMS-64>

User prompts in the UI are inconsistency implemented. Some are javascript alerts, some are produced using DHTML

<https://jira.jboss.org/jira/browse/BRMS-69>

Sample rules contain an unused archived package named "somethingelse"

<https://jira.jboss.org/jira/browse/BRMS-72>

User is presented with dialogs that include an enabled OK button in situations where it isn't value and no error is raised when it is clicked.

<https://jira.jboss.org/jira/browse/BRMS-73>

Package description text box should be multi-line and scrollable

<https://jira.jboss.org/jira/browse/BRMS-76>

In the UI, packages are referred to as both "packages" and "knowledge bases"

<https://jira.jboss.org/jira/browse/BRMS-77>

Usage of 'cancel' buttons is inconsistent in the UI

<https://jira.jboss.org/jira/browse/BRMS-85>

BRMS logs DEBUG messages at INFO level when creating a new package

<https://jira.jboss.org/jira/browse/BRMS-86>

BRMS logs package creation, but not package archiving or deletion

<https://jira.jboss.org/jira/browse/BRMS-87>

Event log UI includes an "undefined" column

<https://jira.jboss.org/jira/browse/BRMS-90>

Sorting the log in ascending order in the Log viewer appears to display an empty log

<https://jira.jboss.org/jira/browse/BRMS-91>

Log viewer has a fixed horizontal size regardless of the browser size. Users are required to scroll horizontally to read the logs

<https://jira.jboss.org/jira/browse/BRMS-93>

Error dialogs can overlap and conceal each other from the user.

<https://jira.jboss.org/jira/browse/BRMS-94>

Event log truncates display to 255 most recent entries

<https://jira.jboss.org/jira/browse/BRMS-95>

Event log does not displays adequate information for errors

<https://jira.jboss.org/jira/browse/BRMS-96>

Archived assets table includes "undefined" column that displays asset UUID

<https://jira.jboss.org/jira/browse/BRMS-98>

When exporting a repository, messages are logged as ERROR instead of DEBUG or INFO

<https://jira.jboss.org/jira/browse/BRMS-100>

Creating new assets such as RulesFlow can generate ugly but non-fatal error

<https://jira.jboss.org/jira/browse/BRMS-111>

Halting the Application Server JVM during package import leaves a corrupted package in the repository that you cannot remove

<https://jira.jboss.org/jira/browse/BRMS-113>

Issues with multiple concurrent users working with the same Packages

<https://jira.jboss.org/jira/browse/BRMS-114>

When editing a DSL Rule, one of the tool-tips specifies a unsupported key combination.

<https://jira.jboss.org/jira/browse/BRMS-124>

Sample decision table shipped with BRMS

<https://jira.jboss.org/jira/browse/BRMS-126>

Cache files in **jboss-brms.war**

<https://jira.jboss.org/jira/browse/BRMS-127>

If a new user is created in the BRMS Permissions UI with the same name as an existing user, the existing user is overwritten without displaying a warning or error

A. REVISION HISTORY

Revision 5.0.2-5.400	2013-10-31	Rüdiger Landmann
Rebuild with publican 4.0.0		
Revision 5.0.2-5	2012-07-18	Anthony Towns
Rebuild for Publican 3.0		
Revision 1-0	Wed May 5 2010	Darrin Mison
Created for the 5.0.2 Release.		