



Red Hat JBoss BRMS 6.2

6.2.0 Release Notes

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Abstract

Release notes for Red Hat JBoss BRMS 6.2.0.

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CHAPTER 1. INTRODUCTION

1.1. ABOUT RED HAT JBOSS BRMS

Red Hat JBoss BRMS is an open source decision management platform that combines Business Rules Management and Complex Event Processing. It automates business decisions and makes that logic available to the entire business.

Red Hat JBoss BRMS uses a centralized repository where all resources are stored. This ensures consistency, transparency, and the ability to audit across the business. Business users can modify business logic without requiring assistance from IT personnel.

Red Hat JBoss BRMS is supported for use with Red Hat Enterprise Linux 7 (RHEL7) .

1.2. WHAT'S NEW IN RED HAT JBOSS BRMS 6.2



NOTE

As of version 6.2, Red Hat JBoss BRMS no longer supports Internet Explorer 10.

Red Hat JBoss BRMS 6.2 is a minor release over the previous version of 6.1. It brings support for deployment provisioning governance, case management, and several other enhancements.

JBoss BRMS 6.2 includes OpenShift-ready process and decision servers. However, the Business Central is not supported for OpenShift in JBoss BRMS 6.2. The xPaaS products will be provided only after full capabilities of JBoss BRMS are available for OpenShift.

The following features are new and noteworthy in this release:

- Enhanced validation and verification of decision tables. The decision tables are now validated as and when the value of each cell changes. The validation and verification checks include:
 - Redundancy
 - Subsumption
 - Conflicts
 - Missing Columns

For details, see [Verification and Validation of Decision Tables](#) .

- A new locking mechanism has been introduced in Business Central to avoid conflicts when editing assets. This ensures that only one user at a time can edit an asset. An asset is automatically locked when a user opens it to edit and the lock is released as soon as the user saves or closes the asset. The feature also allows you to force unlock a locked asset if you want to edit a file locked by another user. For details, see [Asset locking Support](#).
- The JBoss BRMS configurations, persistence, and advanced configurations are now moved into tool windows in Business Central. These advanced configurations in tool windows provide context aware screens. Each screen contains a domain editor that manages a set of related Data Object parameters. For details, see [Data Modeler](#).

- Data modeler is extended to support the generation of persistable Data Objects. The persistable Data Objects are based on the JPA specification and all the underlying metadata are automatically generated. For details, see [Data Modeler](#).
- Business Central now offers a new perspective for authoring data set definitions. Data set definitions make it possible to retrieve data from external systems like databases, CSV/Excel files or even use a Java class to generate the data. Once the data is available, it can be used to create charts and dashboards from the Perspective Editor.
- The DRL Editor has been enhanced from a plain TextArea to using ACE Editor and a custom DRL syntax highlighter.
- A new KIE Navigator view has been added to the Eclipse Tooling. This view can be used to manage KIE server installations and projects.

CHAPTER 2. KNOWN ISSUES

These are the known issues for Red Hat JBoss BRMS 6.2.

KIE server controller fails on WebLogic when connecting to KIE server [[BZ#1266174](#)]

When deployed on Oracle WebLogic along with BRMS Business Central, the KIE server fails to connect to the KIE server controller during startup. A `NameNotFoundException` is thrown, where `com.sun.jersey.config.CDIExtension` is the name being resolved. Calling the KIE server controller directly with a PUT request results in the same error. The workaround is to add the system property
`com.sun.jersey.server.impl.cdi.lookupExtensionInBeanManager=true`.

Different naming conventions for 'aBcde' style fields [[BZ#1257602](#)]

For objects with names that have lowercase first letter and uppercase second letter, when using the guided editor, rule validation results in an error. This is caused by the guided editor expecting the setter method to have both the uppercase first and the second letters. Because only the first letter is capitalized in the setter method, validation fails. There are no workarounds for this issue at this stage.

AssetMgmt: Save button in Promotion task Work tab doesn't work [[BZ#1275625](#)]

While claiming a promotion task during asset promotion in a managed repository, saving intermediate progress causes the contents of the Work tab to be reset—all files previously moved to the Promotion box are moved back to "Files in the branch" box. To avoid this behaviour, do not save intermediate progress during asset promotion.

CHAPTER 3. FIXED ISSUES

These are *some* of the high priority issues fixed in this version of Red Hat JBoss BRMS 6.2, over the previous versions (6.1.x).

3.1. BRMS CORE AND EXECUTION SERVER

Table 3.1. BRMS Core and Execution Server Issues Resolved in Version 6.2

Issue	Description
BZ#1273087	Errors using incremental update of the KieBase and KieSession
BZ#1222829	Rules are not getting fired when JAXB request is sent
BZ#1221491	Missing support for selected Drools command
BZ#1233192	Listeners declared in kmodule.xml are not registered in StatelessKieSession
BZ#1219118	Allow to create a KieBuilder using a specific ClassLoader
BZ#1228098	NPE using no-loop in Sequential Mode
BZ#1259589	Kie-ci sends MavenRequest without considering the repositories defined in user settings file
BZ#1227234	Regression in "forall" operator in Decision Tables
BZ#1248024	Timers are reset during the serialization process
BZ#1144151	[Kie-Camel in Fuse] KieContainer should work by Classloader scope instead of JVM scope
BZ#1233976	Operators on java.lang.Comparable object doesn't work if JIT is enable
BZ#1265773	@Timestamp and @Expires Java annotations don't work
BZ#1258880	Remove @XmlElement annotation on top of KieServerCommand
BZ#1275378	Missing new drl file after calling KieScanner.scanNow
BZ#1222843	JSON request are not supported in /containers/{id}
BZ#1228313	NPE when there's a shared segment in Sequential Mode
BZ#1253162	ClassCastException when kcontainer.updateToVersion() with sliding window rule running
BZ#1253575	Drools nested date comparison expressions with OR condition

Issue	Description
BZ#1254528	ClassCastException when kcontainer.updateToVersion() with sliding window rule running (with fix for DROOLS-881 and DROOLS-883)
BZ#1254404	Deadlock with kcontainer.updateToVersion() under load
BZ#1251826	NoSuchMethodError on JIT Compilation of non-primitive comparison
BZ#1227866	Incremental compilation doesn't work with extended rules
BZ#1242010	Rule Templates do not completely ignore single commented lines which are invalid
BZ#1263495	Memory leak when deleting a tuple from an unlinked segment
BZ#1271534	drools-compiler fails to report error for invalid rule with field binding
BZ#1271909	ActivationLogEvent does not contain information about a bind variable which is not used in the rule
BZ#1222866	Container does not survive server restart
BZ#1278059	String.compareTo() in jitted constraint does not work correctly on Weblogic

3.2. WORKBENCH AND DESIGNER

Table 3.2. WorkBench and Designer Issues Resolved in Version 6.2

Issue	Description
BZ#1271898	Changes while one node is down are not replicated after the node reboot
BZ#1197994	Test Scenario: Imports added after the scenario has been ran are forgotten
BZ#1234640	Guided Rule Editor: String fields with double slashes changes the editor
BZ#1217871	Non existing imports in "rdrl" files prevents the rule to be opened in Business Central
BZ#1265471	Can't restore version of a process
BZ#1249077	Guided Editor rewrites method call in RHS to a setter call
BZ#1264339	Guided rule editor: List contains condition missing bound value on re-opening guided rule
BZ#1257817	Rules are not populated in dropdown list in Test Scenarios in BRMS 6.1

Issue	Description
BZ#1264321	Guided rule editor: replace or replaceAll condition parameters on a String missing on reopening a guided rule
BZ#1203696	Access restrictions to assets does not work with custom roles
BZ#1218812	Short params syntax(\$1, \$2...) in decision tables does not work with more than 10 values (\$10, \$11....)
BZ#1246099	Guided Rule editor does not seem to reload "eval()" functions correctly while used inside the constraint of a fact
BZ#1251017	Having added consecutive restrictions on fields with "java.util.Date" type in Guided Rule causes the browser to hang when choosing "Literal value"
BZ#1256625	Conversion of XLS to GDT fails when date-effective and date-expires are included
BZ#1208756	LRUProjectDataModelOracleCache ERROR xxx/xxx/XXX
BZ#1256623	Not possible to convert XLS table to GDT with blank cells
BZ#1269368	Search function does not work correctly against assets which name has multibytes characters
BZ#1230306	Guided Rule Editor does not dynamically load enumeration values from method calls where input comes from previous drop-down selection
BZ#1251358	Skipping unlock when RuntimeException is thrown in AbstractIOService.endBatch()
BZ#1263118	"Repository View" doesn't remember the last visited place
BZ#1269366	Indexing DRL related files logs null error instead of real cause
BZ#1265901	NullPointerException with kie-config-cli.sh after migration from 6.1.0 to 6.1.2
BZ#1269333	Result of searching assets by business-central includes duplicate records
BZ#1213780	Set ERROR level for ExceptionUtilities.handleException() logging

3.3. MISCELANEOUS

Table 3.3. Miscellaneous Issues Resolved in Version 6.2

Issue	Description
BZ#1219748	Include list of supported commands for Decision Server

Issue	Description
BZ#1214565	Missing CXF in the Red Hat JBoss BRMS 6.1.0 Integration Pack Maven Repository
BZ#1276379	kie-camel does not load rules when installed in JBoss EAP Module
BZ#1267510	Not able to execute rules from guided decision table if we build kjar through mvn command.
BZ#1220983	Please do the certification test when Fuse 6.2 released

CHAPTER 4. ENHANCEMENTS AND FEATURE REQUESTS

These are the customer-reported enhancements and feature requests implemented in in this version of Red Hat JBoss BRMS 6.2.

Table 4.1. WorkBench and Designer Issues Resolved in Version 6.2

Issue	Description
BPMSPL-119	[GSS-RFE] Add taskService.addContent() for Remote API
BPMSPL-171	[GSS-RFE] Add support for git hooks
BPMSPL-177	[GSS-RFE] Enhance BPM installer for EAP
BPMSPL-143	[GSS-RFE] Ability to search by partial CorrelationKey
BPMSPL-174	[GSS-RFE] Please certify BRMS on Oracle RAC
BPMSPL-203	[GSS-RFE] Configurable Build & Deploy Actions in Project Editor
BPMSPL-176	[GSS-RFE] REST task should be able to to parse complex object types
BPMSPL-116	[GSS-RFE] Ability to sort Artifact Repository by "Name" and "Date".
BPMSPL-100	[GSS-RFE] Group assets by category in project explorer for BRMS 6
BPMSPL-187	[GSS-RFE] Customer wants a Official way to control access to the REST API
BPMSPL-102	[GSS-RFE] Improve Multi-User Support for KIE Workbench (Business Central)
BPMSPL-138	[GSS-RFE] Allow tasks search by process ID and user
BPMSPL-141	[GSS-RFE] Ability to upload a pom-packaged artifact to Business Central
BPMSPL-133	[GSS-RFE] Tasklist should be refreshed automatically after certain period of time or when task status is changed
BZ#1181215	Arrows are changed unexpectedly when Node is moved on the canvas
BZ#1235091	Add database upgrade scripts to BPMS distribution
BZ#1273368	building large project multiple times with incremented versionId would consume OldGen heap gradually
BZ#1269605	Add setting to disable background build triggered from Project Explorer
BZ#1130070	CorrelationKey can't be used in AuditLogService queries

Issue	Description
BZ#1066962	Add support for git hooks
BZ#1207326	How to set user task notification through JBDS in jBPM 6?
BZ#1168416	Implement async throwing signal events
BZ#1158511	Configure Datasource through Installer
BZ#1149489	Introduce "scope" attribute for Event
BZ#1258020	Cannot drill down into subprocess from instance view in BPM Suite 6.1.2
BZ#1189365	isExecutable="false" should not be removed from BPMN file by BPMN 2 Diagram Editor
BZ#1193895	Implement alphabetical sorting in Project Explorer
BZ#1200628	Add taskService.addContent() for Remote API
BZ#1199557	B*MS does not accept uploads of CSV format Decision table
BZ#1201900	Task metadata being improperly stored in I18NText database table

APPENDIX A. REVISION HISTORY

Note that revision numbers relate to the edition of this manual, not to version numbers of Red Hat JBoss BRMS.

Revision 6.2.0-6 Updated with latest fixes.	Thu Apr 28 2016	Tomas Radej
Revision 6.2.0-5 Build for release update 2 of JBoss BRMS.	Tue Mar 29 2016	Tomas Radej
Revision 6.2.0-4 Added a note for BZ#1289539 Known Issue.	Wed Dec 16 2015	Vidya Iyengar
Revision 6.2.0-3 Added version to Release Notes.	Fri Dec 4 2015	Tomas Radej
Revision 6.2.0-2 Added revision history, fixed changelog.	Mon Nov 30 2015	Tomas Radej
Revision 6.2.0-1 Initial build for release 6.2.0 of JBoss BRMS.	Mon Nov 30 2015	Tomas Radej