



Red Hat JBoss BPM Suite 6.3

6.3 Release Notes

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Red Content Services

Gemma Sheldon
gsheldon@redhat.com

Klara Kufova
kkufova@redhat.com

Marek Czernek
mczernek@redhat.com

Tomas Radej
tradej@redhat.com

Vidya Iyengar
viyengar@redhat.com

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Abstract

Release notes for Red Hat JBoss BPM Suite 6.3.

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CHAPTER 1. INTRODUCTION

1.1. ABOUT RED HAT JBOSS BPM SUITE

Red Hat JBoss BPM Suite is an open source business process management suite that combines Business Process Management and Business Rules Management and enables business and IT users to create, manage, validate, and deploy Business Processes and Rules.

Red Hat JBoss BRMS and Red Hat JBoss BPM Suite use 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 and business processes without requiring assistance from IT personnel.

To accommodate Business Rules component, Red Hat JBoss BPM Suite includes integrated Red Hat JBoss BRMS.

The list of supported configurations for Red Hat JBoss BPM Suite is available at the [Red Hat Customer Portal](#).

1.2. WHAT IS NEW IN RED HAT JBOSS BPM SUITE 6.3

Red Hat JBoss BPM Suite 6.3 is a minor release over the previous version 6.2. Noteworthy new features and improvements in this release are described below.

1.2.1. User Interface Improvements

- The Process Dashboard in Red Hat JBoss BPM Suite Dashbuilder has been significantly rewritten in version 6.3. It is now based on a native perspective as opposed to a separate web application, which, aside from generally improved user experience, gives you the ability to navigate directly from graphical indicators to related processes or task instances, and monitor them.
- The Intelligent Process Server user interface in Red Hat JBoss BPM Suite Business Central has been overhauled in this version, which makes creation and management of containers easier and more user friendly. For more information, see the [Intelligent Process Server](#) chapter of the *Red Hat JBoss BPM Suite 6.3 User Guide*.
- Styling and consistency was improved in Red Hat JBoss BPM Suite 6.3 throughout Business Central based on UI design principles and recommendations provided by the [PatternFly](#) project. The user experience is now more pleasant and smooth, and you can navigate Business Central quicker and with less effort. From the functional perspective, the interface remains mostly unchanged. Highlighted improvements are, among others, adjustable modal windows with more fitting default sizes, reorganized menus, and more.

1.2.2. Core

- In Red Hat JBoss BPM Suite 6.3, it is now possible to filter Human Tasks in Business Central based on business data. You can create a specific filter in the UI that selects only Tasks whose specific column contains desired values. The filter is then displayed as a separate tab in the Tasks List view. For more information, see the [Creating Custom Task Filters](#) chapter of the *Red Hat JBoss BPM Suite 6.3 User Guide*

- Human Task Management in Red Hat JBoss BPM Suite 6.3 is improved with the ability of advanced search queries using QueryService, a service based on Dashbuilder Datasets. You can now query data using—among others—JPA entity tables, custom database tables, and more. For more information, see the [Advanced Queries with QueryService](#) chapter of the *Red Hat JBoss BPM Suite 6.3 Development Guide*.

1.2.3. Business Resource Planner

- Red Hat JBoss Business Resource Planner now allows you to configure your Solver and other assets from Business Central. You can create Solvers, include DRL rules and other assets in your Business Resource Planner project, and model planning entities and planning solutions. For more information, see the [Solver Configuration in Business Central](#) chapter of the *Red Hat JBoss Business Resource Planner Guide*
- The Red Hat JBoss BPM Suite installer now includes the options to enable or disable the Red Hat JBoss Business Resource planner Intelligent Process Server during the installation process. The Red Hat JBoss Business Resource Planner Intelligent Process Server can now be controlled through the REST API. There is a number of new endpoints that support both XML and JSON responses. You can now create, control, and regulate your Solver through the REST API. For more information, see the [Intelligent Process Server Functionality](#) chapter of the *Red Hat JBoss Business Resource Planner Guide*.
- General usability of the Red Hat JBoss Business Resource Planner has been greatly enhanced. JPA/Hibernate support for each Score subclass has been added to make persistently storing score results easier. The **SolverFactory** class has a new method used for cloning, so configuring multiple Solvers dynamically does not require parsing the XML configuration file multiple times. Additionally, you can now use the **features.xml** file when working in an OSGi environment.

1.2.4. Integration and Miscellaneous

- Starting from version 6.3, Red Hat JBoss BPM Suite supports integration with Red Hat Single Sign-On (RH-SSO) through an authentication connector. That means you can use RH-SSO for identity management in Red Hat JBoss BPM Suite, and for securing all of Business Central, Intelligent Process Server, and third party clients. For more information on the integration, see the [Integrating Red Hat JBoss BPM Suite with Red Hat Single Sign-On](#) chapter of the *Red Hat JBoss BPM Suite Administration And Configuration Guide*. For more information on RH-SSO, see the [RH-SSO Getting Started Guide](#).
- Red Hat JBoss BPM Suite is now certified to work with MariaDB version 10.0.
- Red Hat JBoss BPM Suite is now certified to work with Microsoft SQL Server 2014.
- Starting from version 6.3, Red Hat JBoss BPM Suite is available in two new localizations: Russian and Traditional Chinese. Please be advised that Dashbuilder does *not* support Traditional Chinese.

CHAPTER 2. KNOWN ISSUES

These are the known issues for Red Hat JBoss BPM Suite 6.3:

Race condition with multiple job executor threads on Oracle [RHBPMS-1116]

When using the `AsyncWorkItemHandler` class with Oracle Database, a job can be picked up by two threads if the thread pool is larger than one. For queries which use `rownum +` for update, Hibernate breaks the query in two. This allows for the same job being processed by different `AvailableJobsExecutor` threads. To work around the issue, use custom dialect `Oracle10gDialect` that disables follow on locking and allows you to configure initial delay of executor work threads so they are not firing at exactly the same time.

dashbuilder: Static data set definitions in WEB-INF/datasets dir not loaded on JWS3 (tomcat 8) [RHBPMS-850]

When you deploy Business Central on Red Hat JBoss Web Server 3, static Dashbuilder dataset definitions placed in the `WEB-INF/datasets` directory are not loaded. There is currently no workaround. Note that the ability to create dataset definitions in the Dataset editor (**Extensions** → **Data Sets**) is not affected.

Deployment of the kie artifacts (or kjar) using FluentKieModuleDeploymentHelper deploys only to local .m2 repository only [RHBRMS-1928]

Deploying KIE artifacts or kJARs using the `FluentModuleDeploymentHelper` class is not possible to remote Maven repositories, only to the local Maven repository (.m2). There is currently no workaround.

Tag filtering slows down performance of the Authoring perspective considerably [RHBRMS-2253]

Enabling tag filtering in Business Central's **Authoring** perspective results in degraded performance and can severely impact the operation of Project Explorer for large projects. There is currently no workaround.

It is not possible to create Business Process on Windows server with i18n Business Process names [RHBPMS-2000]

Due to a wrong file encoding, it is impossible to create assets with i18n names (for example 日本語 or Русский) when running Red Hat JBoss BPM Suite on Windows. To work around the issue, set the file encoding of your application server to UTF8, for example:

```
set "JAVA_OPTS=-Dfile.encoding=UTF-8 -Dprogram.name=%PROGNAME%
%JAVA_OPTS%"
```

in the Red Hat JBoss EAP `standalone.bat` within the `:Main` label.

kie-aries-blueprint does not define ksession-ref and kbase-ref elements in XSD [RHBRMS-2322]

The elements `<ksession-ref>` and `<kbase-ref>` can not be used with KIE-Aries-Blueprint, because they are only partially implemented, and are not defined in `kie-aries-blueprint.xsd`. These elements are used for declaring Blueprint beans for `KieSession` or `KieBase` from a kJAR with a given `ReleaseId`. Their usage currently results in Blueprint rejecting the given XML. To work around the problem, declare a bean for `KieContainer`, and use that for creating `KieSession` or `KieBase` beans manually as follows:

```
<kie:kcontainer-ref id="kjar-kcontainer" releaseId="kjar-gav" />
```

```
<bean id="kieSessionBean"
      factory-ref="kjar-kcontainer"
      factory-method="newKieSession"
      destroy-method="dispose">
  <argument value="kieSessionName"/>
</bean>
```

OptaPlanner Kie server: Cannot marshall best solution score [[RHBRMS-1399](#)]

The Realtime Decision Server is unable to correctly marshall the score of Business Resource Planner's best solution. The best solution's score is incorrectly unmarshalled—The response contains an empty score or a score with the default value. The affected marshalling formats are JAXB (the functionality is entirely unavailable) and JSON (the only unmarshallable classes are **BendableLongScore**, **BendableBigDecimalScore**, and **BendableScore**). The XSTREAM format is not affected. There is currently no workaround.

CHAPTER 3. FIXED ISSUES

These are *some* of the high priority issues fixed in version 6.3 of Red Hat JBoss BPM Suite, sorted by components.

3.1. USER INTERFACE

Table 3.1. BAM, Business Central, and Designer Issues Resolved in Version 6.3

Issue	Description
RHBPM-1803	Once designer in business-central saves bpmn2 file which uses l18n for an annotation name, those characters are garbled
RHBPM-566	Error : no viable alternative at character '\'
RHBPM-1069	A kjar dependency which contains interface java classes fails to build with "JAXB can't handle interfaces."
RHBPM-977	Missing documentation for embedding business-central
RHBPM-2020	Search field does not find assets with single word name
RHBPM-1380	Unable to export PNG diagram when Lane name includes '&'
RHBPM-1562	Error registering Work Item Handler that receives no parameter
RHBPM-1676	Designer does not allow line breaks in many component
RHBPM-1204	Intermediate Events lost the DataInput/Output types when you close the process
RHBPM-583	Table name case does not match leading to issue with MySQL Database in Unix systems
RHBRMS-243	git ssh issues with ssh-dss
RHBPM-2044	Dashbuilder - Filter properties selected on a filter form are not used in the filtering if data provider is based on "SQL query"
RHBPM-654	Process Designer does not manage Intermediate CompensateEvent
RHBRMS-476	Opening a repository takes a long time in BRMS 6.2
RHBRMS-2108	Business Central Repo Clone Fails To Clone SCP Style SSH URLs
RHBPM-565	Not possible to export process PDF when '&' is included in Task Name

Issue	Description
RHBPM-484	Column values are deleted after changing the operator in a Guided Decision Table
RHBRMS-1718	GDT: Editor is not displayed if operation 'is contained in the (comma separated) list' is selected
RHBRMS-365	Cannot find KieModule with LATEST
RHBRMS-1285	Unable to automatically create further branches in Managed Git Repository for BRMS 6.2
RHBPM-1447	SQL Exception when trying to view process instances in Business Central Console
RHBRMS-130	When converting .xls to GDT, globals defined with short class names are converted to invalid Globals file
RHBPM-1938	6.2.0: Remote java API: cannot get tasks assigned to different users
RHBRMS-435	BxMS6.2.0 Full Text search returns only 10 results even if it hits more than 10
RHBPM-1514	process model image shows the node in waiting status grey instead of red after sending a signal event
RHBPM-91	unable to delegate any tasks as Business Administrator on Business Central
RHBPM-1910	File in "dummy" repository is added to user Inbox when access a process model
RHBPM-884	Default Tasks List filters doesn't keep up with user's roles changes
RHBRMS-611	AsyncWatchService dies when a RuntimeException is thrown from IOWatchServiceExecutorImpl.execute()
RHBPM-1770	6.2.2 unable to open/edit some assets with specific user

3.2. CORE

Table 3.2. BRE and Core Issues Resolved in Version 6.3

Issue	Description
RHBPM-747	Cannot use Task Comment longer than 256 characters
RHBPM-1579	Serialization problems on websphere as a result of BZ-1299549

Issue	Description
RHBPM-33	Marshalling error accessing remote EJB services app with Sybase DB
RHBRMS-1885	Include list of supported commands for Decision Server
RHBPM-36	Unable to enable debug logging to javax.mail when using EmailWorkItemHandler in BPM Suite 6.1
RHBPM-476	JbpmJUnitBaseTestCase.assertNodeActive() throws "java.lang.RuntimeException: Process instance XXX is disconnected." in sessionPersistence test
RHBPM-713	auto claim is performed even though multiple actors are specified in HT within swimlane
RHBPM-139	TaskService.complete() throws NullPointerException without a meaningful message when a RuntimeManager with the deploymentId is not registered
RHBPM-1485	TaskService.getTasksAssignedAsBusinessAdministrator() doesn't respect Groups of a User
RHBRMS-271	ArrayIndexOutOfBoundsException attempting to remove a rule containing a OR
RHBRMS-1108	Error jitting a compareTo constraint
RHBRMS-171	Decision server should not return NullPointerException when a JSON is invalid
RHBRMS-1217	NPE deleting an expired event in equality mode
RHBPM-1510	Missing database indexes - I18NText.Notification_Names_Id, BAMTaskSummary.OPTLOCK
RHBRMS-1909	Drools execution stuck due to infinite loop
RHBRMS-1318	IllegalAnnotationsException "JAXB can't handle interfaces." in kie-server
RHBRMS-1611	NPE removing a rule that contains a subnetwork
RHBRMS-255	Parsing of a complex constraint with an causes a RuntimeException
RHBPM-918	NPE exception is thrown when using jbpm kie ProcessService to issue signal event
RHBRMS-972	Kie-scanner fails to update kiebase if a modified rule makes reference to a global defined in a .gdrl file.

Issue	Description
RHBPMs-1992	Can't signal sub process when using the EJB API
RHBPMs-1151	LinkageError in org.mvel2.ParserConfiguration
RHBRMS-286	"NotSerializableException: org.drools.core.common.DefaultFactHandle" on EvaluatorWrapper while deepClone
RHBPMs-686	Rules are not firing as expected in BusinessRulesTask
RHBRMS-360	Cached modificationMask in property reactivity is correctly retrieved but not set into the propagation context
RHBRMS-1578	ClassCastException on classes with the same FQCN after incremental build
RHBRMS-1026	ServerImpl cannot be cast to KieServerInstance after migration from 6.1 to 6.2
RHBRMS-463	fix reteoo intialization via system property
RHBPMs-1507	Timers serialization not working with huge ids in BPM Suite
RHBPMs-1719	Duplicated process instances running a process with a multi-instance sub-process

3.3. INTEGRATION

Table 3.3. Fuse Integration Issues Resolved in Version 6.3

Issue	Description
RHBRMS-1817	kie-aries-blueprint project fails to deploy if blueprint cm property-placeholder is used in blueprint
RHBRMS-605	drools-workbench-models-guided-dtable missing from drools-karaf-features and not OSGi packaged
RHBRMS-2310	Drools Service Dependency in Fuse fabric
RHBPMs-524	Integration of KJAR Artifact Resolution with Profiles and Fabric Maven Proxy

3.4. BUSINESS RESOURCE PLANNER

Table 3.4. Business Resource Planner Issues Resolved in Version 6.3

Issue	Description
PLANNER-259	Long benchmarker with many statistics go out of memory because statistic pointList survive untill the end of the benchmark
PLANNER-362	Nearby Selection on VRP with 10k+ locations grabs a lot of memory for Local Search
PLANNER-382	Nearby selection on SwapMoveSelector crashes if the entityselector doesn't explicitly state the entity class
PLANNER-384	optaplanner-webexamples vehicle routing on EAP doesn't work
PLANNER-391	Benchmark report: Solver configurations with uninitialized single benchmark results are ranked better than they should be
PLANNER-420	SwingUI's score in examples doesn't get updated after manual move (regression)
PLANNER-427	Single statistics fail when parallelBenchmarkCount is bigger than the number of solvers
PLANNER-435	Workbench: Data modeler's planning solution should implement Solution interface
PLANNER-450	XStream support BendableScore doesn't marshall to the scoreString
PLANNER-454	HardSoftBigDecimalScore and SimpleBigDecimalScore's toLevelNumbers() should return BigDecimals, not Doubles.
PLANNER-466	Workbench: Solver config editor's call to build a SolverFactory should pass the ProjectClassLoader as ClassLoader
PLANNER-469	Possible performance issue after PLANNER-252
PLANNER-471	VariableListenerSupport.beforeVariableChanged() is severely slower (from CR1 to CR2) due to SortedMap usage
PLANNER-472	VariableListenerSupport.beforeVariableChanged() is severely slower (from CR1 to CR2) due to HashSet.add() usage
PLANNER-473	Benchmark report: Best score problem statistic with subSingleCount mixes median and average score
PLANNER-479	TailChainSwapMove's reverseChain() seems to cause a performance loss since 6.3.0.CR1
PLANNER-487	Wrong text in IllegalArgumentException in ScoreDirectorFactoryConfig

Issue	Description
PLANNER-490	4 or more shadow variables might trigger cyclic source dependencies exception when that's not the case
PLANNER-497	Benchmark report: PickedMoveType statistics don't work in the benchmark report any more (regression)
PLANNER-500	VRP example with with time windows in FULL_ASSERT mode throws VariableListener corruption
PLANNER-502	NQueensXStreamXmlPlannerBenchmarkFactoryTest fails on Windows
PLANNER-512	Optaplanner Workbench: button to create a new file disappeared
PLANNER-515	Default cloner doesn't cloneMap() when an element of a Collection or a Map is a Map.
PLANNER-519	Race condition with Solver.getBestSolution()
PLANNER-522	scanAnnotatedClasses is not compatible with non-default ClassLoader or KieContainer because it doesn't take it into account
PLANNER-528	Workbench: solver configuration screen is visible for users without plannermgmt role
PLANNER-531	Workbench: Solver Editor: No error is displayed when stateless kiesession is used
PLANNER-533	Optaplanner should find defaultKieSession even if it not defined in kmodule.xml
PLANNER-538	PlanningSolution annotation cannot be found when solver is built from kjar because scanAnnotatedClasses with a classloader without packageIncludes does not work well
PLANNER-550	NPE in SwapMove due to null selection in SwapMoveSelector
PLANNER-557	Exe server: starting the same solver a second time (for a differen problem) should not return the best solution from the first run
PLANNER-560	The score of the bestSolution is set before it is (fully) initialized, but from Solver.getBestSolution() it's not detectable that it's not yet initialized

3.5. MISCELLANEOUS

Table 3.5. Configuration, Installer, and Eclipse Tooling Issues Resolved in Version 6.3

Issue	Description
RHBPM-1022	Boundary event should not be attached to Script Task in JBDS for jBPM
RHBPM-429	Multiple "None StartEvent"s should be validated by BPMN2 editor in JBDS
RHBPM-1896	BRMS 6.2 installer fails on specific OS/JDK combinations
RHBPM-1952	Not possible to add metadata entry
RHBPM-39	SSH timeout value hard-coded for git server
RHBPM-1487	Java.lang.OutOfMemoryError: Java Heap Space during Installation thrown
RHBPM-552	Migration tool (JCR-to-VFS) generate malformed rules

CHAPTER 4. ENHANCEMENTS AND FEATURE REQUESTS

These are the customer-reported enhancements and feature requests implemented in version 6.3 of Red Hat JBoss BPM Suite.

Table 4.1. Red Hat JBoss BPM Suite Enhancements and Feature Requests Implemented in Version 6.3

Issue	Description
BPMSPL-121	[GSS-RFE] Resetting timer cycle in a running workflow process
BPMSPL-172	[GSS-RFE] Allow users to register custom EscalatedDeadlineHandler like it was possible in jBPM5
BPMSPL-251	[GSS-RFE] need settings to disable background build when opening Project Authoring
BPMSPL-252	[GSS-RFE] ability to check duplicate of ReleaseId(GroupId,ArtifactId and Version) with existing projects
BPMSPL-254	[GSS-RFE] Migration tool for a new Product version
BPMSPL-270	[GSS-RFE] BPMS suite certification on Microsoft SQL Server 2014
RHRMS-2185	Import suggestions should act as a mask for imports
RHBPM-482	A project which contains interface java classes fails to build with "JAXB can't handle interfaces."
RHBPM-1592	Arrows are changed unexpectedly when Node is moved on the canvas
RHBPM-2046	Global Variable Details Data Type Attribute should be validated before running the process in BPMN 2 Diagram Editor
RHBPM-1628	ability to check duplicate of ReleaseId(GroupId,ArtifactId and Version) with existing projects
RHBPM-1029	[Drools][Quartz] The number of retries of a failed task are fixed.
RHRMS-2477	[GSS](6.3.z)Allow users to edit project's GAV information in business central Project Editor when it has a parent
RHBPM-3980	[ENG](6.3.z) Kie Server - jBPM UI - process image markers not visible for some nodes
PLANNER-48	Planner Benchmark: warmUp should also use parallelBenchmarkCount to run them on multiple threads

Issue	Description
PLANNER-185	Generic moves for VRP: implement Clarke-Wright, two-opt and three-opt
PLANNER-253	Solver configuration must be able to use KieSession defined in kmodule.xml
PLANNER-286	Docs should link to Drools docs (or BRMS guide in product docs)
PLANNER-314	OptaPlanner Execution Server prototype
PLANNER-344	KContainer support: kie-api wrapper for SolverFactory and Solver so Workbench and Execution Server can treat it like a kjar
PLANNER-390	Benchmark report: Icon for solver configurations that have uninitialized/infeasible single benchmarks
PLANNER-401	Statistical benchmarking: run each single benchmark n times and average the results
PLANNER-402	Determine interrupt philosophy on how to deal with InterruptedException
PLANNER-423	Get rid of the '90s look
PLANNER-431	Migrate UpgradeRecipe from txt to adoc
PLANNER-437	Termination xml: daysSpentLimit and unimprovedDaysSpentLimit support
PLANNER-440	Add optional ClassLoader parameter for PlannerBenchmarkFactory methods (usefull for OSGi)
PLANNER-442	JPA/Hibernate support for each Score subclass, so storing a score in a database is easy
PLANNER-443	Add a reliability tab to summary statistics in benchmarker report
PLANNER-444	Test optaplanner-webexamples with Arquillian on WildFly
PLANNER-445	IP-bom: arquillian, shrinkwrap dependency versions are incompatible with maven and aether versions
PLANNER-447	Xstream support for BendableLongScore and BendableBigDecimalScore
PLANNER-457	SolverFactory.cloneSolverFactory() so configuring getSolverConfig() dynamically per parallel request doesn't require parsing the solver config XML each time
PLANNER-461	Add abstract class AbstractSolution<S extends Score> which implements all Solution methods, so Workbench domain modeler can reuse it

Issue	Description
PLANNER-475	Reproducible statistical benchmarking
PLANNER-476	CalculateCountTermination (usefull for performance benchmarking by QA)
PLANNER-480	ExternalizedSingletonInverseVariableSupply doesn't need to keep a Map of Sets after PLANNER-252
PLANNER-484	Fail fast if value range provider value type doesn't match the planning variable's value type
PLANNER-485	Memory friendly nearby selection by caching only the n nearest entities (optionally adhering to some filter)
PLANNER-489	Avoid getBestSolution() cast by generifying Solver and SolverFactory and return the best solution from solve()
PLANNER-492	Generify ScoreDirector
PLANNER-493	<customPhase> should support parameters in the solver configuration (so it can be tweaked using the benchmarker)
PLANNER-504	Expose SolverFactory in the KIE API so it can be loaded from a KieContainer
PLANNER-505	REST interface spec for OptaPlanner Execution Server
PLANNER-508	Note in documentation that class of CustomScoreDefinition must have no-arg constructor
PLANNER-516	Workbench: Solver config editor needs validate button that builds the Solver.
PLANNER-521	Workbench: add optaplanner annotations domain editor functionality in kie distributions, but masked out by role plannermgmt
PLANNER-523	Workbench: add optaplanner solver editor functionality in kie distributions, but masked out by role plannermgmt
PLANNER-534	Graceful shutdown: if the Solver thread is interrupted, the Solver should terminate early
PLANNER-535	All Score implementations should have a private no-arg constructor
PLANNER-558	Upgrade commons-math3 from 3.2.0 to 3.4.1

APPENDIX A. REVISION HISTORY

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

Revision 6.3.0-17 Rebuilt.	Mon Mar 20 2017	Tomas Radej
Revision 6.3.0-16 Rebuilt.	Wed Feb 22 2017	Tomas Radej
Revision 6.3.0-15 Rebuilt.	Fri Dec 23 2016	Tomas Radej
Revision 6.3.0-14 Rebuilt.	Mon Nov 28 2016	Tomas Radej
Revision 6.3.0-13 Rebuilt.	Wed Oct 5 2016	Tomas Radej
Revision 6.3.0-12 Built for release 6.3.3.	Mon Oct 3 2016	Tomas Radej
Revision 6.3.0-11 Rebuilt.	Thu Sep 15 2016	Tomas Radej
Revision 6.3.0-10 Published the AsciiDoc version of the docs.	Thu Sep 15 2016	Tomas Radej
Revision 6.3.0-9 Updated documentation with release 6.3.1.	Thu Jul 14 2016	Tomas Radej
Revision 6.3.0-8 Releasing the newest documentation.	Thu Jun 2 2016	Marek Czernek
Revision 6.3.0-7 Added Known Issue #1325783.	Thu May 5 2016	Tomas Radej
Revision 6.3.0-6 Built with live links.	Thu May 5 2016	Tomas Radej
Revision 6.3.0-5 Bootstrapping links.	Thu May 5 2016	Tomas Radej
Revision 6.3.0-4 All books rebuilt.	Thu Apr 28 2016	Tomas Radej
Revision 6.3.0-3 All books rebuilt.	Thu Apr 28 2016	Tomas Radej
Revision 6.3.0-2 Rebuild with updated headers.	Thu Apr 28 2016	Tomas Radej
Revision 6.3.0-1 Initial build for release 6.3.0 of JBoss BPM SuiteJBoss BRMS.	Thu Apr 28 2016	Tomas Radej

