



Red Hat JBoss BPM Suite 6.2

6.2.0 Release Notes

Release Notes for Red Hat JBoss BPM Suite

Red Hat JBoss BPM Suite 6.2 6.2.0 Release Notes

Release Notes for Red Hat JBoss BPM Suite

Red Hat Content Services

Legal Notice

Copyright © 2015 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

Release notes for Red Hat JBoss BPM Suite 6.2.0.

Table of Contents

CHAPTER 1. INTRODUCTION	3
1.1. ABOUT RED HAT JBOSS BPM SUITE	3
1.2. WHAT'S NEW IN RED HAT JBOSS BPM SUITE 6.2	3
CHAPTER 2. KNOWN ISSUES	6
CHAPTER 3. FIXED ISSUES	8
3.1. BRMS CORE AND EXECUTION SERVER	8
3.2. WORKBENCH AND DESIGNER	10
3.3. DASHBOARD	14
3.4. MISCELANEOUS	14
CHAPTER 4. ENHANCEMENTS AND FEATURE REQUESTS	16
APPENDIX A. REVISION HISTORY	19

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.

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

1.2. WHAT'S NEW IN RED HAT JBOSS BPM SUITE 6.2



NOTE

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

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

The following features are new and noteworthy in this release:

- JavaScript can now be used as a dialect in scripts (script task and on-entry, on-exit scripts) and for constraints (such as gateways). Same as with the Java and MVEL dialect, you can now have direct access to variables, globals, and to the `kcontext` variable. For details, see [Script Task](#).
- Support for asynchronous continuation is added that simplifies usage of asynchronous processing of process activities. Marking process activity as ***asynchronous*** instructs the engine to complete current processing (including committing transaction) before entering that activity. This in turn allows more control over what is executed in sequence and improve overall manageability of process execution.
- Improved support for signaling process instances. A new scope attribute has been added for events to define if a signal is to be considered internal (only for one process instance) or external (for all process instances that are waiting).

The new scope data input is an optional property implemented to provide the following scope of throw events:

- Process instance scope
- Default scope

- Project scope
- External scope

For details, see [Scope of Events](#).

- Improved search capabilities when using JBoss BPM Suite services (**RuntimeDataService**) that allows:
 - Search by correlation key
 - Search by process variable name
 - Search by process variable name and value

For details, see [Supported Methods](#).

- Asynchronous throw event is introduced that individually signals each process instance in the background. This avoids the situation where failing of one process instance affects all the other sequentially process instances waiting for the same signal. For details, see [Asynchronous Execution](#).
- A new wrapper API is introduced that exposes the Case Management concepts. The core process engine contains the flexibility to model adaptive and flexible processes. The new wrapper API simplifies picking up some of these advanced features. Note that this API relies on other existing features/APIs and can easily be extended. For details, see [Case Management](#).
- The remote REST API now allows you to retrieve an image that represents the status of a particular process instance, annotated on the process diagram. This generates the same image as the one in the Business Central's process instance diagram (active nodes marked with a red border and completed nodes with a gray background). The image is automatically generated based on the SVG of the process diagram when you save a process.

For details, see [Remote REST API for Accessing Process Status Diagram](#).

- The remote clients kie-remote-client for accessing the workbench embedded in the workbench and kie-server-client for the separate (unified) execution server are now also available as an OSGi feature.
- The Process Designer includes a new dialog for editing data inputs and outputs on activities in business processes. The dialog combines the functions of the dialogs in previous versions of the process designer for editing data inputs and outputs, and for defining assignments between data inputs/outputs and process variables. The dialog allows you to:
 - Create and edit data inputs and data outputs on activities.
 - Define assignments from process variables or constants to data inputs, and from data outputs to process variables.

The dialog is accessed by editing the Assignments property for activities which have this property, such as User Tasks, or by editing the DataInputAssociations or DataOutputAssociations property for activities which have one of these properties. The dialog is also available by clicking on a new button associated with those activities for which it is relevant: For details, see [Assignment](#).

- A fully featured unified KIE execution server based on the successful KIE execution server released with JBoss BPM Suite 6.1. In the 6.2 version, this execution server has been enhanced

with support for rules and processes (including user tasks and asynchronous jobs). It provides lightweight mechanism for executing your business assets. You can build a number of environments with it, such as:

- Single execution server (similar to workbench)
- Execution server per kjar
- Execution server per domain knowledge (set of k jars)

It can run on almost any container where the tested configuration includes the following:

- JBoss EAP 6.4
- Wildfly 8.1 and 8.2
- Tomcat 7 and 8
- WebSphere 8.5.5.x
- Weblogic 12c

For details, see [The Realtime Decision Server](#).

- The process and task lists screens of Business Central are now backed up by the DataSet APIs and data providers. This enable these runtime screens to retrieve the data in a much more efficient way and enable the users to apply more advanced filters. For details, see [Process Instances](#) and [User Tasks](#).
- 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 in case you want to edit a file locked by another user. For details, see [Asset Locking Support](#).
- The JBoss BPM 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 Models](#).
- The 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 Models](#).
- 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.
- JBoss BPM executor is enhanced to provide support for JMS based notification mechanism to improve performance for immediate job execution. Instead of relying on poll based mechanism, the executor is notified via JMS in case of an immediate job request.

CHAPTER 2. KNOWN ISSUES

These are the known issues for Red Hat JBoss BPM Suite 6.2.

Cannot open jboss-bpmsuite-6.1.0.ER6-deployable-eap6.x.zip on Windows7 with Windows Explorer [\[BZ#1203726\]](#)

Windows Explorer fails to open the deployable ZIP for EAP on Windows 7, reporting that the ZIP is invalid. This behaviour is likely caused by the file names in the ZIP exceeding the path length limitation on Windows 7 (260 characters). The workaround is to use a different archiving tool to open the deployable ZIP (such as 7-Zip).

WLS: jms request fails to claim a human task assigned to a group [\[BZ#1203177\]](#)

Sending a JMS request to a BPMS instance on Oracle WebLogic to perform an operation on a human task may result in a `PermissionDeniedException`. This happens if the task is associated only with the group the user is in, and not directly with the user, due to the user groups not being loaded properly on Oracle WebLogic. There is no workaround except associating the task directly with the user.

No results from Process Query API when I query process instances with 2 or more variables [\[BZ#1199993\]](#)

When multiple variables are given for the same query parameter, the query will then search for any results that match one or more of the values entered. However, when logical operations and grouping of values is required (i.e. AND, OR, and such), the search provides no results. There are no workarounds for this issue at this stage.

Field 'contentMap' from a task content accessed using REST is not being filled (or coming null) [\[BZ#1140881\]](#)

When trying to access the node (task) content through the REST API, the `contentMap` is missing in case of the `contentMap` being a map. To work around the issue, implement the following code:

```
Map<String, Object> ret = content.getContentMap();
if (ret == null) {
    ret = (Map<String, Object>)
ContentMarshallerHelper.unmarshall(content.getSerializedContent(),
null);
}
```

Process instance variable log contains a single space instead of null value on Sybase [\[BZ#1271247\]](#)

When running JBoss BPM Suite with a Sybase database instance, querying a process variable that has a `null` value returns a single space character (" ") instead of `null`. This is a limitation of the Sybase database, and there is currently no workaround.

Simulation results: Unable to control parallel executions of OR gateway [\[BZ#1047967\]](#)

Using the **OR** gateway in jBPM Designer may yield invalid simulation results, as not all possible sequence flows are always simulated. This happens due to the lack of support for better control of simulation in the BPSim standard. The simulation currently supports only the **XOR** and **AND** gateways. There is currently no workaround.

REST Query API: regular expression parameters are unknown for the server [\[BZ#1260909\]](#)

When making a REST API call involving regular expressions with parameters enabling the use of regular expressions, a `BAD_REQUEST` status is returned. The parameters affected are those ending

with "_re", such as **deploymentId_re** or **initiator_re**. The workaround is to use the parameter names without the "_re" suffix.

REST Query API: startDate and endDate parameters do not work [BZ#1260881]

When using the REST API to send a query about a process, using the parameters **startDate** or **endDate** yields no results even if there are processes matching the criteria. The workaround is to use the parameter **startDate_min** in conjunction with **startDate_max**, or **endDate_min** and **endDate_max**, so that they intersect only on the intended date.

Task list: loading animation displayed indefinitely until the mouse is moved [BZ#1283503]

When viewing filtered task data in BPMS Business Central with a remote database, the loading animation may not be displayed, or be displayed for as long as the user does not move the mouse. This behaviour does not affect the correctness of the filtered results as such. After moving the mouse, the results are displayed correctly. The workaround is to move the mouse after clicking the filtering tab.

Add database upgrade scripts to BPMS distribution [BZ#1235091]

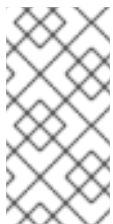
Running SQL Server upgrade scripts with some clients may fail. This is caused by two statements in the SQL Server upgrade scripts that miss a semicolon at the end. To work around the issue, **add** the two semicolons before executing the script.

Exception cleaning and unsetting batch mode on FS [BZ#1289539]

While working on Business Central, the following error modal may appear at a random point preventing you from working further on the application:

Unable to complete your request. The following exception occurred:
Exception cleaning and unsetting batch mode on FS..

There are no workarounds for this issue at this stage except for restarting the server and logging in to Business Central again.



NOTE

The following patch fix is provided to fix this issue:

<https://access.redhat.com/jbossnetwork/restricted/softwareDetail.html?softwareId=41551&product=bpm.suite&version=6.2.0&downloadType=patches>

CHAPTER 3. FIXED ISSUES

These are *some* of the high priority issues fixed in this version of Red Hat JBoss BPM Suite 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#1250349	Exceptions are not logged in server.log file if not able to connect to kie-server
BZ#1250323	Not able to register KIE server if we use https protocol.
BZ#1275378	Missing new drl file after calling KieScanner.scanNow
BZ#1222843	JSON request are not supported in /containers/{id}
BZ#1214743	DSL parse error on isolated dot
BZ#1228313	NPE when there's a shared segment in Sequential Mode

Issue	Description
BZ#1253162	ClassCastException when kcontainer.updateToVersion() with sliding window rule running
BZ#1253575	Drools nested date comparison expressions with OR condition
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
BZ#1252327	TransactionLockInterceptor cannot unlock on transaction timeout
BZ#1260377	DB upgrade script "jbpm-6.1-to-6.2.sql" does not contain alter statement for ContextMappingInfo.owner_id column
BZ#1049238	Optimize DDL scripts for production use (indexes, ...)
BZ#1276039	Postgres upgrade script (bpms-6.0-to-6.1.sql): null value in column "id" violates not-null constraint
BZ#1241358	SingleSessionCommandService Interceptor stack is lost when rollback
BZ#1217725	Externalize storagePath for DocumentStorageService
BZ#1208056	Concurrent process execution will fail if it references a new user/group
BZ#1264525	EventFactHandles are not deserialized correctly causing error "No enum constant org.drools.core.factmodel.traits.TraitTypeEnum.xxx"

Issue	Description
BZ#1213209	Duplicate Timer calls by a Boundary Timer inside a MultipleInstances
BZ#1250315	TaskService.forward() can forward a task to a group without throwing Exception
BZ#1206055	Not possible to build a process with boundary event when Cancel Activity is set to true
BZ#1234592	Race condition with multiple job executor threads on Oracle
BZ#1227470	SerializationException by using List type as variable in Human Task in BPM Suite 6.1

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
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"

Issue	Description
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
BZ#1217006	Not able to select specific branch from repository in BPMS 6.1
BZ#1232000	Search field does not find assets with single word name
BZ#1248020	JobExecutor: Job Service Settings dialog active despite disabled job executor
BZ#1277586	Timeline feature does not respect security constraint set by "add-group-repo" kie-cli command
BZ#1228853	The rest query API does not work with variables using camel case when using the "var_" syntax
BZ#1228393	The button to see more tools does not show up when we use it and maximize the modeler pane
BZ#1244966	REST Task query parameter is removed when we edit the process and save it
BZ#1236144	Text is automatically selected when using swimlane, tasks and tasks comments and resizing the tasks
BZ#1245616	REST API is using wrong context for Correlation Key related commands

Issue	Description
BZ#1230325	Swimlane with embedded subprocess does keep the elements position
BZ#1232975	Process elements divided in different swimlanes changes its connectors positions everytime we move one of the swimlanes
BZ#1244249	DateTime attribute for Timers is implemented in engine but it is not exposed in Designer
BZ#1255869	REST task query response is missing actual-owner tag after upgrading to Update2 in BPM Suite 6.1.2
BZ#1243969	Text Annotation connector gets distorted after saving/re-opening a process in BPM Suite 6.1
BZ#1265800	Task Text in Business process is not aligned when exporting to PNG and PDF formats in BPM Suite 6.1.x
BZ#1255149	Unable to call a reusable process that contains a "_" (underscore) in the name in BPM Suite 6.1.2
BZ#1261250	Variable List paging not working
BZ#1254823	Tasks with reassignment throws exception when completing it using the REST API
BZ#1221380	If a lot of roles besides the standard ones are granted to a user the home page is broken after the user logs into business central.
BZ#1203342	Deployment of decorated WorkItemHandlers AND runtime listeners not possible
BZ#1233396	Attempt to rename file affects the wrong BPM process in BPM Suite 6.1.0
BZ#1200707	Script dialect is not preserved by the Web Designer
BZ#1216108	'Content' assignment is not preserved in REST Task
BZ#1208368	Business Central hangs with the loading pop-up when opening the project.imports file
BZ#1242410	Default attribute in exclusive gateway lost during BPMN2 import
BZ#1236100	Message Console does not get shown in the AuthoringPerspectiveNoContext perspective
BZ#1120135	Business Central does not close the editors for the assets (process, workitem) even if their Repository is deleted
BZ#1230987	Process with space in the name breaks the Form Editor
BZ#1210257	Using 'var' parameter in Remote Query API results in exception

Issue	Description
BZ#1221096	org.uberfire.ext.security.server.SecureHeadersFilter missing in web-exec-server.xml
BZ#1225151	Swimlane issues in BPM Suite 6.1 - Large text name is overlapping other components
BZ#1245672	Task comment connector do not keep its position inside a swimlane when the swimlane is moved
BZ#1230854	Undo moving swimlane messes up BP diagram
BZ#1230858	IE11: Moving text annotation inside swimlane/sub-process causes it to jump
BZ#1210501	Remote server declared in pom.xml is ignored in business central project
BZ#1248082	Swimlane has a limited width in a business process
BZ#1247217	Business Central is unable to build a project if a DRL contains declared types
BZ#1232426	Unable to modify the HTML component in a form by clicking on "Apply" button in BPM Suite 6.1.0
BZ#1230947	Any authenticated user can see tasks which doesn't own by remote REST api
BZ#1252049	REST API does not support Map / Set
BZ#1233428	Users with "developer" role are able to see the administration page
BZ#1222656	Processes can not be restored from previous version
BZ#1230212	Tasks between lanes are overlapped if selected and dragged in BPM Suite 6.1.0
BZ#1252131	"showTaskForm" url is not working in BPM Suite 6.1.2
BZ#1211882	Opening designer causes Project Explorer to start displaying packages from different project
BZ#1272363	Building Indicator is not shown when performing 'Build & Deploy'
BZ#1159774	Custom Data Type of Signal's Data Input/Output is not preserved
BZ#1278542	"create-repo" command from kie-config-tool does not work properly in BPM Suite 6.1.x
BZ#1166663	Tasks with ID higher than 1000 does not being completed
BZ#1267906	JAXB initialisation error - Several pairs of classes have the same XML type

Issue	Description
BZ#1210802	JobExecutor: Sorting and paging start behave strange after jobs are created and cancelled
BZ#1241414	Ability to set default locale of Business Central
BZ#1245816	Can't download BPMN source code in jobpm designer when resizing the window
BZ#1225181	Unable to split the connector name into two lines in BPM Suite 6.1
BZ#1230181	Unable to drag a workflow pattern from the menu and drop it inside a swimlane in BPM Suite 6.1
BZ#1230843	Connecting lines moved when resize swimlane in large process
BZ#1201154	KJARs deployed with mvn deploy:deploy-file are not being listed in Workbench Artifact Repository
BZ#1248018	JobExecutor: Job Service Settings dialog shows incorrect Frequency value for timeunit other than seconds
BZ#1065315	Plaintext password is logged in server.log if enabling DEBUG for BPM Suite 6

3.3. DASHBOARD

Table 3.3. Dashboard Issues Resolved in Version 6.2

Issue	Description
BZ#1209565	Login with user without predefined roles causes infinite redirect loop
BZ#1200333	Drop down lists in Dashboard page are garbled in Japanese locale

3.4. MISCELANEOUS

Table 3.4. Miscellaneous Issues Resolved in Version 6.2

Issue	Description
BZ#1273685	JBDS8.1.0: An error icon is shown for XOR Diverging/Converging gateway
BZ#1231870	Missing documentation for embedding business-central
BZ#1253594	JBDS8.1 Diagram Editor does not allow to use a variable for "called element" in CallActivity

Issue	Description
BZ#1251376	[GSS] (6.1.z)creating bpmn2 file by selecting BPMN2 Model will generate incomplete xml file
BZ#1235326	Missing Task Lifecycle image
BZ#1235329	Missing permission matrix table
BZ#1235689	Custom Service Task is losing information after round-tripping from Web Designer to JBDS
BZ#1127296	Clustering chapter should describe setup clustering of Zookeeper for production use
BZ#1223233	zoo.cfg for ZooKeeper cluster
BZ#1221086	Missing documentation on available profiles for business-central
BZ#1231877	Not possible to install BxMS on EAP which runs on non-default port
BZ#1247819	There are 2 different types of explanation about converging XOR gateway
BZ#1168373	[BPMS 6] The original product type discovered for this server was EAP, but the server is now reporting its product type is [BPM Suite]
BZ#1217113	migration tool makes the disabled rule available again
BZ#1217108	migration tool doesn't convert java.text.SimpleDateFormat correctly
BZ#1217117	migration tool generates non-escaped chars that cause the whole exported package empty
BZ#1216173	a couple of issues related to migration tool
BZ#1213906	Align jBPM KPIs with real values of Database table names
BZ#1228802	Wrong endpoint in the REST API doc for /history/instances

CHAPTER 4. ENHANCEMENTS AND FEATURE REQUESTS

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

Table 4.1. WorkBench and Designer Issues Resolved in Version 6.2

Issue	Description
BPMSPL-96	[GSS-RFE] Open as text
BPMSPL-119	[GSS-RFE] Add taskService.addContent() for Remote API
BPMSPL-115	[GSS-RFE] jBPM APIs to be EJB spec compliant
BPMSPL-80	[GSS-RFE] Programmatically import the workspace into business dashboard
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-132	[GSS-RFE] Introduce "scope" attribute for Event
BPMSPL-131	[GSS-RFE] Implement async throwing signal events
BPMSPL-193	[GSS-RFE] Expose the jBPM Executor as a Public API
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 parse complex object types
BPMSPL-213	[GSS-RFE] Add a button to allow SVG exporting in jbpm Designer
BPMSPL-209	[GSS-RFE] Provide alternative to DB based job executor
BPMSPL-124	[GSS-RFE] Task metadata being improperly stored in l18NText database table
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-55	[GSS-RFE] Able to use 'Task Variables' as expressions in Task properties
BPMSPL-187	[GSS-RFE] Customer wants a Official way to control access to the REST API

Issue	Description
BPMSPL-200	[GSS-RFE] Ability to Customize the jBPM Executor retry interval
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
BPMSPL-111	[GSS-RFE] Due Dates - Ability to set an overdue task based on the original due date
BPMSPL-114	[GSS-RFE] Update database for "Due Date", "Task Comments" and Other Miscellaneous Extensions in JBoss BPM Suite 6.0.x
BPMSPL-210	[GSS-RFE] Provide an alternative approach of notifying the parent process when using <code>waitForCompletion=true</code>
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
BZ#1066962	Add support for git hooks
BZ#1207326	How to set user task notification through JBDS in jBPM 6?
BZ#1236636	Remote Client API (rules and BPM) are not available in drools-karaf-features/features.xml
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	<code>isExecutable="false"</code> should not be removed from BPMN file by BPMN 2 Diagram Editor

Issue	Description
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 BPM Suite.

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 BPM Suite.	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 BPM Suite.	Mon Nov 30 2015	Tomas Radej