For Use with the Red Hat JBoss Web Server 5.1
Legal Notice

Copyright © 2019 Red Hat, Inc.

The text of and illustrations in this document are licensed by Red Hat under a Creative Commons Attribution–Share Alike 3.0 Unported license ("CC-BY-SA"). An explanation of CC-BY-SA is available at http://creativecommons.org/licenses/by-sa/3.0/. In accordance with CC-BY-SA, if you distribute this document or an adaptation of it, you must provide the URL for the original version.

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 Red Hat JBoss Web Server 5.1.
## Table of Contents

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHAPTER 1. REDHAT JBOSS WEB SERVER 5.1</td>
<td>3</td>
</tr>
<tr>
<td>CHAPTER 2. INSTALLING THE RED HAT JBOSS WEB SERVER 5.1</td>
<td>4</td>
</tr>
<tr>
<td>CHAPTER 3. OS/JVM CERTIFICATIONS</td>
<td>5</td>
</tr>
<tr>
<td>CHAPTER 4. SECURITY FIXES</td>
<td>6</td>
</tr>
<tr>
<td>CHAPTER 5. RESOLVED ISSUES</td>
<td>7</td>
</tr>
<tr>
<td>CHAPTER 6. KNOWN ISSUES</td>
<td>8</td>
</tr>
<tr>
<td>CHAPTER 7. COMPONENT VERSIONS</td>
<td>9</td>
</tr>
</tbody>
</table>
Welcome to the Red Hat JBoss Web Server version 5.1 release.

**IMPORTANT**

JWS Release 5.1 applies only to RHEL 8, other platforms do not apply and therefore were not updated.

The focus of this release is on preparing JWS and its related components for the RHEL 8 release. Subsequently the only RPM updated for this release is the RHEL installation RPM.

**NOTE**

As part of the Red Hat JBoss Web Server 5.1 Release JSVC will be dropped from Apache Tomcat in all RHEL distributions.

In place of JSVC it is recommended that users run the system daemon scripts provided in the installation guide. These scripts will cover the functionality provided by JSVC, with the exception of running ports on < 1024. A link to the installation guide containing the daemon scripts is provided in section 2 of these release notes.

JBoss Web Server is a fully integrated and certified set of components for hosting Java web applications. It consists of:

- **Apache Tomcat**: a servlet container in accordance with the Java Servlet Specification. JBoss Web Server contains Apache Tomcat 9.

- The **Apache Tomcat Native Library**: a Tomcat library, which improves Tomcat scalability, performance, and integration with native server technologies.

- The **tomcat-vault extension**: an extension for the JBoss Web Server used for securely storing passwords and other sensitive information used by a JBoss Web Server.

- The **mod_cluster** library: a library that allows communication between Apache Tomcat and the Apache HTTP Server’s mod_proxy_cluster module. This allows the Apache HTTP Server to be used as a load balancer for JBoss Web Server.
CHAPTER 2. INSTALLING THE RED HAT JBOSS WEB SERVER 5.1

The JBoss Web Server 5.1 can be installed using the RHEL installation guide.

- Installing JBoss Web Server on Red Hat Enterprise Linux.
CHAPTER 3. OS/JVM CERTIFICATIONS

This list contains all certifications for the following platforms available during this release:

<table>
<thead>
<tr>
<th>Operating System</th>
<th>JVM</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHEL 8 x86_64</td>
<td>OpenJDK 1.8</td>
<td>Certified</td>
</tr>
<tr>
<td>RHEL 8 x86_64</td>
<td>OpenJDK 11</td>
<td>Certified</td>
</tr>
<tr>
<td>RHEL 8 x86_64</td>
<td>Oracle 11</td>
<td>Certified</td>
</tr>
</tbody>
</table>
CHAPTER 4. SECURITY FIXES

This update includes no security fixes.
CHAPTER 5. RESOLVED ISSUES

There are no public resolved issues for this update.
# CHAPTER 6. KNOWN ISSUES

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JWS-1021</td>
<td>Systemd service unit can’t start due to SELinux denial</td>
</tr>
<tr>
<td>JWS-1056</td>
<td>[Docs] add that JWS_HOME is /opt/rh/jws5/root/usr/share for RPM distribution</td>
</tr>
<tr>
<td>JWS-1311</td>
<td>Websocket: autobahn test suite reports issues with echoBasicEndpoint</td>
</tr>
<tr>
<td>JWS-1316</td>
<td>&quot;-Djava.library.path&quot; can not be set manually due to hard coding as - Djava.library.path=$_NATIVE_LIBDIR&quot;</td>
</tr>
<tr>
<td>JWS-1320</td>
<td>ASF BZ 63199: Tomcat Native: sslnetwork handshake JVM crash</td>
</tr>
</tbody>
</table>
## CHAPTER 7. COMPONENT VERSIONS

<table>
<thead>
<tr>
<th>Component</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apache Tomcat 9</td>
<td>9.0.7-20</td>
</tr>
<tr>
<td>Tomcat-Native</td>
<td>1.1.7.Final-redhat-2</td>
</tr>
<tr>
<td>Tomcat-Vault</td>
<td>1.2.17-28</td>
</tr>
<tr>
<td>mod_cluster</td>
<td>1.4.0-9.Final-redhat-1</td>
</tr>
<tr>
<td>JBoss logging</td>
<td>3.3.1-5.Final-redhat-1</td>
</tr>
</tbody>
</table>