



Red Hat JBoss Web Server 5.7

Red Hat JBoss Web Server 5.7 Service Pack 4 Release Notes

For Use with the Red Hat JBoss Web Server 5.7

Red Hat JBoss Web Server 5.7 Red Hat JBoss Web Server 5.7 Service Pack 4 Release Notes

For Use with the Red Hat JBoss Web Server 5.7

Legal Notice

Copyright © 2023 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, the Red Hat 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 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 5.7 Service Pack 4.

Table of Contents

PROVIDING FEEDBACK ON RED HAT DOCUMENTATION	3
MAKING OPEN SOURCE MORE INCLUSIVE	4
CHAPTER 1. RED HAT JBOSS WEB SERVER 5.7 SERVICE PACK 4	5
CHAPTER 2. NEW FEATURES AND ENHANCEMENTS	6
CHAPTER 3. INSTALLING THE RED HAT JBOSS WEB SERVER 5.7	7
CHAPTER 4. UPGRADING RED HAT JBOSS WEB SERVER USING THIS SERVICE PACK	8
CHAPTER 5. OS/JVM CERTIFICATIONS	9
CHAPTER 6. RESOLVED ISSUES	10
CHAPTER 7. KNOWN ISSUES	11
CHAPTER 8. SUPPORTED COMPONENTS	12
CHAPTER 9. ADVISORIES RELATED TO THIS RELEASE	13

PROVIDING FEEDBACK ON RED HAT DOCUMENTATION

We appreciate your feedback on our technical content and encourage you to tell us what you think. If you'd like to add comments, provide insights, correct a typo, or even ask a question, you can do so directly in the documentation.



NOTE

You must have a Red Hat account and be logged in to the customer portal.

To submit documentation feedback from the customer portal, do the following:

1. Select the **Multi-page HTML** format.
2. Click the **Feedback** button at the top-right of the document.
3. Highlight the section of text where you want to provide feedback.
4. Click the **Add Feedback** dialog next to your highlighted text.
5. Enter your feedback in the text box on the right of the page and then click **Submit**.

We automatically create a tracking issue each time you submit feedback. Open the link that is displayed after you click **Submit** and start watching the issue or add more comments.

Thank you for the valuable feedback.

MAKING OPEN SOURCE MORE INCLUSIVE

Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see [our CTO Chris Wright's message](#).

CHAPTER 1. RED HAT JBOSS WEB SERVER 5.7 SERVICE PACK 4

Welcome to the Red Hat JBoss Web Server version 5.7 Service Pack 4 release.

Red Hat JBoss Web Server is a fully integrated and certified set of components for hosting Java web applications. It consists of an application server (Apache Tomcat Servlet container) and the Apache Tomcat Native Library.

JBoss Web Server includes the following key components:

- **Apache Tomcat** is a servlet container in accordance with the Java Servlet Specification. JBoss Web Server contains Apache Tomcat 9.
- The **Apache Tomcat Native Library** improves Tomcat scalability, performance, and integration with native server technologies.
- **Tomcat-vault** is an extension for the JBoss Web Server that is used for securely storing passwords and other sensitive information used by a JBoss Web Server.
- The **mod_cluster** library enables communication between JBoss Web Server and the Apache HTTP Server **mod_proxy_cluster** module. The **mod_cluster** library enables you to use the Apache HTTP Server as a load balancer for JBoss Web Server. For more information about configuring **mod_cluster**, or for information about installing and configuring alternative load balancers such as **mod_jk** and **mod_proxy**, see the [Apache HTTP Server Connectors and Load Balancing Guide](#).
- **Apache portable runtime (APR)** is a runtime that provides superior scalability, performance, and improved integration with native server technologies. APR is a highly portable library that is at the heart of Apache HTTP Server 2.x. It enables access to: advanced IO functionality such as sendfile, epoll and OpenSSL; functionality at the operating system level such as random number generation and system status; and native process handling such as shared memory, NT pipes and Unix sockets.
- **OpenSSL** is a software library that implements the Secure Sockets Layer (SSL) and Transport Layer Security (TLS) protocols and includes a basic cryptographic library.

This release of JBoss Web Server includes some moderate security updates.

JBoss Web Server 5.5 and later versions no longer provide OpenShift images based on Red Hat Enterprise Linux 7. This release of JBoss Web Server provides OpenShift images based on Red Hat Enterprise Linux 8.

CHAPTER 2. NEW FEATURES AND ENHANCEMENTS

Red Hat JBoss Web Server 5.7 Service Pack 4 does not include any new features or enhancements.

CHAPTER 3. INSTALLING THE RED HAT JBOSS WEB SERVER 5.7

You can install the JBoss Web Server 5.7 on Red Hat Enterprise Linux or Microsoft Windows. For more information, see the following sections of the installation guide:

- [Installing JBoss Web Server on Red Hat Enterprise Linux from archive files](#)
- [Installing JBoss Web Server on Red Hat Enterprise Linux from RPM packages](#)
- [Installing JBoss Web Server on Microsoft Windows](#)

CHAPTER 4. UPGRADING RED HAT JBOSS WEB SERVER USING THIS SERVICE PACK

To install this service pack:

1. Go to the [Software Downloads page for Red Hat JBoss Web Server 5.7](#) .



NOTE

You require a Red Hat subscription to access the Software Downloads page.

2. Download the Red Hat JBoss Web Server 5.7 Service Pack 4 archive file that is appropriate to your platform.
3. Extract the archive file to the Red Hat JBoss Web Server installation directory.

If you have installed Red Hat JBoss Web Server from RPM packages on Red Hat Enterprise Linux, you can use the following **yum** command to upgrade to the latest service pack:

```
# yum upgrade
```

CHAPTER 5. OS/JVM CERTIFICATIONS

This release is supported for use with the following operating system and Java Development Kit (JDK) versions:

Operating System	Chipset Architecture	Java Virtual Machine
Red Hat Enterprise Linux 9	x86_64	Red Hat OpenJDK 11, Red Hat OpenJDK 17, Oracle JDK 11, Oracle JDK 17
Red Hat Enterprise Linux 8	x86_64	Red Hat OpenJDK 1.8.x, Red Hat OpenJDK 11, Red Hat OpenJDK 17, Oracle JDK 11, Oracle JDK 17
Red Hat Enterprise Linux 7	x86_64	Red Hat OpenJDK 1.8.x, Red Hat OpenJDK 11, Oracle JDK 1.8.x, Oracle JDK 11, IBM JDK 1.8.x
Microsoft Windows 2019 Server	x86_64	Red Hat OpenJDK 1.8.x, Red Hat OpenJDK 11, Red Hat OpenJDK 17, Oracle JDK 1.8.x, Oracle JDK 11, Oracle JDK 17
Microsoft Windows 2016 Server	x86_64	Red Hat OpenJDK 1.8.x, Red Hat OpenJDK 11, Red Hat OpenJDK 17, Oracle JDK 1.8.x, Oracle JDK 11, Oracle JDK 17



NOTE

Red Hat Enterprise Linux 6 and Microsoft Windows 2012 Server R2 are not supported.

CHAPTER 6. RESOLVED ISSUES

There are no resolved issues for this release.

CHAPTER 7. KNOWN ISSUES

There are no known issues for this release.

CHAPTER 8. SUPPORTED COMPONENTS

For a list of component versions that are supported in this release of Red Hat JBoss Web Server, see the [JBoss Web Server Component Details](#) page.

CHAPTER 9. ADVISORIES RELATED TO THIS RELEASE

The following advisories have been issued to document enhancements, bugfixes, and CVE fixes included in this release:

- [RHSA-2023:4909](#)
- [RHSA-2023:4910](#)
- [RHBA-2023:4911](#)
- [RHBA-2023:4912](#)