



Red Hat JBoss Web Server 5.7

Red Hat JBoss Web Server 5.7 Release Notes

For Use with the Red Hat JBoss Web Server 5.7

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Abstract

These release notes contain important information related to the Red Hat JBoss Web Server 5.7.

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PROVIDING FEEDBACK ON RED HAT JBOSS WEB SERVER DOCUMENTATION

To report an error or to improve our documentation, log in to your Red Hat Jira account and submit an issue. If you do not have a Red Hat Jira account, then you will be prompted to create an account.

Procedure

1. Click the following link to [create a ticket](#).
2. Enter a brief description of the issue in the **Summary**.
3. Provide a detailed description of the issue or enhancement in the **Description**. Include a URL to where the issue occurs in the documentation.
4. Clicking **Submit** creates and routes the issue to the appropriate documentation team.

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. REDHAT JBOSS WEB SERVER 5.7

Welcome to the Red Hat JBoss Web Server version 5.7 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 focuses on syncing JBoss Web Server with the latest Red Hat JBoss Core Services Apache HTTP Server (**httpd**). This release also introduces support for installing JBoss Web Server on Red Hat Enterprise Linux 9 and fixes some security issues.

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 includes the following new features and enhancements.

2.1. RED HAT ENTERPRISE LINUX 9 SUPPORT

This release of JBoss Web Server is also certified for use on Red Hat Enterprise Linux 9. Support is available for installing JBoss Web Server on Red Hat Enterprise Linux 9 from an archive file or RPM packages.

CHAPTER 3. DEPRECATED FEATURES

The following features are being deprecated in this release.

3.1. APACHE CXF AND HIBERNATE ORM ARTIFACTS IN THE JBOSS WEB SERVER MAVEN REPOSITORY

Red Hat is deprecating the CXF and Hibernate JAR files that are currently available in the JBoss Web Server repository, which you can download as **jboss-web-server-5.7.x-maven-repository.zip** from the Red Hat Customer Portal. Red Hat will remove the CXF and Hibernate JAR files from **jboss-web-server-X.X.x-maven-repository.zip** in a future release.

In the JBoss Web Server 5.7 and 5.8 releases, Red Hat will continue to provide CXF and Hibernate JAR files in **jboss-web-server-5.X.x-maven-repository.zip**, but Red Hat does not provide any further updates to these JAR files except for any possible security fixes.



NOTE

In JBoss Web Server 5.7 and future versions, Red Hat will continue to provide and maintain CXF and Hibernate JAR files in the Red Hat hosted Maven repository, which you can access at <https://maven.repository.redhat.com/ga/>.

Apache CXF is a framework that you can use to build and develop services that use front-end application programming interfaces (APIs) such as JAX-WS and JAX-RS. Hibernate ORM is an object-relational mapping framework that you can use to connect JBoss Web Server to Java database connectivity (JDBC) data sources.

CHAPTER 4. 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 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

The following issues are resolved for this release:

Issue	Description
JWS-2466	[ASF BZ 65991] Avoid NPE when checking for client cert
JWS-2159	[ASFBZ 65454] Race condition with idle thread removal results in request being improperly enqueued by default ThreadPoolExecutor

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-2022:7272](#)
- [RHSA-2022:7273](#)
- [RHEA-2022:7274](#)