



# Red Hat JBoss Web Server 5.2

## Red Hat JBoss Web Server 5.2 Release Notes

For Use with the Red Hat JBoss Web Server 5.2



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## Abstract

These release notes contain important information related to the Red Hat JBoss Web Server 5.2.

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## CHAPTER 1. REDHAT JBOSS WEB SERVER 5.2

Welcome to the Red Hat JBoss Web Server version 5.2 release.

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.

This release of JBoss Web Server covers several quality of life updates. They are listed below:

- New string values are used for Tomcat identification:
  - 'Server version' → 'Server version name'
  - 'Server number' → 'Server version number'
- SSI Directives no longer work if one attempts to configure SSI via filter. To configure SSI Directives, you must uncomment the following block of code located in the **tomcat/conf/web.xml** folder:

```
<!--  
<mime-mapping>  
  <extension>shtml</extension>  
  <mime-type>text/x-server-parsed-html</mime-type>  
</mime-mapping>  
-->
```

For full information on SSI Directives see [The Apache Tomcat documentation on SSI Directives](#)

- Support for JSVC was dropped

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 chapter 2 of these release notes.

## CHAPTER 2. INSTALLING THE RED HAT JBOSS WEB SERVER 5.2

The JBoss Web Server 5.2 can be installed using one of the following sections of the installation guide:

- [Installing JBoss Web Server on Red Hat Enterprise Linux](#) .
- [Installing JBoss Web Server on Microsoft Windows](#) .



## CHAPTER 3. OS/JVM CERTIFICATIONS

Operating System	Chipset Architecture	Java Virtual Machine
Red Hat Enterprise Linux 8	x86_64	Red Hat OpenJDK 1.8.x, Red Hat OpenJDK 11, OracleJDK 11
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
Red Hat Enterprises Linux 6	x86_64, x86	Red Hat OpenJDK 1.8.x, Oracle JDK 1.8.x, Oracle JDK 11( <b>x86_64 Only</b> ), IBM JDK 1.8.x
Microsoft Windows 2016 Server	x86_64	Red Hat OpenJDK 1.8.x, Red Hat OpenJDK 11, Oracle JDK 1.8.x, Oracle JDK 11
Microsoft Windows 2012 Server R2	x86_64	Red Hat OpenJDK 1.8.x, Red Hat OpenJDK 11, Oracle JDK 1.8.x, Oracle JDK 11

## CHAPTER 4. SECURITY FIXES

This update includes fixes for the following security related issues:

ID	Impact	Summary
<a href="#">CVE-2018-5407</a>	Moderate	openssl: Side-channel vulnerability on SMT/Hyper-Threading architectures (PortSmash)
<a href="#">CVE-2019-0199</a>	Important	tomcat: Apache Tomcat HTTP/2 DoS
<a href="#">CVE-2019-0221</a>	Low	XSS in SSI printenv
<a href="#">CVE-2019-0232</a>	Important	tomcat: Remote Code Execution on Windows
<a href="#">CVE-2019-1559</a>	Moderate	openssl: 0-byte record padding oracle
<a href="#">CVE-2019-10072</a>	Moderate	tomcat: HTTP/2 connection window exhaustion on write, incomplete fix of CVE-2019-0199

## CHAPTER 5. RESOLVED ISSUES

Issue	Description
JWS-1019	Enhance the SELinux postinstall script
JWS-1021	Systemd service unit can't start due to SELinux denial
JWS-1297	[ASF BZ 62899] Async servlet over HTTP/2 on embedded server sporadically timeout forever when reading near end of request
JWS-1298	TLS 1.0 and OpenSSL 1.1.1 hangs in OpenSSLEngine
JWS-1316	"-Djava.library.path" can not be set manually due to hard coding as -Djava.library.path=\$_NATIVE_LIBDIR"
JWS-1355	ALPN failure with JSSE on OpenJDK 11
JWS-1361	[RFE] Asking for "tomcat_can_network_connect_db" boolean
JWS-1363	JWS5 Zip install runs with unconfined SELinux
JWS-1373	[ASF BZ 62263] NPE when using RemoteIpValve
JWS-1401	Tomcat frequently hangs at startup when Jolokia loads certificate [jws-5]
JWS-1403	Update all of the StringManager references back to the original class reference and add the call to getPackage().getName() so that the inits are able to find LocalStrings.properties in the correct packages
JWS-1405	JWS 5 docs mention Tomcat 7/8 instead of 9
JWS-1430	RPM shutdown throws warnings with Java 11
JWS-1454	SELinux denied errors on start up
JWS-1457	Windows package name fix (win6-x86_64.zip vs win6.x86_64.zip)

## CHAPTER 6. KNOWN ISSUES

Issue	Description
JWS-1459	Tomcat Embedded with Apache CXF is not Java 11 ready

## CHAPTER 7. COMPONENTS INCLUDED IN RED HAT JBOSS WEB SERVER 5.2

Component	Version
Apache CXF	3.2.7
Apache Tomcat 9	9.0.21
ECJ	4.12.0
Hibernate	5.3.10
JBoss logging	3.3.2
libapr	1.6.3
mod_cluster	1.4.1.Final
OpenSSL	1.1.1
Tomcat-Native	1.2.21
Tomcat-Vault	1.1.8.Final