



JBoss Enterprise Application Platform Continuous Delivery 15

JBoss EAP Continuous Delivery 15 Release Notes

For Use with JBoss Enterprise Application Platform Continuous Delivery 15

JBoss Enterprise Application Platform Continuous Delivery 15 JBoss EAP Continuous Delivery 15 Release Notes

For Use with JBoss Enterprise Application Platform Continuous Delivery 15

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 JBoss Enterprise Application Platform continuous delivery release 15, which is available as a Technology Preview release in the cloud only.

Table of Contents

CHAPTER 1. ABOUT JBOSS EAP CONTINUOUS DELIVERY 15	3
1.1. DIFFERENCES BETWEEN JBOSS EAP AND JBOSS EAP CONTINUOUS DELIVERY	3
CHAPTER 2. NEW FEATURES AND ENHANCEMENTS	4
2.1. SECURITY	4
Elytron Audit Logging Performance and Reliability Tuning	4
JwtValidator Enhancements	4
Default SSLContext	4
Java Authentication SPI for Containers (JASPI) Security Using Elytron	4
Server SSL Server Name Indication (SNI) Contexts	4
2.2. SERVER MANAGEMENT	4
Support for Eclipse MicroProfile Metrics	4
2.3. MANAGEMENT CLI	5
Disable Output Paging	5
CHAPTER 3. UNSUPPORTED AND DEPRECATED FUNCTIONALITY	6
3.1. UNSUPPORTED FEATURES	6
3.2. DEPRECATED FEATURES	6
CHAPTER 4. RESOLVED ISSUES	7
CHAPTER 5. FIXED CVES	8
CHAPTER 6. KNOWN ISSUES	9

CHAPTER 1. ABOUT JBOSS EAP CONTINUOUS DELIVERY 15

The JBoss Enterprise Application Platform continuous delivery (JBoss EAP CD) release 15 is a Technology Preview release available in the cloud only. This JBoss EAP CD release introduces a new delivery stream of JBoss EAP, which provides incremental updates and new capabilities on a regular schedule for Red Hat OpenShift Online and the Red Hat OpenShift Container Platform.

The purpose of this new delivery model is to quickly introduce new features ahead of the traditional JBoss EAP GA release. The JBoss EAP CD releases are only available in the OpenShift image format and can be accessed from the Red Hat Container Catalog.

Traditional JBoss EAP GA releases, the next being JBoss EAP 7.3, will be based on an aggregate of JBoss EAP CD releases and will continue to be available through the normal distribution methods.



IMPORTANT

This continuous delivery release for JBoss EAP is provided as Technology Preview only. Technology Preview features are not supported with Red Hat production service level agreements (SLAs), might not be functionally complete, and Red Hat does not recommend to use them for production. These features provide early access to upcoming product features, enabling customers to test functionality and provide feedback during the development process.

See [Technology Preview Features Support Scope](#) on the Red Hat Customer Portal for information about the support scope for Technology Preview features.

1.1. DIFFERENCES BETWEEN JBOSS EAP AND JBOSS EAP CONTINUOUS DELIVERY

There are notable differences between the JBoss EAP product and the continuous delivery release for JBoss EAP.



IMPORTANT

For descriptions of differences and details about feature support in the continuous delivery release for JBoss EAP, see the comparison table in [Getting Started with JBoss EAP for OpenShift Container Platform](#) or [Getting Started with JBoss EAP for OpenShift Online](#).

CHAPTER 2. NEW FEATURES AND ENHANCEMENTS

2.1. SECURITY

Elytron Audit Logging Performance and Reliability Tuning

In JBoss EAP 7.2, the **synchronized** attribute for Elytron file audit logging defined whether to flush the output stream and synchronize the file descriptor after every audit event.

This release introduces a new **autoflush** attribute to separate stream flushing and file synchronizing, which allows for finer tuning of performance and reliability for Elytron audit logging.

For more information on configuring Elytron audit logging, see [Elytron Audit Logging](#) in *How to Configure Server Security* for JBoss EAP.

JwtValidator Enhancements

The JwtValidator in this release now includes support for multiple keys and for remote public keys. The **key-store** attribute can now be combined with the **certificate** attribute to be used as an alternate to the **public-key**. The **client-ssl-context** attribute defines the SSL context to use for a remote [JSON Web Key \(JWK\)](#). This enables you to use the URL from the **jku** (JSON Key URL) header parameter to fetch public keys for token verification.

For more information, see the [token-realm jwt Attributes](#) table in *How to Configure Server Security* for JBoss EAP.

Default SSLContext

This release now registers a default SSLContext on startup that is available for use by any libraries that support use of the default context.

For more information, see [Default SSLContext](#) in *How to Configure Server Security* for JBoss EAP.

Java Authentication SPI for Containers (JASPI) Security Using Elytron

The **elytron** subsystem in this release now provides an implementation of the **Servlet** profile from the Java Authentication SPI for Containers (JASPI). This allows tighter integration with the security features provided by Elytron.

For more information, see [Configure Java Authentication SPI for Containers \(JASPI\) Security Using Elytron](#) in the *Development Guide* for JBoss EAP.

Server SSL Server Name Indication (SNI) Contexts

The **server-ssl-sni-context** in this release is used for providing server-side SNI matching. It provides matching rules to correlate host names to SSL contexts, along with a default in case none of the provided host names are matched.

For more information, see [Using a server-ssl-sni-context](#) in the *How to Configure Server Security* for JBoss EAP.

2.2. SERVER MANAGEMENT

Support for Eclipse MicroProfile Metrics

This release now includes the [SmallRye Metrics](#) component, which provides [Eclipse MicroProfile Metrics](#) functionality using the **microprofile-metrics-smallrye** subsystem. This subsystem is used to provide monitoring data for the JBoss EAP instance, and is enabled by default.

For more information, see [Eclipse MicroProfile Metrics](#) in the *Configuration Guide* for JBoss EAP.

2.3. MANAGEMENT CLI

Disable Output Paging

By default, the JBoss EAP management CLI pauses after a page of output has been displayed, which allows you to browse and search the command output. You can now disable this behavior and print the entire output immediately by starting the management CLI with the **--no-output-paging** argument or by setting the **output-paging** element to **true** in the *EAP_HOME/bin/jboss-cli.xml* file.

CHAPTER 3. UNSUPPORTED AND DEPRECATED FUNCTIONALITY

3.1. UNSUPPORTED FEATURES

Support for some technologies are removed due to the high maintenance cost, low community interest, and better alternative solutions. This release does not introduce any newly unsupported features.

However, the unsupported features listed in the [Unsupported Features](#) section of the release notes for JBoss EAP 7.2 also apply to this continuous delivery release for JBoss EAP, unless they are mentioned in the [New Features and Enhancements](#) section of this document.

3.2. DEPRECATED FEATURES

Some features have been deprecated with this release. This means that no enhancements will be made to these features, and they may be removed in the future, usually the next major release.

Red Hat will continue providing full support and bug fixes under our standard support terms and conditions. For more information about the Red Hat support policy, see the [Red Hat JBoss Middleware Product Update and Support Policy](#) located on the Red Hat Customer Portal.

For details of which features have been deprecated, see the [JBoss Enterprise Application Platform Component Details](#) located on the Red Hat Customer Portal.

CHAPTER 4. RESOLVED ISSUES

See [Resolved Issues for JBoss EAP CD 15](#) to view the list of issues that have been resolved for this release.

CHAPTER 5. FIXED CVES

JBoss EAP Continuous Delivery 15 includes fixes for the following security-related issues:

- [CVE-2018-7489](#): **jackson-databind**: incomplete fix for CVE-2017-7525 permits unsafe serialization via c3p0 libraries
- [CVE-2018-1000632](#): **dom4j**: XML Injection in Class: Element. Methods: addElement, addAttribute which can impact the integrity of XML documents

CHAPTER 6. KNOWN ISSUES

See [Known Issues for JBoss EAP CD 15](#) to view the list of known issues for this release.

Revised on 2019-01-25 07:57:04 UTC