



# JBoss Enterprise Application Platform Continuous Delivery 17

## JBoss EAP Continuous Delivery 17 Release Notes

For Use with JBoss Enterprise Application Platform Continuous Delivery 17



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## Abstract

These release notes contain important information related to JBoss Enterprise Application Platform continuous delivery release 17, which is available as a Technology Preview release in the cloud only.

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## CHAPTER 1. ABOUT JBOSS EAP CONTINUOUS DELIVERY 17

The JBoss Enterprise Application Platform continuous delivery (JBoss EAP CD) release 17 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

#### Support for Hexadecimal Encoding in JDBC Realm

Elytron now supports hexadecimal encoding for password hashing algorithms in the JDBC realm.

For more information, see [Password Mappers](#) in *How to Configure Identity Management* for JBoss EAP.

#### Support for Modular Crypt Passwords in JDBC Realm

Modular Crypt password encoding is now supported in the JDBC realm.

The Modular Crypt encoding allows for multiple pieces of information such as the password type, the hash or digest, the salt, and the iteration count to be encoded in a single string.

For more information, see [Password Mappers](#) in *How to Configure Identity Management* for JBoss EAP.

### 2.2. WEB SERVER

#### Console access logging

A new feature has been added that outputs access log data to the console. Console access logging data is written to **stdout** as a single line of JSON-structured data.

For more information, see [Configuring a Server](#) in the *Configuration Guide* book for JBoss EAP.

### 2.3. LOGGING

#### Ability to Format Syslog Messages

You can now format the message of the syslog payload using the **named-formatter** attribute.

For more information about using the **named-formatter** attribute, see [Configure Syslog Handler Settings](#) in the *Configuration Guide*.

### 2.4. CLUSTERING

#### Ability to Specify Distributable Session Manager Invocation

You can now specify that a distributable session manager be used when sharing sessions among subdeployments by adding **<distributable/>** tag under **<shared-session-config>** in **META-INF/jboss-all.xml** configuration file.

For more information, see [Configuring Session Sharing between Subdeployments in Enterprise Archives](#) in the *Development Guide* for JBoss EAP.

#### Ability to Notify Singleton Service Providers of the New Primary Provider

Every member of a cluster with a registered **SingletonElectionListener** receives a notification when a new primary singleton service provider is elected.

For more information, see [HA Singleton Service Election Listener](#) in the *Development Guide* for JBoss EAP.

#### The distributable-web subsystem for Distributable Web Session Configurations

The new **distributable-web** subsystem of JBoss EAP facilitates flexible and distributable web session configurations. The subsystem deprecates the **<replication-config>** element of **jboss-web.xml**.



For more information, see [The distributable-web subsystem for Distributable Web Session Configurations](#) in the *Development Guide* and [Overriding Default Distributable Session Management Behavior](#) in the *Migration Guide* for JBoss EAP.

### Ability to Store Session Data in a Remote Red Hat Data Grid Cluster

The **distributable-web** subsystem can be configured to store web session data in a remote Red Hat Data Grid Cluster using the HotRod protocol. Storing web session data in a remote cluster allows the cache layer to scale independently of the application servers.

For information about configuring the **distributable-web** subsystem, see the [Storing Web Session Data In a Remote Red Hat Data Grid](#) in the *Development Guide* for JBoss EAP.

## 2.5. MESSAGING

### Configure the Timeout Value for Opening a Message Journal File

You can now configure the timeout value for opening message journal files using the **journal-file-open-timeout** attribute.

For more information about configuring the **journal-file-open-timeout** attribute, see [Configuring Message Journal Attributes](#) in the *Configuring Messaging* book for JBoss EAP.

### Change in Artemis Logging Codes

Artemis logging codes for Artemis core protocol have changed, whereas the Advanced Message Queuing Protocol (AMQP) codes remain the same. This creates a problem if you are monitoring issues based on these codes.

The logging codes changed because the codes were duplicated between AMQP and the Artemis core protocol.

### Omit Prefix on Destination Names

You can configure a connection factory or pooled connection factory to omit the destination name prefix when communicating with a remote Artemis server. Use this option when configuring communication with a remote Artemis 2.x that is not in compatibility mode.

For more information, see [Using the Integrated Artemis Resource Adapter for Remote Connections](#), step 3, or [Configuring the Artemis Resource Adapter to Connect to Red Hat AMQ](#), step 4, in the *Configuring Messaging* book for JBoss EAP.

### Messaging Enhancements for Load Balancers

In addition to existing support for static HTTP load balancers, load balancers using mod\_cluster are now supported. For more information, see [Messaging Behind a Load Balancer](#) in the *Configuring Messaging* book for JBoss EAP.

Messaging to clusters behind load balancers is now fully supported. Clients communicating with clusters behind an HTTP load balancer must re-use the initial connection rather than using the cluster topology. For more information, see [Client configuration for messaging behind a load balancer](#) in the *Configuring Messaging* book for JBoss EAP.

## 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.

#### Internal Datasources and Drivers for OpenShift JDK 11 image

The following internal datasources and drivers are no longer provided with the JBoss EAP for OpenShift JDK 11 image:

- MySQL
- PostgreSQL
- MongoDB

It is recommended that you use JDBC drivers obtained from your database vendor for your JBoss EAP applications.

For more information about installing drivers, see the [Modules, Drivers, and Generic Deployments](#) section in [Getting Started with JBoss EAP for OpenShift Container Platform](#).

For more information on configuring JDBC drivers with JBoss EAP, see the [JDBC drivers](#) section in the JBoss EAP Configuration Guide.

### 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 17](#) to view the list of issues that have been resolved for this release.

## CHAPTER 5. FIXED CVEs

JBoss EAP Continuous Delivery 17 does not include any fixed CVEs.

## CHAPTER 6. KNOWN ISSUES

See [Known Issues for JBoss EAP CD 17](#) to view the list of known issues for this release.

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