Red Hat JBoss Core Services 2.4.37 Red Hat JBoss Core Services Apache HTTP Server 2.4.37 Service Pack 8 Release Notes

For Use with the Red Hat JBoss Core Services Apache HTTP Server 2.4.37
Legal Notice

Copyright © 2021 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 Core Services Apache HTTP Server 2.4.37.
# Table of Contents

PREFACE .................................................................................................................. 3

CHAPTER 1. INSTALLING THE RED HAT JBOSS CORE SERVICES 2.4.37 ......................... 4

CHAPTER 2. UPGRADING TO THE RED HAT JBOSS CORE SERVICES APACHE HTTP SERVER 2.4.37 ..... 5
    Prerequisites 5
    Procedure 5
    Additional Resources 5

CHAPTER 3. SECURITY FIXES ..................................................................................... 6

CHAPTER 4. RESOLVED ISSUES ................................................................................. 7

CHAPTER 5. KNOWN ISSUES ..................................................................................... 8

CHAPTER 6. UPGRADED COMPONENTS ..................................................................... 9
Welcome to the Red Hat JBoss Core Services version 2.4.37 Service Pack 8 release.

Red Hat JBoss Core Services Apache HTTP Server is an open source web server developed by the Apache Software Foundation. Features of Apache HTTP Server include:

- Implements the current HTTP standards, including HTTP/1.1 and HTTP/2.
- Transport Layer Security (TLS) encryption support through OpenSSL, providing secure connections between the web server and web clients.
- Extendable though modules, some of which are included with the Red Hat JBoss Core Services Apache HTTP Server.

**IMPORTANT**

Red Hat Enterprise Linux 6 is no longer supported and subsequently was removed from the documentation.
CHAPTER 1. INSTALLING THE RED HAT JBOSS CORE SERVICES 2.4.37

The Apache HTTP Server 2.4.37 can be installed using one of the following sections of the installation guide:

- For installation instructions for Red Hat Enterprise Linux systems, see:
  - Installing JBoss Core Services Apache HTTP Server on Red Hat Enterprise Linux: Installation using .zip archives.
  - Installing JBoss Core Services Apache HTTP Server on Red Hat Enterprise Linux: Installation using RPM packages.

- For installation instructions for Microsoft Windows systems, see: Installing JBoss Core Services Apache HTTP Server on Microsoft Windows.
CHAPTER 2. UPGRADING TO THE RED HAT JBOSS CORE SERVICES APACHE HTTP SERVER 2.4.37

For systems where an earlier version of the Red Hat JBoss Core Services Apache HTTP Server was installed from a .zip archive, upgrading to the Apache HTTP Server 2.4.37 requires:

1. Installing the Apache HTTP Server 2.4.37.
2. Setting up the Apache HTTP Server 2.4.37.
3. Removing the earlier version of Apache HTTP Server.

Prerequisites

- Administrative access (Windows Server)
- A system where the Red Hat JBoss Core Services Apache HTTP Server 2.4.29 or earlier was installed from a .zip archive.

Procedure

For systems using the Red Hat JBoss Core Services Apache HTTP Server 2.4.29, the recommended procedure for upgrading to the Apache HTTP Server 2.4.37 is:

1. Shutdown any running instances of Red Hat JBoss Core Services Apache HTTP Server 2.4.29.
2. Backup the Red Hat JBoss Core Services Apache HTTP Server 2.4.29 installation and configuration files.
3. Install the Red Hat JBoss Core Services Apache HTTP Server 2.4.37 using the .zip installation method for the current system (see Additional Resources below).
4. Migrate your configuration from the Red Hat JBoss Core Services Apache HTTP Server version 2.4.29 to version 2.4.37.

NOTE

The Apache HTTP Server configuration files may have changed since the Apache HTTP Server 2.4.29 release. It is recommended that you update the 2.4.37 version configuration files, rather than overwrite them with the configuration files from a different version (such as the Apache HTTP Server 2.4.29).

5. Remove the Red Hat JBoss Core Services Apache HTTP Server 2.4.29 root directory.

Additional Resources

- Installing JBoss Core Services Apache HTTP Server on Microsoft Windows.
# CHAPTER 3. SECURITY FIXES

This update includes the following security fixes:

<table>
<thead>
<tr>
<th>ID</th>
<th>Impact</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>CVE-2020-8284</td>
<td>Moderate</td>
<td>curl: FTP PASV command response can cause curl to connect to arbitrary host [jbcs-httpd-2.4]</td>
</tr>
<tr>
<td>CVE-2020-8286</td>
<td>Moderate</td>
<td>curl: inferior OCSP verification [jbcs-httpd-2.4]</td>
</tr>
<tr>
<td>CVE-2020-8169</td>
<td>Moderate</td>
<td>curl: libcurl: partial password leak over DNS on HTTP redirect [jbcs-httpd-2.4]</td>
</tr>
<tr>
<td>CVE-2021-22876</td>
<td>Moderate</td>
<td>curl: Leak of authentication credentials in URL via automatic Referer [jbcs-httpd-2.4]</td>
</tr>
<tr>
<td>CVE-2020-8285</td>
<td>Moderate</td>
<td>curl: malicious FTP server can trigger stack overflow when CURLOPT_CHUNK_BGN_FUNCTION is used [jbcs-httpd-2.4]</td>
</tr>
<tr>
<td>CVE-2021-22890</td>
<td>Low</td>
<td>curl: TLS 1.3 session ticket mix-up with HTTPS proxy host [jbcs-httpd-2.4]</td>
</tr>
<tr>
<td>CVE-2021-22901</td>
<td>Important</td>
<td>curl: Use-after-free in TLS session handling when using OpenSSL TLS backend [jbcs-httpd-2.4]</td>
</tr>
<tr>
<td>CVE-2021-31618</td>
<td>Important</td>
<td>httpd: NULL pointer dereference on specially crafted HTTP/2 request [jbcs-httpd-2.4]</td>
</tr>
</tbody>
</table>
## CHAPTER 4. RESOLVED ISSUES

The following are resolved issues for this release:

<table>
<thead>
<tr>
<th>Issue</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>JBCS-1100</td>
<td>mod_cluster never removes hung JVM that has requests routed to it.</td>
</tr>
<tr>
<td>JBCS-1131</td>
<td>HTTP 400 error for FQDN/URL with more than 14 character</td>
</tr>
<tr>
<td>JBCS-1075</td>
<td>HTTP/1.1 is broken with using WebSockets (and mod_cluster) in SP6</td>
</tr>
<tr>
<td>JBCS-1111</td>
<td>/opt/rh/jbcs-httpd24/root/usr/sbin/apx looks broken... missing deps</td>
</tr>
</tbody>
</table>
CHAPTER 5. KNOWN ISSUES

There are no known issues for this release:
## CHAPTER 6. UPGRADED COMPONENTS

This release includes upgraded versions of the following packages:

<table>
<thead>
<tr>
<th>Component</th>
<th>Version</th>
<th>Operating Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>curl</td>
<td>7.77.0</td>
<td>Windows</td>
</tr>
<tr>
<td>libcurl</td>
<td>7.77.0</td>
<td>RHEL 7 &amp; RHEL 8</td>
</tr>
</tbody>
</table>