



Red Hat JBoss Core Services 2.4.37

Red Hat JBoss Core Services Apache HTTP Server 2.4.37 Service Pack 2 Release Notes

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

Red Hat JBoss Core Services 2.4.37 Red Hat JBoss Core Services Apache HTTP Server 2.4.37 Service Pack 2 Release Notes

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

Legal Notice

Copyright © 2022 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	7
CHAPTER 4. RESOLVED ISSUES	8
CHAPTER 5. KNOWN ISSUES	9
CHAPTER 6. UPGRADED COMPONENTS	10

PREFACE

Welcome to the Red Hat JBoss Core Services version 2.4.37 Service Pack 2 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 through modules, some of which are included with the Red Hat JBoss Core Services Apache HTTP Server.

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



NOTE

Where a Red Hat JBoss Core Services Apache HTTP Server 2.4.29 or earlier was installed from RPMs packages using **yum**, the Apache HTTP Server can be upgraded with **yum upgrade**.

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 Service Pack 2 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

- Root user access (Red Hat Enterprise Linux systems)
- 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

- 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.](#)
- [Installing JBoss Core Services Apache HTTP Server on Microsoft Windows .](#)

CHAPTER 3. SECURITY FIXES

This update includes fixes for the following security related issues:

ID	Impact	Summary
CVE-2019-1547	Moderate	openssl: side-channel weak encryption vulnerability
CVE-2019-1549	Low	openssl: information disclosure in fork()
CVE-2019-1563	Low	openssl: information disclosure in PKCS7_dataDecode and CMS_decrypt_set1_pkey
CVE-2019-10081	Moderate	httpd: memory corruption on early pushes
CVE-2019-10082	Moderate	httpd: read-after-free in h2 connection shutdown
CVE-2019-10092	Low	httpd: limited cross-site scripting in mod_proxy error page
CVE-2019-10097	Moderate	httpd: null-pointer dereference in mod_remoteip
CVE-2019-10098	Low	httpd: mod_rewrite potential open redirect
CVE-2020-1927	Moderate	httpd: mod_rewrite configurations vulnerable to open redirect

CHAPTER 4. RESOLVED ISSUES

The following are resolved issues for this release:

Issue	Summary
JBCS-854	mod_cluster + mod_proxy_wstunnel doesn't work - all workers are in an error state
JBCS-855	[DOC bug] no Descriptions in the patch detail page
JBCS-879	Windows postinstall fails on Windows Server 2019
JBCS-880	increase postinstall's verbosity
JBCS-930	support secret="secret" in AJP nodes

CHAPTER 5. KNOWN ISSUES

The following are known issues for this release:

Issue	Summary
JBCS-854	mod_cluster + mod_proxy_wstunnel doesn't work - all workers are in an error state
JBCS-924	Missing openssl.cnf

CHAPTER 6. UPGRADED COMPONENTS

This release does not include any upgraded components.