Red Hat JBoss Core Services 2.4.57

Red Hat JBoss Core Services Apache HTTP Server 2.4.57 Service Pack 5 Release Notes

For Use with the Red Hat JBoss Core Services Apache HTTP Server 2.4.57

Last Updated: 2024-08-13

Red Hat JBoss Core Services 2.4.57 Red Hat JBoss Core Services Apache HTTP Server 2.4.57 Service Pack 5 Release Notes

For Use with the Red Hat JBoss Core Services Apache HTTP Server 2.4.57

Legal Notice

Copyright © 2024 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 2.4.57.

Table of Contents

PREFACE 3

PROVIDING FEEDBACK ON RED HAT JBOSS CORE SERVICES DOCUMENTATION 4

MAKING OPEN SOURCE MORE INCLUSIVE 5

CHAPTER 1. NEW FEATURES AND ENHANCEMENTS 6
1.1. JBCS SUPPORT FOR UNSAFEALLOW3F FLAG FOR URL REWRITES 6
1.2. JBCS SUPPORT FOR UNSAFEPREFIXSTAT FLAG FOR URL REWRITES 6

CHAPTER 2. INSTALLING THE RED HAT JBOSS CORE SERVICES 2.4.57 7

CHAPTER 3. UPGRADING TO THE RED HAT JBOSS CORE SERVICES APACHE HTTP SERVER 2.4.57 8
Upgrading JBCS when installed from RPM packages 8
Upgrading JBCS when installed from an archive file 8
Additional Resources 9

CHAPTER 4. RESOLVED ISSUES 10

CHAPTER 5. KNOWN ISSUES 11

CHAPTER 6. SUPPORTED COMPONENTS 12

CHAPTER 7. ADVISORIES RELATED TO THIS RELEASE 13

PREFACE

Welcome to the Red Hat JBoss Core Services version 2.4.57 Service Pack 5 release.

Red Hat JBoss Core Services Apache HTTP Server is an open source web server developed by the Apache Software Foundation. The Apache HTTP Server includes the following features:

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

This release of Red Hat JBoss Core Services includes some important security updates.

PROVIDING FEEDBACK ON RED HAT JBOSS CORE SERVICES DOCUMENTATION

To report an error or to improve our documentation, log in to your Red Hat Jira account and submit an issue. If you do not have a Red Hat Jira account, then you will be prompted to create an account.

Procedure

1. Click the following link to **create a ticket**.
2. Enter a brief description of the issue in the **Summary**.
3. Provide a detailed description of the issue or enhancement in the **Description**. Include a URL to where the issue occurs in the documentation.
4. Clicking **Create** creates and routes the issue to the appropriate documentation team.

MAKING OPEN SOURCE MORE INCLUSIVE

Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see our CTO Chris Wright's message.

CHAPTER 1. NEW FEATURES AND ENHANCEMENTS

Red Hat JBoss Core Services (JBCS) 2.4.57 Service Pack 5 includes the following new features and enhancements.

1.1. JBCS SUPPORT FOR UNSAFEALLOW3F FLAG FOR URL REWRITES

JBCS 2.4.57 Service Pack 5 introduces support for the **UnsafeAllow3F** flag, which you can specify as part of the **RewriteRule** directive of the **mod_rewrite** module.

You must set the **UnsafeAllow3F** flag if you want to allow a URL rewrite to continue when the HTTP request has an encoded question mark, **%3f**, and the rewritten result has a **?** character in the substitution. This flag protects the HTTP request from a malicious URL that could take advantage of a capture and re-substitution of the encoded question mark.

For more information, see RewriteRule Flags: UnsafeAllow3F.

1.2. JBCS SUPPORT FOR UNSAFEPREFIXSTAT FLAG FOR URL REWRITES

JBCS 2.4.57 Service Pack 5 introduces support for the **UnsafePrefixStat** flag, which you can specify as part of the **RewriteRule** directive of the **mod_rewrite** module.

You must set the **UnsafePrefixStat** flag in server-scoped substitutions that start with a variable or back-reference and resolve to a file-system path. These substitutions are not prefixed with the document root. This flag protects the HTTP request from a malicious URL that could cause the expanded substitution to map to an unexpected file-system location.

For more information, see RewriteRule Flags: UnsafePrefixStat.

CHAPTER 2. INSTALLING THE RED HAT JBOSS CORE SERVICES 2.4.57

You can install the Apache HTTP Server 2.4.57 on Red Hat Enterprise Linux or Windows Server. For more information, see the following sections of the installation guide:

- Installing the JBCS Apache HTTP Server on RHEL from archive files
- Installing the JBCS Apache HTTP Server on RHEL from RPM packages
- Installing the JBCS Apache HTTP Server on Windows Server

CHAPTER 3. UPGRADING TO THE RED HAT JBOSS CORE SERVICES APACHE HTTP SERVER 2.4.57

The steps to upgrade to the latest Red Hat JBoss Core Services (JBCS) release differ depending on whether you previously installed JBCS from RPM packages or from an archive file.

Upgrading JBCS when installed from RPM packages

If you installed an earlier release of the JBCS Apache HTTP Server from RPM packages on RHEL 7 or RHEL 8 by using the **yum groupinstall** command, you can upgrade to the latest release. You can use the **yum groupupdate** command to upgrade to the 2.4.57 release on RHEL 7 or RHEL 8.

NOTE

JBCS does not provide an RPM distribution of the Apache HTTP Server on RHEL 9.

Upgrading JBCS when installed from an archive file

If you installed an earlier release of the JBCS Apache HTTP Server from an archive file, you must perform the following steps to upgrade to the Apache HTTP Server 2.4.57:

1. Install the Apache HTTP Server 2.4.57.
2. Set up the Apache HTTP Server 2.4.57.
3. Remove the earlier version of Apache HTTP Server.

The following procedure describes the recommended steps for upgrading a JBCS Apache HTTP Server 2.4.51 release that you installed from archive files to the latest 2.4.57 release.

Prerequisites

- If you are using Red Hat Enterprise Linux, you have root user access.
- If you are using Windows Server, you have administrative access.
- The Red Hat JBoss Core Services Apache HTTP Server 2.4.51 or earlier was previously installed in your system from an archive file.

Procedure

1. Shut down any running instances of Red Hat JBoss Core Services Apache HTTP Server 2.4.51.
2. Back up the Red Hat JBoss Core Services Apache HTTP Server 2.4.51 installation and configuration files.
3. Install the Red Hat JBoss Core Services Apache HTTP Server 2.4.57 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 2.4.51 to version 2.4.57.

NOTE

The Apache HTTP Server configuration files might have changed since the Apache HTTP Server 2.4.51 release. Consider updating the 2.4.57 version configuration files rather than overwrite them with the configuration files from a different version, such as the Apache HTTP Server 2.4.51.

5. Remove the Red Hat JBoss Core Services Apache HTTP Server 2.4.51 root directory.

Additional Resources

- Installing the JBCS Apache HTTP Server on RHEL from archive files
- Installing the JBCS Apache HTTP Server on RHEL from RPM packages
- Installing the JBCS Apache HTTP Server on Windows Server

CHAPTER 4. RESOLVED ISSUES

There are no resolved issues for this release.

For details of any security fixes in this release, see the errata links in Advisories related to this release .

CHAPTER 5. KNOWN ISSUES

There are no known issues for this release.

CHAPTER 6. SUPPORTED COMPONENTS

For a full list of component versions that are supported in this release of Red Hat JBoss Core Services, see the Core Services Apache HTTP Server Component Details page. Before you attempt to access the Component Details page, you must ensure that you have an active Red Hat subscription and you are logged in to the Red Hat Customer Portal.

CHAPTER 7. ADVISORIES RELATED TO THIS RELEASE

The following advisories have been issued to document enhancements, bugfixes, and CVE fixes included in this release.

- RHSA-2024:5239
- RHSA-2024:5240