



# Red Hat JBoss Core Services 2.4.57

## Red Hat JBoss Core Services Apache HTTP Server 2.4.57 Service Pack 3 Release Notes

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



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## Abstract

These release notes contain important information related to the Red Hat JBoss Core Services Apache HTTP Server 2.4.57.

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## PREFACE

Welcome to the Red Hat JBoss Core Services version 2.4.57 Service Pack 3 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

# 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 **Submit** 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 (JBOS) 2.4.57 Service Pack 3 includes the following new features and enhancements.

## 1.1. RESPONSESTATUSCODEONNOCONTEXT DIRECTIVE FOR MOD\_PROXY\_CLUSTER

From the JBOS 2.4.57 Service Pack 3 release onward, the **mod\_proxy\_cluster** module also includes a **ResponseStatusCodeOnNoContext** directive. You can use the **ResponseStatusCodeOnNoContext** directive to specify the response status code that the server sends to the client when a **ProxyPass** or **ProxyPassMatch** directive does not have a matching context. The default status code is **404**.



### NOTE

In JBOS 2.4.51 or earlier, when a **ProxyPass** or **ProxyPassMatch** directive did not have a matching context, the server sent a **503** status code by default. If you want to preserve the default behavior that was available in earlier releases, set the **ResponseStatusCodeOnNoContext** directive to **503** instead.

If you specify a value other than a standard HTTP response code, the server access log shows the specified value but the server sends a **500 Internal Server Error** response to the client.

## 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 (JBOS) release differ depending on whether you previously installed JBOS from RPM packages or from an archive file.

### Upgrading JBOS when installed from RPM packages

If you installed an earlier release of the JBOS 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

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

### Upgrading JBOS when installed from an archive file

If you installed an earlier release of the JBOS 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.

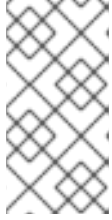
The following procedure describes the recommended steps for upgrading a JBOS Apache HTTP Server 2.4.51 release that you installed from archive files to the latest 2.4.57 release.

#### 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

The following issues are resolved for this release:

Issue	Summary
<a href="#">JBCS-1700</a>	[RHEL9] Upgrade mod_jk to 1.2.49 to be in sync with the version used by all other JBSC releases
<a href="#">JBCS-1678</a>	[RHEL9] Upgrade mod_proxy_cluster to 1.3.20 to be in sync with the version used by all other JBSC releases
<a href="#">JBCS-1642</a>	mod_proxy_cluster returns 404 now instead of 503 when there's no matching context
<a href="#">JBCS-1476</a>	jbcs-httpd24-httpd has no dependency to jbcs-httpd24-brotli
<a href="#">JBCS-1460</a>	mod_cluster leaks memory with httpd 2.4.53+
<a href="#">JBCS-1369</a>	mod_cluster returns rare but unexpected 404/503
<a href="#">JBCS-1179</a>	[Doc] Review the prerequisite package for RHEL8

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-2024:1316](#)
- [RHSA-2024:1317](#)