



# **Red Hat JBoss Core Services 2.4.29**

## **Red Hat JBoss Core Services Apache HTTP Server 2.4.29 Release Notes**

For Use with the Red Hat JBoss Core Services Apache HTTP Server 2.4.29



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## Abstract

These release notes contain important information related to the Red Hat JBoss Core Services Apache HTTP Server 2.4.29.

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## PREFACE

Welcome to the Red Hat JBoss Core Services version 2.4.29 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 2.4.29

The Apache HTTP Server 2.4.29 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.](#)
- For installation instructions for Solaris systems, see: [Installing Apache HTTP Server on Solaris.](#)



## CHAPTER 2. UPGRADING TO THE RED HAT JBOSS CORE SERVICES APACHE HTTP SERVER 2.4.29



### NOTE

Where a Red Hat JBoss Core Services Apache HTTP Server 2.4.23 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 2.4.29 requires:

1. Installing the Apache HTTP Server 2.4.29.
2. Setting up the Apache HTTP Server 2.4.29.
3. Removing the earlier version of Apache HTTP Server.

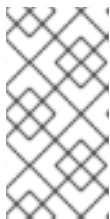
### Prerequisites

- Root user access (Red Hat Enterprise Linux and Solaris systems)
- Administrative access (Windows Server)
- A system where the Red Hat JBoss Core Services Apache HTTP Server 2.4.23 or earlier was installed from a .zip archive.

### Procedure

For systems using the Red Hat JBoss Core Services Apache HTTP Server 2.4.23, the recommended procedure for upgrading to the Apache HTTP Server 2.4.29 is:

1. Shutdown any running instances of Red Hat JBoss Core Services Apache HTTP Server 2.4.23.
2. Backup the Red Hat JBoss Core Services Apache HTTP Server 2.4.23 installation and configuration files.
3. Install the Red Hat JBoss Core Services Apache HTTP Server 2.4.29 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 2.4.23 to version 2.4.29.



### NOTE

The Apache HTTP Server configuration files may have changed since the Apache HTTP Server 2.4.23 release. It is recommended that you update the 2.4.29 version configuration files, rather than overwrite them with the configuration files from a different version (such as Apache HTTP Server 2.4.23).

5. Remove the Red Hat JBoss Core Services Apache HTTP Server 2.4.23 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.](#)
- For installation instructions for Microsoft Windows systems, see: [Installing JBoss Core Services Apache HTTP Server on Microsoft Windows.](#)
- For installation instructions for Solaris systems, see: [Installing Apache HTTP Server on Solaris.](#)

## CHAPTER 3. SECURITY FIXES

This update includes fixes for the following security related issues:

ID	Impact	Summary
<a href="#">CVE-2016-0718</a>	Moderate	expat: Out-of-bounds heap read on crafted input causing crash
<a href="#">CVE-2016-7167</a>	Low	curl: escape and unescape integer overflows
<a href="#">CVE-2016-8615</a>	Moderate	curl: Cookie injection for other servers
<a href="#">CVE-2016-8616</a>	Low	curl: Case insensitive password comparison
<a href="#">CVE-2016-8617</a>	Moderate	curl: Out-of-bounds write via unchecked multiplication
<a href="#">CVE-2016-8618</a>	Moderate	curl: Double-free in curl_maprintf
<a href="#">CVE-2016-8619</a>	Moderate	curl: Double-free in krb5 code
<a href="#">CVE-2016-8621</a>	Low	curl: curl_getdate out-of-bounds read
<a href="#">CVE-2016-8622</a>	Low	curl: URL unescape heap overflow via integer truncation
<a href="#">CVE-2016-8623</a>	Low	curl: Use-after-free via shared cookies
<a href="#">CVE-2016-8624</a>	Moderate	curl: Invalid URL parsing with '#'
<a href="#">CVE-2016-8625</a>	Moderate	curl: IDNA 2003 makes curl use wrong host
<a href="#">CVE-2016-9598</a>	Moderate	libxml2: out-of-bounds read (unfixed CVE-2016-4483 in JBCS)
<a href="#">CVE-2017-6004</a>	Moderate	pcre: Out-of-bounds read in compile_bracket_matchingpath function (8.41/3)
<a href="#">CVE-2017-7186</a>	Moderate	pcre: Invalid Unicode property lookup (8.41/7, 10.24/2)

ID	Impact	Summary
<a href="#">CVE-2017-7244</a>	Low	pcre: invalid memory read in _pcre32_xclass (pcre_xclass.c)
<a href="#">CVE-2017-7245</a>	Low	pcre: stack-based buffer overflow write in pcre32_copy_substring
<a href="#">CVE-2017-7246</a>	Low	pcre: stack-based buffer overflow write in pcre32_copy_substring
<a href="#">CVE-2017-1000254</a>	Moderate	curl: FTP PWD response parser out of bounds read
<a href="#">CVE-2017-1000257</a>	Moderate	curl: IMAP FETCH response out of bounds read
<a href="#">CVE-2018-0500</a>	Moderate	curl: Heap-based buffer overflow in Curl_smtp_escape_eob() when uploading data over SMTP

## CHAPTER 4. RESOLVED ISSUES

See the JBoss Developer bug tracking software for a list of the [resolved issues for Red Hat JBoss Core Services 2.4.29](#).

## CHAPTER 5. KNOWN ISSUES

See the JBoss Developer bug tracking software for a list of the [known issues for Red Hat JBoss Core Services 2.4.29](#).

## CHAPTER 6. UPGRADED COMPONENTS

This release includes upgraded versions of the following packages:

Component	Version	Operating Systems
jsvc	1.1.0	All
mod_jk	1.2.43	All
expat	2.2.5	Microsoft Windows and Solaris
nghttp2	1.29.0	All
libxml2	2.9.7	Microsoft Windows and Solaris
openssl	1.0.2.n	All
pcre	8.41	Microsoft Windows and Solaris
curl	7.57.0	Microsoft Windows and Solaris

## CHAPTER 7. COMPONENT VERSIONS FOR THIS RELEASE

This release includes the following components:

JBCS Component	Operating System(s)	Version	Comment
Apache HTTP Server	All	2.4.29	Web server with libraries and tools
JSVC	All	1.1.0	Also known as Apache Commons Daemons
mod_jk	All	1.2.43	Apache HTTP Server load balancer
ISAPI	Microsoft Windows	1.2.43	Microsoft IIS load balancer
NSAPI	Solaris	1.2.43	Oracle iPlanet load balancer
mod_cluster	All	1.3.8	Apache HTTP Server load balancer
curl	Microsoft Windows, Solaris	7.57.0	HTTP client tool
libapr	All	1.6.3	Apache Portable Runtime
libaprutil	All	1.6.1	Apache Portable Runtime Util
Lua	Microsoft Windows, Solaris	5.1.4	Lua scripting language interpreter
OpenSSL	All	1.0.2n	Crypto libraries and openssl executable tool
LibXML	Microsoft Windows, Solaris	2.9.7	XML processing library and xmllint validator
mod_bmx	All	0.9.6-2.GA	JMX API for monitoring httpd
awk (nawk)	Microsoft Windows	2012.07.14	Text processing interpreter
ModSecurity	All	2.9.1-23.GA	Application layer firewall



JBCS Component	Operating System(s)	Version	Comment
nghttp2	All	1.29.0	HTTP/2.0 client/server library
libdb	Microsoft Windows, Solaris	4.8.30	Berkeley DB 4.8.30: (April 9, 2010)
krb5	Solaris	1.9.final	krb and gssapi utils with httpd
pcre	Microsoft Windows, Solaris	8.41	Regular expressions engine
expat	Microsoft Windows, Solaris	2.2.5	XML parser
iconv	Microsoft Windows	1.14	Charset encodings and conversions
zlib	Microsoft Windows, Solaris	1.2.7	Compression library