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## RHSA-2018:3558 - Security Advisory

Issued: 2018-11-13    Updated: 2018-11-13

[Overview](#)

[Updated Packages](#)

### Synopsis

Moderate: httpd24 security, bug fix, and enhancement update

### Type/Severity

Security Advisory: Moderate

#### Red Hat Lightspeed patch analysis

Identify and remediate systems affected by this advisory.

[View affected systems](#) 

### Topic

An update for httpd24-httpd, httpd24-nghttp2, and httpd24-curl is now available for Red Hat Software Collections.

Red Hat Product Security has rated this update as having a security impact of Moderate. A Common Vulnerability Scoring System (CVSS) base score, which gives a detailed severity rating, is available for each vulnerability from the CVE link(s) in the References section.

## Description

The Apache HTTP Server is a powerful, efficient, and extensible web server. The httpd24 packages provide a recent stable release of version 2.4 of the Apache HTTP Server, along with the mod\_auth\_kerb module.

The following packages have been upgraded to a later upstream version: httpd24-httpd (2.4.34), httpd24-curl (7.61.1). (BZ#1590833, BZ#1648928)

### Security Fix(es):

- httpd: Improper handling of headers in mod\_session can allow a remote user to modify session data for CGI applications (CVE-2018-1283)
- httpd: Out of bounds read in mod\_cache\_socache can allow a remote attacker to cause DoS (CVE-2018-1303)
- httpd: mod\_http2: Too much time allocated to workers, possibly leading to DoS (CVE-2018-1333)
- httpd: DoS for HTTP/2 connections by continuous SETTINGS frames (CVE-2018-11763)
- httpd: Out of bounds write in mod\_authnz\_ldap when using too small Accept-Language values (CVE-2017-15710)
- httpd: <FilesMatch> bypass with a trailing newline in the file name (CVE-2017-15715)
- httpd: Out of bounds access after failure in reading the HTTP request (CVE-2018-1301)
- httpd: Weak Digest auth nonce generation in mod\_auth\_digest (CVE-2018-1312)
- curl: Multiple security issues were fixed in httpd24-curl (CVE-2016-5419, CVE-2016-5420, CVE-2016-5421, CVE-2016-7141, CVE-2016-7167, CVE-2016-8615, CVE-2016-8616, CVE-2016-8617, CVE-2016-8618, CVE-2016-8619, CVE-2016-8620, CVE-2016-8621, CVE-2016-8622, CVE-2016-8623, CVE-2016-8624, CVE-2016-8625, CVE-2016-9586, CVE-2017-1000100, CVE-2017-1000101, CVE-2017-1000254, CVE-2017-1000257, CVE-2017-7407, CVE-2017-8816, CVE-2017-8817, CVE-2018-1000007, CVE-2018-1000120, CVE-2018-1000121, CVE-2018-1000122, CVE-2018-1000301, CVE-2018-14618)

For more details about the security issue(s), including the impact, a CVSS score, and other related information, refer to the CVE page(s) listed in the References section.

Red Hat would like to thank the Curl project for reporting CVE-2017-8816, CVE-2017-8817, CVE-2017-1000254, CVE-2017-1000257, CVE-2018-1000007, CVE-2018-1000120, CVE-2018-1000122, CVE-2018-1000301, CVE-2016-9586, CVE-2017-1000100, CVE-2017-1000101, CVE-2018-14618, and CVE-2018-1000121. Upstream acknowledges Alex Nichols as the original reporter of CVE-2017-8816; the OSS-Fuzz project as the original reporter of CVE-2017-8817 and CVE-2018-1000301; Max Dymond as the original reporter of CVE-2017-1000254 and CVE-2018-1000122; Brian Carpenter and the OSS-Fuzz project as the original reporters of CVE-2017-1000257; Craig de Stigter as the original reporter of CVE-2018-1000007; Duy Phan Thanh as the original reporter of CVE-2018-

1000120; Even Rouault as the original reporter of CVE-2017-1000100; Brian Carpenter as the original reporter of CVE-2017-1000101; Zhaoyang Wu as the original reporter of CVE-2018-14618; and Dario Weisser as the original reporter of CVE-2018-1000121.

#### Bug Fix(es):

- Previously, the Apache HTTP Server from the httpd24 Software Collection was unable to handle situations when static content was repeatedly requested in a browser by refreshing the page. As a consequence, HTTP/2 connections timed out and httpd became unresponsive. This bug has been fixed, and HTTP/2 connections now work as expected in the described scenario. (BZ#1518737)

#### Enhancement(s):

- This update adds the mod\_md module to the httpd24 Software Collection. This module enables managing domains across virtual hosts and certificate provisioning using the Automatic Certificate Management Environment (ACME) protocol. The mod\_md module is available only for Red Hat Enterprise Linux 7. (BZ#1640722)

#### Additional Changes:

For detailed information on changes in this release, see the Red Hat Software Collections 3.2 Release Notes linked from the References section.

## Solution

For details on how to apply this update, which includes the changes described in this advisory, refer to:

<https://access.redhat.com/articles/11258> 

After installing the updated packages, the httpd daemon will be restarted automatically.



















## Affected Products

- Red Hat Software Collections (for RHEL Server) 1 for RHEL 7.7 x86\_64
- Red Hat Software Collections (for RHEL Server for System Z) 1 for RHEL 7.7 s390x
- Red Hat Software Collections (for RHEL Server for IBM Power LE) 1 for RHEL 7.7 ppc64le
- Red Hat Software Collections (for RHEL Server) 1 for RHEL 7.6 x86\_64
- Red Hat Software Collections (for RHEL Server for System Z) 1 for RHEL 7.6 s390x
- Red Hat Software Collections (for RHEL Server for IBM Power LE) 1 for RHEL 7.6 ppc64le
- Red Hat Software Collections (for RHEL Server) 1 for RHEL 7.5 x86\_64
- Red Hat Software Collections (for RHEL Server for System Z) 1 for RHEL 7.5 s390x
- Red Hat Software Collections (for RHEL Server for IBM Power LE) 1 for RHEL 7.5 ppc64le
- Red Hat Software Collections (for RHEL Server) 1 for RHEL 7.4 x86\_64

- Red Hat Software Collections (for RHEL Server for System Z) 1 for RHEL 7.4 s390x
- Red Hat Software Collections (for RHEL Server for IBM Power LE) 1 for RHEL 7.4 ppc64le
- Red Hat Software Collections (for RHEL Server) 1 for RHEL 7 x86\_64
- Red Hat Software Collections (for RHEL Server for System Z) 1 for RHEL 7 s390x
- Red Hat Software Collections (for RHEL Server for IBM Power LE) 1 for RHEL 7 ppc64le
- Red Hat Software Collections (for RHEL Server for ARM) 1 aarch64
- Red Hat Software Collections (for RHEL Server) 1 for RHEL 6 x86\_64
- Red Hat Software Collections (for RHEL Workstation) 1 for RHEL 7 x86\_64
- Red Hat Software Collections (for RHEL Workstation) 1 for RHEL 6 x86\_64

## Fixes

- [BZ - 1362183](#)  - CVE-2016-5419 curl: TLS session resumption client cert bypass
- [BZ - 1362190](#)  - CVE-2016-5420 curl: Re-using connection with wrong client cert
- [BZ - 1362199](#)  - CVE-2016-5421 curl: Use of connection struct after free
- [BZ - 1373229](#)  - CVE-2016-7141 curl: Incorrect reuse of client certificates
- [BZ - 1375906](#)  - CVE-2016-7167 curl: escape and unescape integer overflows
- [BZ - 1388370](#)  - CVE-2016-8615 curl: Cookie injection for other servers
- [BZ - 1388371](#)  - CVE-2016-8616 curl: Case insensitive password comparison
- [BZ - 1388377](#)  - CVE-2016-8617 curl: Out-of-bounds write via unchecked multiplication
- [BZ - 1388378](#)  - CVE-2016-8618 curl: Double-free in curl\_maprintf
- [BZ - 1388379](#)  - CVE-2016-8619 curl: Double-free in krb5 code
- [BZ - 1388382](#)  - CVE-2016-8620 curl: Glob parser write/read out of bounds
- [BZ - 1388385](#)  - CVE-2016-8621 curl: curl\_getdate out-of-bounds read
- [BZ - 1388386](#)  - CVE-2016-8622 curl: URL unescape heap overflow via integer truncation
- [BZ - 1388388](#)  - CVE-2016-8623 curl: Use-after-free via shared cookies
- [BZ - 1388390](#)  - CVE-2016-8624 curl: Invalid URL parsing with '#'
- [BZ - 1388392](#)  - CVE-2016-8625 curl: IDNA 2003 makes curl use wrong host
- [BZ - 1406712](#)  - CVE-2016-9586 curl: printf floating point buffer overflow
- [BZ - 1439190](#)  - CVE-2017-7407 curl: --write-out out of bounds read
- [BZ - 1478309](#)  - CVE-2017-1000101 curl: URL globbing out of bounds read
- [BZ - 1478310](#)  - CVE-2017-1000100 curl: TFTP sends more than buffer size
- [BZ - 1495541](#)  - CVE-2017-1000254 curl: FTP PWD response parser out of bounds read
- [BZ - 1503705](#)  - CVE-2017-1000257 curl: IMAP FETCH response out of bounds read
- [BZ - 1515757](#)  - CVE-2017-8816 curl: NTLM buffer overflow via integer overflow
- [BZ - 1515760](#)  - CVE-2017-8817 curl: FTP wildcard out of bounds read
- [BZ - 1518737](#)  - HTTP/2 connections hang and timeout
- [BZ - 1537125](#)  - CVE-2018-1000007 curl: HTTP authentication leak in redirects
- [BZ - 1540167](#)  - provides without httpd24 pre/in-fix
- [BZ - 1552628](#)  - CVE-2018-1000120 curl: FTP path trickery leads to NIL byte out of bounds write
- [BZ - 1552631](#)  - CVE-2018-1000121 curl: LDAP NULL pointer dereference

- [BZ - 1553398](#)  - CVE-2018-1000122 curl: RTSP RTP buffer over-read
- [BZ - 1558450](#)  - Not able to use SSLOpenSSLConfCmd with httpd24-httpd-2.4.27.
- [BZ - 1560395](#)  - CVE-2018-1283 httpd: Improper handling of headers in mod\_session can allow a remote user to modify session data for CGI applications
- [BZ - 1560399](#)  - CVE-2018-1303 httpd: Out of bounds read in mod\_cache\_socache can allow a remote attacker to cause DoS
- [BZ - 1560599](#)  - CVE-2017-15710 httpd: Out of bounds write in mod\_authnz\_ldap when using too small Accept-Language values
- [BZ - 1560614](#)  - CVE-2017-15715 httpd: <FilesMatch> bypass with a trailing newline in the file name
- [BZ - 1560634](#)  - CVE-2018-1312 httpd: Weak Digest auth nonce generation in mod\_auth\_digest
- [BZ - 1560643](#)  - CVE-2018-1301 httpd: Out of bounds access after failure in reading the HTTP request
- [BZ - 1575536](#)  - CVE-2018-1000301 curl: Out-of-bounds heap read when missing RTSP headers allows information leak of denial of service
- [BZ - 1605048](#)  - CVE-2018-1333 httpd: mod\_http2: Too much time allocated to workers, possibly leading to DoS
- [BZ - 1622707](#)  - CVE-2018-14618 curl: NTLM password overflow via integer overflow
- [BZ - 1628389](#)  - Make OCSP more configurable (like CRL)
- [BZ - 1633260](#)  - mod\_session missing apr-util-openssl
- [BZ - 1633399](#)  - CVE-2018-11763 httpd: DoS for HTTP/2 connections by continuous SETTINGS frames
- [BZ - 1634830](#)  - FTBFS: httpd24-httpd
- [BZ - 1640722](#)  - mod\_md is missing in httpd24-httpd
- [BZ - 1646937](#)  - Unable to start httpd
- [BZ - 1648928](#)  - Rebase curl to the latest version

## CVEs

- [CVE-2016-5419](#) 
- [CVE-2016-5420](#) 
- [CVE-2016-5421](#) 
- [CVE-2016-7141](#) 
- [CVE-2016-7167](#) 
- [CVE-2016-8615](#) 
- [CVE-2016-8616](#) 
- [CVE-2016-8617](#) 
- [CVE-2016-8618](#) 
- [CVE-2016-8619](#) 
- [CVE-2016-8620](#) 
- [CVE-2016-8621](#) 

- [CVE-2016-8622](#)
- [CVE-2016-8623](#)
- [CVE-2016-8624](#)
- [CVE-2016-8625](#)
- [CVE-2016-9586](#)
- [CVE-2017-7407](#)
- [CVE-2017-8816](#)
- [CVE-2017-8817](#)
- [CVE-2017-15710](#)
- [CVE-2017-15715](#)
- [CVE-2017-1000100](#)
- [CVE-2017-1000101](#)
- [CVE-2017-1000254](#)
- [CVE-2017-1000257](#)
- [CVE-2018-1283](#)
- [CVE-2018-1301](#)
- [CVE-2018-1303](#)
- [CVE-2018-1312](#)
- [CVE-2018-1333](#)
- [CVE-2018-11763](#)
- [CVE-2018-14618](#)
- [CVE-2018-1000007](#)
- [CVE-2018-1000120](#)
- [CVE-2018-1000121](#)
- [CVE-2018-1000122](#)
- [CVE-2018-1000301](#)

## References

- <https://access.redhat.com/security/updates/classification/#moderate>
- [https://access.redhat.com/documentation/en-us/red\\_hat\\_software\\_collections/3/html/3.2\\_release\\_notes/chap-rhsc/#sect-RHSC-Changes-httpd](https://access.redhat.com/documentation/en-us/red_hat_software_collections/3/html/3.2_release_notes/chap-rhsc/#sect-RHSC-Changes-httpd)

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The Red Hat security contact is [secalert@redhat.com](mailto:secalert@redhat.com). More contact details at <https://access.redhat.com/security/team/contact/>.



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