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## RHSA-2019:3701 - Security Advisory

Issued: 2019-11-05    Updated: 2019-11-05

[Overview](#)[Updated Packages](#)

### Synopsis

Moderate: curl security and bug fix 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 curl is now available for Red Hat Enterprise Linux 8.

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 curl packages provide the libcurl library and the curl utility for downloading files from servers using various protocols, including HTTP, FTP, and LDAP.

Security Fix(es):

- curl: NTLM type-2 heap out-of-bounds buffer read (CVE-2018-16890)
- wget: Information exposure in set\_file\_metadata function in xattr.c (CVE-2018-20483)
- curl: NTLMv2 type-3 header stack buffer overflow (CVE-2019-3822)
- curl: SMTP end-of-response out-of-bounds read (CVE-2019-3823)

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

Additional Changes:

For detailed information on changes in this release, see the Red Hat Enterprise Linux 8.1 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> 

## Affected Products

- Red Hat Enterprise Linux for x86\_64 8 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Extended Update Support Extension 8.8 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Extended Update Support 8.8 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Extended Update Support Extension 8.6 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Extended Update Support 8.6 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Extended Update Support 8.4 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Extended Update Support Extension 8.4 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Extended Update Support 8.2 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Extended Update Support 8.1 x86\_64
- Red Hat Enterprise Linux Server - AUS 8.6 x86\_64
- Red Hat Enterprise Linux Server - AUS 8.4 x86\_64
- Red Hat Enterprise Linux Server - AUS 8.2 x86\_64
- Red Hat Enterprise Linux for IBM z Systems 8 s390x
- Red Hat Enterprise Linux for IBM z Systems - Extended Update Support 8.8 s390x
- Red Hat Enterprise Linux for IBM z Systems - Extended Update Support 8.6 s390x

- Red Hat Enterprise Linux for IBM z Systems - Extended Update Support 8.4 s390x
- Red Hat Enterprise Linux for IBM z Systems - Extended Update Support 8.2 s390x
- Red Hat Enterprise Linux for IBM z Systems - Extended Update Support 8.1 s390x
- Red Hat Enterprise Linux for Power, little endian 8 ppc64le
- Red Hat Enterprise Linux for Power, little endian - Extended Update Support 8.8 ppc64le
- Red Hat Enterprise Linux for Power, little endian - Extended Update Support 8.6 ppc64le
- Red Hat Enterprise Linux for Power, little endian - Extended Update Support 8.4 ppc64le
- Red Hat Enterprise Linux for Power, little endian - Extended Update Support 8.2 ppc64le
- Red Hat Enterprise Linux for Power, little endian - Extended Update Support 8.1 ppc64le
- Red Hat Enterprise Linux Server - TUS 8.8 x86\_64
- Red Hat Enterprise Linux Server - TUS 8.6 x86\_64
- Red Hat Enterprise Linux Server - TUS 8.4 x86\_64
- Red Hat Enterprise Linux Server - TUS 8.2 x86\_64
- Red Hat Enterprise Linux for ARM 64 8 aarch64
- Red Hat Enterprise Linux for ARM 64 - Extended Update Support 8.8 aarch64
- Red Hat Enterprise Linux for ARM 64 - Extended Update Support 8.6 aarch64
- Red Hat Enterprise Linux for ARM 64 - Extended Update Support 8.4 aarch64
- Red Hat Enterprise Linux for ARM 64 - Extended Update Support 8.2 aarch64
- Red Hat Enterprise Linux for ARM 64 - Extended Update Support 8.1 aarch64
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 8.8 ppc64le
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 8.6 ppc64le
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 8.4 ppc64le
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 8.2 ppc64le
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 8.1 ppc64le
- Red Hat Enterprise Linux for x86\_64 - Update Services for SAP Solutions 8.8 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Update Services for SAP Solutions 8.6 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Update Services for SAP Solutions 8.4 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Update Services for SAP Solutions 8.2 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Update Services for SAP Solutions 8.1 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Extended Life Cycle 8.10 x86\_64
- Red Hat Enterprise Linux for ARM 64 - Extended Life Cycle 8.10 aarch64
- Red Hat Enterprise Linux for Power, little endian - Extended Life Cycle 8.10 ppc64le
- Red Hat Enterprise Linux for IBM z Systems - Extended Life Cycle 8.10 s390x

## Fixes

- [BZ - 1662705](#) - CVE-2018-20483 wget: Information exposure in set\_file\_metadata function in xattr.c

- [BZ - 1669156](#) - connection re-use does not work for SCP and SFTP
- [BZ - 1670252](#) - CVE-2018-16890 curl: NTLM type-2 heap out-of-bounds buffer read
- [BZ - 1670254](#) - CVE-2019-3822 curl: NTLMv2 type-3 header stack buffer overflow
- [BZ - 1670256](#) - CVE-2019-3823 curl: SMTP end-of-response out-of-bounds read

## CVEs

- [CVE-2018-16890](#)
- [CVE-2018-20483](#)
- [CVE-2019-3822](#)
- [CVE-2019-3823](#)

## References

- <https://access.redhat.com/security/updates/classification/#moderate>
- [https://access.redhat.com/documentation/en-us/red\\_hat\\_enterprise\\_linux/8/html/8.1\\_release\\_notes/](https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/8/html/8.1_release_notes/)

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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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