RHSA-2025:16116 - Security Advisory

Issued: 2025-09-17 Updated: 2025-09-17

Overview

Updated Packages

Synopsis

Moderate: gnutls 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 gnutls is now available for Red Hat Enterprise Linux 9.

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 gnutls packages provide the GNU Transport Layer Security (GnuTLS) library, which implements cryptographic algorithms and protocols such as SSL, TLS, and DTLS.

Security Fix(es):

- gnutls: Vulnerability in GnuTLS certtool template parsing (CVE-2025-32990)
- gnutls: Vulnerability in GnuTLS SCT extension parsing (CVE-2025-32989)
- gnutls: Vulnerability in GnuTLS otherName SAN export (CVE-2025-32988)
- gnutls: NULL pointer dereference in _gnutls_figure_common_ciphersuite() (CVE-2025-6395)

Bug Fix(es) and Enhancement(s):

- gnutls: Vulnerability in GnuTLS certtool template parsing (BZ#2359620)
- gnutls: Vulnerability in GnuTLS SCT extension parsing (BZ#2359621)
- gnutls: Vulnerability in GnuTLS otherName SAN export (BZ#2359622)
- gnutls: NULL pointer dereference in _gnutls_figure_common_ciphersuite() (BZ#2376755)

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.

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 9 x86_64
- Red Hat Enterprise Linux for x86_64 - Extended Update Support 9.6 x86_64
- Red Hat Enterprise Linux Server - AUS 9.6 x86_64
- Red Hat Enterprise Linux for IBM z Systems 9 s390x
- Red Hat Enterprise Linux for IBM z Systems - Extended Update Support 9.6 s390x
- Red Hat Enterprise Linux for Power, little endian 9 ppc64le
- Red Hat Enterprise Linux for Power, little endian - Extended Update Support 9.6 ppc64le
- Red Hat Enterprise Linux for ARM 64 9 aarch64
- Red Hat Enterprise Linux for ARM 64 - Extended Update Support 9.6 aarch64
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 9.6 ppc64le
- Red Hat Enterprise Linux for x86_64 - Update Services for SAP Solutions 9.6 x86_64
- Red Hat Enterprise Linux for ARM 64 - 4 years of updates 9.6 aarch64

- Red Hat Enterprise Linux for IBM z Systems - 4 years of updates 9.6 s390x
- Red Hat Enterprise Linux for x86_64 - Extended Life Cycle 9.6 x86_64
- Red Hat Enterprise Linux for ARM 64 - Extended Life Cycle 9.6 aarch64
- Red Hat Enterprise Linux for Power, little endian - Extended Life Cycle 9.6 ppc64le
- Red Hat Enterprise Linux for IBM z Systems - Extended Life Cycle 9.6 s390x

Fixes

- BZ - 2359620 - CVE-2025-32990 gnutls: Vulnerability in GnuTLS certtool template parsing
- BZ - 2359621 - CVE-2025-32989 gnutls: Vulnerability in GnuTLS SCT extension parsing
- BZ - 2359622 - CVE-2025-32988 gnutls: Vulnerability in GnuTLS otherName SAN export
- BZ - 2376755 - CVE-2025-6395 gnutls: NULL pointer dereference in _gnutls_figure_common_ciphersuite()

CVEs

- CVE-2025-6395
- CVE-2025-32988
- CVE-2025-32989
- CVE-2025-32990

References

- https://access.redhat.com/security/updates/classification/#moderate

---

The Red Hat security contact is secalert@redhat.com. More contact details at https://access.redhat.com/security/team/contact/.

Quick Links

Help

Site Info

Related Sites

⚠ Service under maintenance

About Red Hat
Jobs
Events
Locations
Contact Red Hat
Red Hat Blog
Inclusion at Red Hat
Cool Stuff Store
Red Hat Summit

© 2026 Red Hat

Privacy statement
Terms of use
All policies and guidelines
Digital accessibility
Cookie Preferences and Opt-Out Rights