



# Bug 2423177 (CVE-2025-14831) - CVE-2025-14831 gnutls: GnuTLS: Denial of Service via excessive resource consumption during certificate verification

**Keywords:** Security

**Reported:** 2025-12-17 14:52 UTC by OSIDB Bzimport

**Status:** NEW

**Modified:** 2026-04-07 07:53 UTC ([History](#))

**Alias:** CVE-2025-14831

**CC List:** 6 users ([show](#))

**Product:** Security Response

**Fixed In Version:**

**Component:** vulnerability

**Clone Of:**

**Environment:**

**Version:** unspecified

**Last Closed:**

**Embargoed:**

**Hardware:** All

**OS:** Linux

**Priority:** medium

**Severity:** medium

**Target Milestone:** ---

**Assignee:** Product Security DevOps Team

**QA Contact:**

**Docs Contact:**

**URL:**

**Whiteboard:**

**Depends On:** [2437986](#) [2437987](#)

**Blocks:**

**TreeView+** [depends on](#) / [blocked](#)


|                    |                                |
|--------------------|--------------------------------|
| <b>Attachments</b> | <a href="#">(Terms of Use)</a> |
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## Links

| System                 | ID                             | Private | Priority | Status | Summary | Last Updated            |
|------------------------|--------------------------------|---------|----------|--------|---------|-------------------------|
| Red Hat Product Errata | <a href="#">RHBA-2026:4361</a> | 0       | None     | None   | None    | 2026-03-11 15:36:08 UTC |
| Red Hat Product Errata | <a href="#">RHBA-2026:4478</a> | 0       | None     | None   | None    | 2026-03-12 13:10:00 UTC |
| Red Hat Product Errata | <a href="#">RHBA-2026:4485</a> | 0       | None     | None   | None    | 2026-03-12 13:21:44 UTC |

|                        |                                |   |      |      |      |                         |
|------------------------|--------------------------------|---|------|------|------|-------------------------|
| Red Hat Product Errata | <a href="#">RHBA-2026:4486</a> | 0 | None | None | None | 2026-03-12 15:05:13 UTC |
| Red Hat Product Errata | <a href="#">RHBA-2026:5650</a> | 0 | None | None | None | 2026-03-24 16:23:36 UTC |
| Red Hat Product Errata | <a href="#">RHBA-2026:5654</a> | 0 | None | None | None | 2026-03-24 16:48:04 UTC |
| Red Hat Product Errata | <a href="#">RHBA-2026:5820</a> | 0 | None | None | None | 2026-03-25 14:36:35 UTC |
| Red Hat Product Errata | <a href="#">RHBA-2026:5839</a> | 0 | None | None | None | 2026-03-25 17:50:16 UTC |
| Red Hat Product Errata | <a href="#">RHBA-2026:6197</a> | 0 | None | None | None | 2026-03-30 17:24:10 UTC |
| Red Hat Product Errata | <a href="#">RHBA-2026:6258</a> | 0 | None | None | None | 2026-03-31 12:32:30 UTC |
| Red Hat Product Errata | <a href="#">RHBA-2026:6479</a> | 0 | None | None | None | 2026-04-02 14:15:44 UTC |
| Red Hat Product Errata | <a href="#">RHSA-2026:3477</a> | 0 | None | None | None | 2026-03-02 01:32:52 UTC |
| Red Hat Product Errata | <a href="#">RHSA-2026:4188</a> | 0 | None | None | None | 2026-03-10 23:26:33 UTC |
| Red Hat Product Errata | <a href="#">RHSA-2026:5585</a> | 0 | None | None | None | 2026-03-24 10:24:58 UTC |
| Red Hat Product Errata | <a href="#">RHSA-2026:6618</a> | 0 | None | None | None | 2026-04-06 03:24:37 UTC |
| Red Hat Product Errata | <a href="#">RHSA-2026:6630</a> | 0 | None | None | None | 2026-04-06 07:01:23 UTC |
| Red Hat                | <a href="#">RHSA-2026:6737</a> | 0 | None | None | None | 2026-04-07              |

|                        |                                |   |      |      |      |                         |
|------------------------|--------------------------------|---|------|------|------|-------------------------|
| Product Errata         |                                |   |      |      |      | 07:50:00 UTC            |
| Red Hat Product Errata | <a href="#">RHSA-2026:6738</a> | 0 | None | None | None | 2026-04-07 07:53:33 UTC |

OSIDB Bzimport  2025-12-17 14:52:47 UTC[Description](#)

Verifying Certificates with large amount of name constraints and subject alternative names makes GnuTLS vulnerable to DoS attacks

When trying to verify a certificate chain using the certtool -verify command, with certificates, that contain a larger number of SANs and Name Constraints, GnuTLS tries to verify all of them, without any bound on the quantity of those fields.

Using those crafted malicious certificate, GnuTLS is vulnerable to DoS attacks by excessive usage of CPU and memory.

errata-xmlrpc 2026-03-02 01:32:50 UTC

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This issue has been addressed in the following products:

Red Hat Enterprise Linux 10

Via [RHSA-2026:3477](#) <https://access.redhat.com/errata/RHSA-2026:3477>

errata-xmlrpc 2026-03-10 23:26:31 UTC

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This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via [RHSA-2026:4188](#) <https://access.redhat.com/errata/RHSA-2026:4188>

errata-xmlrpc 2026-03-24 10:24:57 UTC

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This issue has been addressed in the following products:

Red Hat Enterprise Linux 8

Via [RHSA-2026:5585](#) <https://access.redhat.com/errata/RHSA-2026:5585>

2026:5585

errata-xmlrpc 2026-04-06 03:24:36 UTC

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This issue has been addressed in the following products:

Red Hat Enterprise Linux 10.0 Extended Update Support

Via RHSA-2026:6618 <https://access.redhat.com/errata/RHSA-2026:6618>

errata-xmlrpc 2026-04-06 07:01:21 UTC

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This issue has been addressed in the following products:

Red Hat Enterprise Linux 9.6 Extended Update Support

Via RHSA-2026:6630 <https://access.redhat.com/errata/RHSA-2026:6630>

errata-xmlrpc 2026-04-07 07:49:58 UTC

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This issue has been addressed in the following products:

Red Hat Enterprise Linux 9.2 Update Services for SAP Solutions

Via RHSA-2026:6737 <https://access.redhat.com/errata/RHSA-2026:6737>

errata-xmlrpc 2026-04-07 07:53:32 UTC

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This issue has been addressed in the following products:

Red Hat Enterprise Linux 9.4 Extended Update Support

Via RHSA-2026:6738 <https://access.redhat.com/errata/RHSA-2026:6738>

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