



Bug 2310137 (CVE-2024-8176) - CVE-2024-8176 libexpat: expat: Improper Restriction of XML Entity Expansion Depth in libexpat

Keywords: Security

Reported: 2024-09-05 06:52 UTC by OSIDB Bzimport

Status: NEW

Modified: 2026-04-30 04:30 UTC ([History](#))

Alias: CVE-2024-8176

CC List: 47 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:

Blocks:

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

Attachments	(Terms of Use)

Links


System	ID	Private	Priority	Status	Summary	Last Updated
Red Hat Product Errata	RHBA-2025:3561	0	None	None	None	2025-04-03 05:15:06 UTC
Red Hat Product Errata	RHBA-2025:3594	0	None	None	None	2025-04-03 13:52:38 UTC
Red Hat Product Errata	RHBA-2025:3598	0	None	None	None	2025-04-03 19:21:16 UTC

Red Hat Product Errata	RHBA-2025:3761	0	None	None	None	2025-04-09 15:25:16 UTC
Red Hat Product Errata	RHBA-2025:3786	0	None	None	None	2025-04-10 07:16:25 UTC
Red Hat Product Errata	RHBA-2025:3829	0	None	None	None	2025-04-14 01:18:16 UTC
Red Hat Product Errata	RHBA-2025:3831	0	None	None	None	2025-04-14 06:22:02 UTC
Red Hat Product Errata	RHBA-2025:3920	0	None	None	None	2025-04-15 17:51:23 UTC
Red Hat Product Errata	RHBA-2025:3933	0	None	None	None	2025-04-15 21:06:13 UTC
Red Hat Product Errata	RHBA-2025:3934	0	None	None	None	2025-04-15 21:31:48 UTC
Red Hat Product Errata	RHBA-2025:3936	0	None	None	None	2025-04-16 04:54:03 UTC
Red Hat Product Errata	RHBA-2025:3942	0	None	None	None	2025-04-16 08:12:26 UTC
Red Hat Product Errata	RHBA-2025:3943	0	None	None	None	2025-04-16 08:23:14 UTC
Red Hat Product Errata	RHBA-2025:3956	0	None	None	None	2025-04-16 16:06:22 UTC
Red Hat Product Errata	RHBA-2025:3960	0	None	None	None	2025-04-16 19:27:49 UTC
Red Hat Product Errata	RHBA-2025:3975	0	None	None	None	2025-04-17 06:36:32 UTC
Red Hat	RHBA-2025:3985	0	None	None	None	2025-04-17

Product Errata						12:27:39 UTC
Red Hat Product Errata	RHBA-2025:4000	0	None	None	None	2025-04-17 16:14:53 UTC
Red Hat Product Errata	RHBA-2025:4006	0	None	None	None	2025-04-17 22:06:37 UTC
Red Hat Product Errata	RHBA-2025:4037	0	None	None	None	2025-04-21 14:45:18 UTC
Red Hat Product Errata	RHBA-2025:4042	0	None	None	None	2025-04-21 22:30:37 UTC
Red Hat Product Errata	RHBA-2025:4167	0	None	None	None	2025-04-24 13:37:55 UTC
Red Hat Product Errata	RHBA-2025:4168	0	None	None	None	2025-04-24 11:45:10 UTC
Red Hat Product Errata	RHBA-2025:4189	0	None	None	None	2025-04-24 15:17:50 UTC
Red Hat Product Errata	RHBA-2025:7582	0	None	None	None	2025-05-14 10:06:17 UTC
Red Hat Product Errata	RHBA-2025:7681	0	None	None	None	2025-05-15 13:19:40 UTC
Red Hat Product Errata	RHBA-2025:8030	0	None	None	None	2025-05-20 09:24:15 UTC
Red Hat Product Errata	RHBA-2025:8045	0	None	None	None	2025-05-20 13:47:05 UTC
Red Hat Product Errata	RHBA-2025:8745	0	None	None	None	2025-06-10 09:59:59 UTC
Red Hat Product Errata	RHSA-2025:13681	0	None	None	None	2025-08-14 13:51:07 UTC

Red Hat Product Errata	RHSA-2025:22033	0	None	None	None	2025-11-25 07:50:21 UTC
Red Hat Product Errata	RHSA-2025:22034	0	None	None	None	2025-11-25 07:27:54 UTC
Red Hat Product Errata	RHSA-2025:22035	0	None	None	None	2025-11-25 07:12:42 UTC
Red Hat Product Errata	RHSA-2025:22607	0	None	None	None	2025-12-02 14:16:40 UTC
Red Hat Product Errata	RHSA-2025:22785	0	None	None	None	2025-12-04 23:09:26 UTC
Red Hat Product Errata	RHSA-2025:22842	0	None	None	None	2025-12-08 11:32:41 UTC
Red Hat Product Errata	RHSA-2025:22871	0	None	None	None	2025-12-08 20:28:40 UTC
Red Hat Product Errata	RHSA-2025:3531	0	None	None	None	2025-04-02 14:46:36 UTC
Red Hat Product Errata	RHSA-2025:3913	0	None	None	None	2025-04-15 16:21:57 UTC
Red Hat Product Errata	RHSA-2025:4048	0	None	None	None	2025-04-22 01:20:32 UTC
Red Hat Product Errata	RHSA-2025:4446	0	None	None	None	2025-05-05 01:47:06 UTC
Red Hat Product Errata	RHSA-2025:4447	0	None	None	None	2025-05-05 01:25:09 UTC
Red Hat Product Errata	RHSA-2025:4448	0	None	None	None	2025-05-05 01:44:56 UTC
Red Hat	RHSA-2025:4449	0	None	None	None	2025-05-05

Product Errata						01:51:08 UTC
Red Hat Product Errata	RHSA-2025:7444	0	None	None	None	2025-05-13 11:58:45 UTC
Red Hat Product Errata	RHSA-2025:7512	0	None	None	None	2025-05-13 16:01:44 UTC

OSIDB Bzimport  2024-09-05 06:52:55 UTC[Description](#)

The libexpat library is vulnerable to a stack overflow due to uncontrolled recursion when processing deeply nested XML entities. This can cause the application to crash, resulting in a denial of service (DoS) or potentially leading to memory corruption, depending on the user's environment and how the library is used. The issue is triggered by supplying a specially crafted XML document designed to create a long chain of recursive entities.

errata-xmlrpc 2025-04-02 14:46:33 UTC

[Comment 2](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via [RHSA-2025:3531](#) <https://access.redhat.com/errata/RHSA-2025:3531>

errata-xmlrpc 2025-04-15 16:21:54 UTC

[Comment 3](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8

Via [RHSA-2025:3913](#) <https://access.redhat.com/errata/RHSA-2025:3913>

errata-xmlrpc 2025-04-22 01:20:28 UTC

[Comment 4](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8

Via [RHSA-2025:4048](#) <https://access.redhat.com/errata/RHSA-2025:4048>

[2025:4048](#)

errata-xmlrpc 2025-05-05 01:25:05 UTC

[Comment 5](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8.2 Advanced Update Support

Via RHSA-2025:4447 <https://access.redhat.com/errata/RHSA-2025:4447>

errata-xmlrpc 2025-05-05 01:44:51 UTC

[Comment 6](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8.4 Advanced Mission Critical Update Support

Red Hat Enterprise Linux 8.4 Telecommunications Update Service

Red Hat Enterprise Linux 8.4 Update Services for SAP Solutions

Via RHSA-2025:4448 <https://access.redhat.com/errata/RHSA-2025:4448>

errata-xmlrpc 2025-05-05 01:46:57 UTC

[Comment 7](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8.8 Extended Update Support

Via RHSA-2025:4446 <https://access.redhat.com/errata/RHSA-2025:4446>

errata-xmlrpc 2025-05-05 01:51:04 UTC

[Comment 8](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8.6 Advanced Mission Critical Update Support

Red Hat Enterprise Linux 8.6 Update Services for SAP Solutions

Red Hat Enterprise Linux 8.6 Telecommunications Update Service

Via RHSA-2025:4449 <https://access.redhat.com/errata/RHSA-2025:4449>

[2025:4449](#)

errata-xmlrpc 2025-05-13 11:58:41 UTC

[Comment 9](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via RHSA-2025:7444 <https://access.redhat.com/errata/RHSA-2025:7444>

errata-xmlrpc 2025-05-13 16:01:40 UTC

[Comment 10](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 10

Via RHSA-2025:7512 <https://access.redhat.com/errata/RHSA-2025:7512>

errata-xmlrpc 2025-08-14 13:51:03 UTC

[Comment 12](#)

This issue has been addressed in the following products:

Red Hat JBoss Core Services 2.4.62.SP1

Via RHSA-2025:13681 <https://access.redhat.com/errata/RHSA-2025:13681>

errata-xmlrpc 2025-11-25 07:12:37 UTC

[Comment 13](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9.0 Update Services for SAP Solutions

Via RHSA-2025:22035 <https://access.redhat.com/errata/RHSA-2025:22035>

errata-xmlrpc 2025-11-25 07:27:49 UTC

[Comment 14](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9.2 Update Services for SAP Solutions

Via RHSA-2025:22034 <https://access.redhat.com/errata/RHSA-2025:22034>

errata-xmlrpc 2025-11-25 07:50:16 UTC

[Comment 15](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9.4 Extended Update Support

Via RHSA-2025:22033 <https://access.redhat.com/errata/RHSA-2025:22033>

errata-xmlrpc 2025-12-02 14:16:34 UTC

[Comment 16](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8.8 Update Services for SAP Solutions

Red Hat Enterprise Linux 8.8 Telecommunications Update Service

Via RHSA-2025:22607 <https://access.redhat.com/errata/RHSA-2025:22607>

errata-xmlrpc 2025-12-04 23:09:21 UTC

[Comment 17](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8.4 Advanced Mission Critical Update Support

Red Hat Enterprise Linux 8.4 Extended Update Support Long-Life Add-On

Via RHSA-2025:22785 <https://access.redhat.com/errata/RHSA-2025:22785>

errata-xmlrpc 2025-12-08 11:32:36 UTC

[Comment 18](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8.6 Advanced Mission Critical

Update Support

Red Hat Enterprise Linux 8.6 Update Services for SAP
Solutions

Red Hat Enterprise Linux 8.6 Telecommunications Update
Service

Via RHSA-2025:22842 <https://access.redhat.com/errata/RHSA-2025:22842>

errata-xmlrpc 2025-12-08 20:28:34 UTC

[Comment 19](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8.2 Advanced Update Support

Via RHSA-2025:22871 <https://access.redhat.com/errata/RHSA-2025:22871>

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