



# tracing: Consider the NULL character when validating the event length

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2024-50131
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2024-11-05 18:15:15 UTC
<b>Updated</b>	2026-05-12 13:16:17 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: tracing: Consider the NULL character when validating the

## Risk And Classification

**Primary CVSS:** v3.1 7.8 HIGH from nvd@nist.gov

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

**Problem Types:** CWE-120

## CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All

## Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected dec65d79fd269d05427c8167090bfc9c3d0b56c4 5e3231
CNA	Linux	Linux	affected dec65d79fd269d05427c8167090bfc9c3d0b56c4 02874c
CNA	Linux	Linux	affected dec65d79fd269d05427c8167090bfc9c3d0b56c4 b86b0c
CNA	Linux	Linux	affected dec65d79fd269d05427c8167090bfc9c3d0b56c4 f4ed40
CNA	Linux	Linux	affected dec65d79fd269d05427c8167090bfc9c3d0b56c4 a14a07
CNA	Linux	Linux	affected dec65d79fd269d05427c8167090bfc9c3d0b56c4 5fd942
CNA	Linux	Linux	affected dec65d79fd269d05427c8167090bfc9c3d0b56c4 0b6e2e
CNA	Linux	Linux	affected 5.1
CNA	Linux	Linux	unaffected 5.1 semver
CNA	Linux	Linux	unaffected 5.4.285 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.229 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.170 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.115 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.59 6.6.* semver
CNA	Linux	Linux	unaffected 6.11.6 6.11.* semver
CNA	Linux	Linux	unaffected 6.12 * original_commit_for_fix
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

## References

Reference	Source	Link
git.kernel.org/stable/c/0b6e2e22cb23105fcb171ab92f0f7516c69c8471	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/b86b0d6eea204116e4185acc35041ca4ff11a642	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/5e3231b352725ff4a3a0095e6035af674f2d8725	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
lists.debian.org/debian-lts-announce/2025/03/msg00002.html	af854a3a-2127-422b-91ae-364da2661108	<a href="https://lists.debian.org">lists.debian.org</a>
git.kernel.org/stable/c/a14a075a14af8d622c576145455702591bdde09d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
cert-portal.siemens.com/productcert/html/ssa-265688.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	<a href="https://cert-portal.siemens.com">cert-portal.siemens.co</a>
git.kernel.org/stable/c/02874ca52df2ca2423ba6122039315ed61c25972	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/f4ed40d1c669bba1a54407d8182acdc405683f29	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
lists.debian.org/debian-lts-announce/2025/01/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	<a href="https://lists.debian.org">lists.debian.org</a>

<a href="https://git.kernel.org/stable/c/5fd942598ddeed9a212d1ff41f9f5b47bcc990a7">git.kernel.org/stable/c/5fd942598ddeed9a212d1ff41f9f5b47bcc990a7</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

© [CVE.report](https://cve.report) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](https://www.mitre.org) and the authoritative source of CVE content is [MITRE's CVE web site](https://www.mitre.org/cve). This site includes MITRE data granted under the following [license](#).

**Free CVE JSON API** [cve.report/api](https://cve.report/api)

**CVE.report and Source URL Uptime Status** [status.cve.report](https://status.cve.report)