tracing: Limit access to parser->buffer when trace_get_user failed

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2025-39683
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-09-05 18:15:44 UTC
Updated	2026-05-12 13:17:04 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: tracing: Limit access to parser->buffer when trace_get_us

Risk And Classification

Primary CVSS: v3.1 7.1 HIGH from nvd@nist.gov

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

Problem Types: CWE-125

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

None

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:N/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 634684d79733124f7470b226b0f42aada4426b07 b842ef39c2a
CNA	Linux	Linux	affected 8c9af478c06bb1ab1422f90d8ecbc53defd44bc3 41b838420457
CNA	Linux	Linux	affected 8c9af478c06bb1ab1422f90d8ecbc53defd44bc3 418b448e1d74
CNA	Linux	Linux	affected 8c9af478c06bb1ab1422f90d8ecbc53defd44bc3 58ff8064cb4c7
CNA	Linux	Linux	affected 8c9af478c06bb1ab1422f90d8ecbc53defd44bc3 d0c68045b8b0
CNA	Linux	Linux	affected 8c9af478c06bb1ab1422f90d8ecbc53defd44bc3 3079517a5ba8
CNA	Linux	Linux	affected 8c9af478c06bb1ab1422f90d8ecbc53defd44bc3 6a909ea83f22
CNA	Linux	Linux	affected 24cd31752f47699b89b4b3471155c8e599a1a23a git
CNA	Linux	Linux	affected e9cb474de7ff7a970c2a3951c12ec7e3113c0c35 git
CNA	Linux	Linux	affected 6ab671191f64b0da7d547e2ad4dc199ca7e5b558 git
CNA	Linux	Linux	affected 3d9281a4ac7171c808f9507f0937eb236b353905 git
CNA	Linux	Linux	affected 0b641b25870f02e2423e494365fc5243cc1e2759 git
CNA	Linux	Linux	affected ffd51dbfd2900e50c71b5c069fe407957e52d61f git
CNA	Linux	Linux	affected cdd107d7f18158d966c2bc136204fe826dac445c git
CNA	Linux	Linux	affected 5.13
CNA	Linux	Linux	unaffected 5.13 semver
CNA	Linux	Linux	unaffected 5.10.241 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.190 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.149 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.103 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.44 6.12.* semver
CNA	Linux	Linux	unaffected 6.16.4 6.16.* semver
CNA	Linux	Linux	unaffected 6.17 * original_commit_for_fix
ADP	Siemens	SIMATIC CN 4100	affected V5.0 custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIPLUS S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom

References

Reference	Source	Link
git.kernel.org/stable/c/41b838420457802f21918df66764b6fbf829d330	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/10/msg00008.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/6a909ea83f226803ea0e718f6e88613df9234d58	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-082556.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/418b448e1d7470da9d4d4797f71782595ee69c49	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/b842ef39c2ad6156c13afdec25ecc6792a9b67b9	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-032379.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/3079517a5ba80901fe828a06998da64b9b8749be	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/d0c68045b8b0f3737ed7bd6b8c83b7887014adee	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/10/msg00007.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/58ff8064cb4c7eddac4da1a59da039ead586950a	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

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