



MIPS: Don't crash in stack_top() for tasks without ABI or vDSO

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2025-38696
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-09-04 16:15:38 UTC
Updated	2026-05-12 13:16:59 UTC

Description In the Linux kernel, the following vulnerability has been resolved: MIPS: Don't crash in stack_top() for tasks without ABI or v

Risk And Classification

Primary CVSS: v3.1 5.5 MEDIUM from nvd@nist.gov

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

Problem Types: CWE-476

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/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 ea7e0480a4b695d0aa6b3fa99bd658a003122113 ab18e48a503230d675e824a0d68a108t
CNA	Linux	Linux	affected ea7e0480a4b695d0aa6b3fa99bd658a003122113 e78033e59444d257d095b73ce5d20625
CNA	Linux	Linux	affected ea7e0480a4b695d0aa6b3fa99bd658a003122113 bd90dbd196831f5c2620736dc221db26c
CNA	Linux	Linux	affected ea7e0480a4b695d0aa6b3fa99bd658a003122113 5b6839b572b503609b9b58bc6c04a816
CNA	Linux	Linux	affected ea7e0480a4b695d0aa6b3fa99bd658a003122113 f22de2027b206ddfb8a075800bb5d0dac
CNA	Linux	Linux	affected ea7e0480a4b695d0aa6b3fa99bd658a003122113 82d140f6aab5e89a9d3972697a0dbe14
CNA	Linux	Linux	affected ea7e0480a4b695d0aa6b3fa99bd658a003122113 24d098b6f69b0aa806ffc3e18259bee3
CNA	Linux	Linux	affected ea7e0480a4b695d0aa6b3fa99bd658a003122113 cddf47d20b0325dc8a4e57b833fe96e8f
CNA	Linux	Linux	affected ea7e0480a4b695d0aa6b3fa99bd658a003122113 e9f4a6b3421e936c3ee9d74710243897
CNA	Linux	Linux	affected 86717a97f9218de798c6d33e0014ab9325e18f56 git
CNA	Linux	Linux	affected e4882348eaa9f5f052cb21d2a5aa99a063e4308b git
CNA	Linux	Linux	affected 4.19
CNA	Linux	Linux	unaffected 4.19 semver
CNA	Linux	Linux	unaffected 5.4.297 5.4.* 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 6.12.43 6.12.* semver
CNA	Linux	Linux	unaffected 6.15.11 6.15.* semver
CNA	Linux	Linux	unaffected 6.16.2 6.16.* semver
CNA	Linux	Linux	unaffected 6.17 * original_commit_for_fix
ADP	Siemens	SIMATIC CN 4100	affected V5.0 custom

References

Reference	Source	Link
lists.debian.org/debian-lts-announce/2025/10/msg00008.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/24d098b6f69b0aa806ffc3e18259bee31650b28	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/bd90dbd196831f5c2620736dc221db2634cf1e8e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org

git.kernel.org/stable/c/ab18e48a503230d675e824a0d68a108bdf42503	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/82d140f6aab5e89a9d3972697a0dbe1498752d9b	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/f22de2027b206ddfb8a075800bb5d0dacf2da4b8	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/cddf47d20b0325dc8a4e57b833fe96e8f36c42a4	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/5b6839b572b503609b9b58bc6c04a816eefa0794	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/e78033e59444d257d095b73ce5d20625294f6ec2	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/e9f4a6b3421e936c3ee9d74710243897d74dbaa2	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.

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