



firmware: thead: Fix buffer overflow and use standard endian macros

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

Summary

CVE	CVE-2026-31690
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-27 18:16:54 UTC
Updated	2026-05-06 18:32:01 UTC

Description In the Linux kernel, the following vulnerability has been resolved: firmware: thead: Fix buffer overflow and use standard end

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-787

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 e4b3cbd840e565484d0ad8d260d27c057466ed17 fbdb43f6bb2a15ed382d6eb0ef82c8b07b0d47bb gi
CNA	Linux	Linux	affected e4b3cbd840e565484d0ad8d260d27c057466ed17 bd15a5deb5a7251dc1a0cf9186f0253f7eacdb97 gi
CNA	Linux	Linux	affected e4b3cbd840e565484d0ad8d260d27c057466ed17 88c4bd90725557796c15878b7cb70066e9e6b5ab
CNA	Linux	Linux	affected 6.15
CNA	Linux	Linux	unaffected 6.15 semver
CNA	Linux	Linux	unaffected 6.18.23 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.13 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/88c4bd90725557796c15878b7cb70066e9e6b5ab	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/fbdb43f6bb2a15ed382d6eb0ef82c8b07b0d47bb	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/bd15a5deb5a7251dc1a0cf9186f0253f7eacdb97	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
CVE Program record	CVE.ORG	www.cve.org	canonic
NVD vulnerability detail	NVD	nvd.nist.gov	canonic

No vendor comments have been submitted for this CVE.

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

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