



libceph: Use u32 for non-negative values in ceph_monmap_decode()

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

Summary

CVE	CVE-2026-43405
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-08 15:16:52 UTC
Updated	2026-05-11 08:16:13 UTC

Description In the Linux kernel, the following vulnerability has been resolved: libceph: Use u32 for non-negative values in ceph_monma

Risk And Classification

Primary CVSS: v3.1 7.5 HIGH from 416baaa9-dc9f-4396-8d5f-8c081fb06d67

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

EPSS: 0.000240000 probability, percentile 0.070400000 (date 2026-05-10)

Version	Source	Type	Score	Severity	Vector
3.1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	Secondary	7.5	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
3.1	CNA	DECLARED	7.5	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

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

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected a5cbd5fc22d5043a8a76e15d75d031fe24d1f69c ee5588e2bc41acb73f6676c0520420c107cd0140 git
CNA	Linux	Linux	affected a5cbd5fc22d5043a8a76e15d75d031fe24d1f69c 86f7060cd638d6eb042e8ed780fb83a59ca0dcb3 git
CNA	Linux	Linux	affected a5cbd5fc22d5043a8a76e15d75d031fe24d1f69c 5f2806684b05bd24d05c091083b8e2517ba8ffac git
CNA	Linux	Linux	affected a5cbd5fc22d5043a8a76e15d75d031fe24d1f69c b268984ae88cb0dcd7a8e8263962c748448e26e8 git
CNA	Linux	Linux	affected a5cbd5fc22d5043a8a76e15d75d031fe24d1f69c ba0a4df8c563536857dcbf7b4dbd0f2a15f57ace git
CNA	Linux	Linux	affected a5cbd5fc22d5043a8a76e15d75d031fe24d1f69c 08bc6173fd611ad5a40f472bf5f15b92aea0fe40 git
CNA	Linux	Linux	affected a5cbd5fc22d5043a8a76e15d75d031fe24d1f69c 770444611f047dbfd4517ec0bc1b179d40c2f346 git
CNA	Linux	Linux	affected 5.11
CNA	Linux	Linux	unaffected 5.11 semver
CNA	Linux	Linux	unaffected 5.15.203 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.167 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.130 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.78 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.19 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.9 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/86f7060cd638d6eb042e8ed780fb83a59ca0dcb3	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/770444611f047dbfd4517ec0bc1b179d40c2f346	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/ba0a4df8c563536857dcbf7b4dbd0f2a15f57ace	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/ee5588e2bc41acb73f6676c0520420c107cd0140	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/5f2806684b05bd24d05c091083b8e2517ba8ffac	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/b268984ae88cb0dcd7a8e8263962c748448e26e8	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/08bc6173fd611ad5a40f472bf5f15b92aea0fe40	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
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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