libceph: make free_choose_arg_map() resilient to partial allocation

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Summary

CVE	CVE-2026-22991
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-01-23 16:15:55 UTC
Updated	2026-04-27 14:16:28 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: libceph: make free_choose_arg_map() resilient to partial a

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

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H
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

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

ntegrity

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 5cf9c4a9959b6273675310d14a834ef14fbca37c 9b3730dabcf3764bfe3ff07caf55e641a0b45234 git
CNA	Linux	Linux	affected 5cf9c4a9959b6273675310d14a834ef14fbca37c 851241d3f78a5505224dc21c03d8692f530256b4 git
CNA	Linux	Linux	affected 5cf9c4a9959b6273675310d14a834ef14fbca37c ec1850f663da64842614c86b20fe734be070c2ba git
CNA	Linux	Linux	affected 5cf9c4a9959b6273675310d14a834ef14fbca37c 8081faaf089db5280c3be820948469f7c58ef8dd git
CNA	Linux	Linux	affected 5cf9c4a9959b6273675310d14a834ef14fbca37c c4c2152a858c0ce4d2bff6ca8c1d5b0ef9f2cbdf git
CNA	Linux	Linux	affected 5cf9c4a9959b6273675310d14a834ef14fbca37c f21c3fdb96833aac2f533506899fe38c19cf49d5 git
CNA	Linux	Linux	affected 5cf9c4a9959b6273675310d14a834ef14fbca37c e3fe30e57649c551757a02e1cad073c47e1e075e git
CNA	Linux	Linux	affected 4.13
CNA	Linux	Linux	unaffected 4.13 semver
CNA	Linux	Linux	unaffected 5.10.248 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.198 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.161 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.121 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.66 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.6 6.18.* semver
CNA	Linux	Linux	unaffected 6.19 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/f21c3fdb96833aac2f533506899fe38c19cf49d5	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/c4c2152a858c0ce4d2bff6ca8c1d5b0ef9f2cbdf	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/9b3730dabcf3764bfe3ff07caf55e641a0b45234	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/e3fe30e57649c551757a02e1cad073c47e1e075e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/8081faaf089db5280c3be820948469f7c58ef8dd	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch

git.kernel.org/stable/c/ec1850f663da64842614c86b20fe734be070c2ba	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/851241d3f78a5505224dc21c03d8692f530256b4	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
CVE Program record	CVE.ORG	www.cve.org	canonica
NVD vulnerability detail	NVD	nvd.nist.gov	canonica

No vendor comments have been submitted for this CVE.

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