ksmbd: fix null pointer dereference error in generate_encryptionkey

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

Summary

CVE	CVE-2025-38562
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-08-19 17:15:32 UTC
Updated	2026-04-18 09:16:10 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: ksmbd: fix null pointer dereference error in generate_encr

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 0626e6641f6b467447c81dd7678a69c66f7746cf 922f85e6e88fdea723a26854c3a6dcb4beb8d0b9 git
CNA	Linux	Linux	affected 0626e6641f6b467447c81dd7678a69c66f7746cf 96a82e19434a2522525baab59c33332658bc7653 gi
CNA	Linux	Linux	affected 0626e6641f6b467447c81dd7678a69c66f7746cf d79c8bebaa622ee223128be7c66d8aaeeb634a57 gi
CNA	Linux	Linux	affected 0626e6641f6b467447c81dd7678a69c66f7746cf 2a30ed6428ce83afedca1a6c5c5c4247bcf12d0e git
CNA	Linux	Linux	affected 0626e6641f6b467447c81dd7678a69c66f7746cf 015ef163d65496ae3ba6192c96140a22743f0353 git
CNA	Linux	Linux	affected 0626e6641f6b467447c81dd7678a69c66f7746cf 9c2dbbc959e1fcc6f603a1a843e9cf743ba383bb git
CNA	Linux	Linux	affected 0626e6641f6b467447c81dd7678a69c66f7746cf 9b493ab6f35178afd8d619800df9071992f715de git
CNA	Linux	Linux	affected 5.15
CNA	Linux	Linux	unaffected 5.15 semver
CNA	Linux	Linux	unaffected 5.15.203 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.148 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.102 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.42 6.12.* semver
CNA	Linux	Linux	unaffected 6.15.10 6.15.* semver
CNA	Linux	Linux	unaffected 6.16.1 6.16.* semver
CNA	Linux	Linux	unaffected 6.17 * original_commit_for_fix

References

Reference	Source	Link
git.kernel.org/stable/c/015ef163d65496ae3ba6192c96140a22743f0353	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/d79c8bebaa622ee223128be7c66d8aaeeb634a57	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/96a82e19434a2522525baab59c33332658bc7653	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/2a30ed6428ce83afedca1a6c5c5c4247bcf12d0e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/9c2dbbc959e1fcc6f603a1a843e9cf743ba383bb	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/9b493ab6f35178afd8d619800df9071992f715de	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/922f85e6e88fdea723a26854c3a6dcb4beb8d0b9	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
www.zerodayinitiative.com/advisories/ZDI-25-917	416baaa9-dc9f-4396-8d5f-8c081fb06d67	www.zerodayinitiative
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.

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status **status.cve.report**