



# ksmbd: require 3 sub-authorities before reading sub\_auth[2]

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

## Summary

<b>CVE</b>	CVE-2026-31611
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-04-24 15:16:40 UTC
<b>Updated</b>	2026-04-29 16:56:48 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: ksmbd: require 3 sub-authorities before reading sub\_auth

## Risk And Classification

**Primary CVSS:** v3.1 8.6 HIGH from 416baaa9-dc9f-4396-8d5f-8c081fb06d67

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

**EPSS:** 0.000180000 probability, percentile 0.048130000 (date 2026-04-27)

**Problem Types:** NVD-CWE-noinfo

Version	Source	Type	Score	Severity	Vector
3.1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	Secondary	8.6	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:H
3.1	CNA	DECLARED	8.6	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:H

## CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

Low

Availability

High

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:L/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 e2f34481b24db2fd634b5edb0a5bd0e4d38cc6e9 b5b5d5936a50497fb151c0b122899a6894721c2b git
CNA	Linux	Linux	affected e2f34481b24db2fd634b5edb0a5bd0e4d38cc6e9 08f9e6d899b5c834bbcc239eae1bed58d9b15d2c git
CNA	Linux	Linux	affected e2f34481b24db2fd634b5edb0a5bd0e4d38cc6e9 d2454f4a002d08560a60f214f392e6491cf11560 git
CNA	Linux	Linux	affected e2f34481b24db2fd634b5edb0a5bd0e4d38cc6e9 46bbcd3ebfb3549c8da1838fc4493e79bd3241e7 git
CNA	Linux	Linux	affected e2f34481b24db2fd634b5edb0a5bd0e4d38cc6e9 9401f86a224f37b50e6a3ccf1d46a70d5ef8af0a git
CNA	Linux	Linux	affected e2f34481b24db2fd634b5edb0a5bd0e4d38cc6e9 53370cf9090777774e07fd9a8ebce67c6cc333ab git
CNA	Linux	Linux	affected 5.15
CNA	Linux	Linux	unaffected 5.15 semver
CNA	Linux	Linux	unaffected 6.6.136 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.83 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.24 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.14 6.19.* semver
CNA	Linux	Linux	unaffected 7.0.1 7.0.* semver
CNA	Linux	Linux	unaffected 7.1-rc1 * original_commit_for_fix

### References

Reference	Source	Link	Tags
git.kernel.org/stable/c/53370cf9090777774e07fd9a8ebce67c6cc333ab	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/53370cf9090777774e07fd9a8ebce67c6cc333ab">git.kernel.org</a>	Patch
git.kernel.org/stable/c/d2454f4a002d08560a60f214f392e6491cf11560	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/d2454f4a002d08560a60f214f392e6491cf11560">git.kernel.org</a>	Patch
git.kernel.org/stable/c/b5b5d5936a50497fb151c0b122899a6894721c2b	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/b5b5d5936a50497fb151c0b122899a6894721c2b">git.kernel.org</a>	Patch
git.kernel.org/stable/c/46bbcd3ebfb3549c8da1838fc4493e79bd3241e7	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/46bbcd3ebfb3549c8da1838fc4493e79bd3241e7">git.kernel.org</a>	Patch
git.kernel.org/stable/c/9401f86a224f37b50e6a3ccf1d46a70d5ef8af0a	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/9401f86a224f37b50e6a3ccf1d46a70d5ef8af0a">git.kernel.org</a>	Patch
git.kernel.org/stable/c/08f9e6d899b5c834bbcc239eae1bed58d9b15d2c	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/08f9e6d899b5c834bbcc239eae1bed58d9b15d2c">git.kernel.org</a>	Patch
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	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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