



# nilfs2: fix NULL i\_assoc\_inode dereference in nilfs\_mdt\_save\_to\_shadow\_map

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

## Summary

<b>CVE</b>	CVE-2026-31577
<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 15:16:32 UTC
<b>Updated</b>	2026-04-27 20:41:46 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: nilfs2: fix NULL i\_assoc\_inode dereference in nilfs\_mdt\_s

## 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

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

**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 e897be17a441fa637cd166fc3de1445131e57692 7318e3549518ce8f14776a489d86488d80d7e2c8 git
CNA	Linux	Linux	affected e897be17a441fa637cd166fc3de1445131e57692 449ec5fc99f45974525ba9eea16b6670c45cd363 git
CNA	Linux	Linux	affected e897be17a441fa637cd166fc3de1445131e57692 c36e206f302f1ddefed92d09ecbba070e1ae079e git
CNA	Linux	Linux	affected e897be17a441fa637cd166fc3de1445131e57692 41de342278ae025c99cc8d33648773f05e306cf1 git
CNA	Linux	Linux	affected e897be17a441fa637cd166fc3de1445131e57692 97fb7afec404912d967a7d4715f37742666b3084 git
CNA	Linux	Linux	affected e897be17a441fa637cd166fc3de1445131e57692 4a4e0328edd9e9755843787d28f16dd4165f8b48 git
CNA	Linux	Linux	affected 6c3da8c0a35bbafe359d9166269d5590f29664de git
CNA	Linux	Linux	affected 605babb979c213737618b1c837e89624e5ab11fd git
CNA	Linux	Linux	affected 307d021b1a7f33048b624f7aaeaa75e3eae571f1 git
CNA	Linux	Linux	affected d626fcdabea2258be395a775bdbe09270e9bf73d git
CNA	Linux	Linux	affected d05cc5395e36711edad8bdef6945f138d8a7097b git
CNA	Linux	Linux	affected 1829b24a36ca12ca95b96d5478faeff40c17f2b6 git
CNA	Linux	Linux	affected 5.18
CNA	Linux	Linux	unaffected 5.18 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/c36e206f302f1ddefed92d09ecbba070e1ae079e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/c36e206f302f1ddefed92d09ecbba070e1ae079e">git.kernel.org</a>	Patch
git.kernel.org/stable/c/449ec5fc99f45974525ba9eea16b6670c45cd363	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/449ec5fc99f45974525ba9eea16b6670c45cd363">git.kernel.org</a>	Patch
git.kernel.org/stable/c/7318e3549518ce8f14776a489d86488d80d7e2c8	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/7318e3549518ce8f14776a489d86488d80d7e2c8">git.kernel.org</a>	Patch
git.kernel.org/stable/c/97fb7afec404912d967a7d4715f37742666b3084	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/97fb7afec404912d967a7d4715f37742666b3084">git.kernel.org</a>	Patch
git.kernel.org/stable/c/4a4e0328edd9e9755843787d28f16dd4165f8b48	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/4a4e0328edd9e9755843787d28f16dd4165f8b48">git.kernel.org</a>	Patch

git.kernel.org/stable/c/41de342278ae025c99cc8d33648773f05e306cf1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonic
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</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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