f2fs: fix to do sanity check on ino and xnid

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

Summary

CVE	CVE-2025-38347
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-07-10 09:15:29 UTC
Updated	2026-05-12 13:16:48 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: f2fs: fix to do sanity check on ino and xnid syzbot reportec

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: NVD-CWE-noinfo

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 98e4da8ca301e062d79ae168c67e56f3c3de3ce4 44e904a1ad09e84039058dcbbb1b9ea5
CNA	Linux	Linux	affected 98e4da8ca301e062d79ae168c67e56f3c3de3ce4 ecff54aa20b5b21db82e63e46066b55e4
CNA	Linux	Linux	affected 98e4da8ca301e062d79ae168c67e56f3c3de3ce4 c4029044cc408b149e63db7dc8617a078
CNA	Linux	Linux	affected 98e4da8ca301e062d79ae168c67e56f3c3de3ce4 e98dc1909f3d5bc078ec7a605524f1e3f4
CNA	Linux	Linux	affected 98e4da8ca301e062d79ae168c67e56f3c3de3ce4 aaddc6c696bd1bff20eaacfa88579d6eae
CNA	Linux	Linux	affected 98e4da8ca301e062d79ae168c67e56f3c3de3ce4 fed611bd8c7b76b070aa407d0c7558e20
CNA	Linux	Linux	affected 98e4da8ca301e062d79ae168c67e56f3c3de3ce4 5a06d97d5340c00510f24e80e8de821bc
CNA	Linux	Linux	affected 98e4da8ca301e062d79ae168c67e56f3c3de3ce4 061cf3a84bde038708eb0f1d065b31b7c2
CNA	Linux	Linux	affected 3.8
CNA	Linux	Linux	unaffected 3.8 semver
CNA	Linux	Linux	unaffected 5.4.297 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.241 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.190 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.149 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.95 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.35 6.12.* semver
CNA	Linux	Linux	unaffected 6.15.4 6.15.* semver
CNA	Linux	Linux	unaffected 6.16 * original_commit_for_fix
ADP	Siemens	SIMATIC CN 4100	affected V5.0 custom

References

Reference	Source	Link
lists.debian.org/debian-lts-announce/2025/10/msg00008.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/c4029044cc408b149e63db7dc8617a0783a3f10d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/e98dc1909f3d5bc078ec7a605524f1e3f4c0eb14	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/5a06d97d5340c00510f24e80e8de821bd3bd9285	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-032379.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/061cf3a84bde038708eb0f1d065b31b7c2456533	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/fed611bd8c7b76b070aa407d0c7558e20d9e1f68	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/44e904a1ad09e84039058dcbbb1b9ea5b8d7d75d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org

lists.debian.org/debian-lts-announce/2025/10/msg00007.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/aaddc6c696bd1bff20eaacfa88579d6eae64d541	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/ecff54aa20b5b21db82e63e46066b55e43d72e78	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
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.