



# drop\_monitor: replace spin\_lock by raw\_spin\_lock

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2024-40980
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2024-07-12 13:15:19 UTC
<b>Updated</b>	2026-05-12 12:17:01 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: drop\_monitor: replace spin\_lock by raw\_spin\_lock trace\_c

## 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-667

## 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 4ea7e38696c7e798c47ebbecadfd392f23f81
CNA	Linux	Linux	affected 4ea7e38696c7e798c47ebbecadfd392f23f81
CNA	Linux	Linux	affected 4ea7e38696c7e798c47ebbecadfd392f23f81
CNA	Linux	Linux	affected 4ea7e38696c7e798c47ebbecadfd392f23f81
CNA	Linux	Linux	affected 4ea7e38696c7e798c47ebbecadfd392f23f81
CNA	Linux	Linux	affected 4ea7e38696c7e798c47ebbecadfd392f23f81
CNA	Linux	Linux	affected 4ea7e38696c7e798c47ebbecadfd392f23f81
CNA	Linux	Linux	affected 2.6.31
CNA	Linux	Linux	unaffected 2.6.31 semver
CNA	Linux	Linux	unaffected 5.4.279 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.221 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.162 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.96 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.36 6.6.* semver
CNA	Linux	Linux	unaffected 6.9.7 6.9.* semver
CNA	Linux	Linux	unaffected 6.10 * original_commit_for_fix
ADP	Siemens	RUGGEDCOM RST2428P	affected V3.1 custom
ADP	Siemens	RUGGEDCOM RST2428P	unaffected * custom
ADP	Siemens	SCALANCE XC-300/XR-300/XC-400/XR-500WG/XR-500 Family	unaffected * custom
ADP	Siemens	SCALANCE XC-300/XR-300/XC-400/XR-500WG/XR-500 Family	unaffected * custom
ADP	Siemens	SCALANCE XCM-/XRM-/XCH-/XRH-300 Family	affected V3.1 custom
ADP	Siemens	SCALANCE XCM-/XRM-/XCH-/XRH-300 Family	unaffected * custom
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

## References

Reference	Source	Link
git.kernel.org/stable/c/76ce2f9125244e1708d29c1d3f9d1d50b347bda0	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/f1e197a665c2148ebc25fe09c53689e60afea195	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/594e47957f3fe034645e6885393ce96c12286334	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/b3722fb69468693555f531cddda5c30444726dac	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>

cert-portal.siemens.com/productcert/html/ssa-265688.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	<a href="https://cert-portal.siemens.com">cert-portal.siemens.com</a>
git.kernel.org/stable/c/f251ccef1d864790e5253386e95544420b7cd8f3	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/07ea878684dfb78a9d4f564c39d07e855a9e242e	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/96941f29ebcc1e9cbf570dc903f30374909562f5	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>
cert-portal.siemens.com/productcert/html/ssa-613116.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	<a href="https://cert-portal.siemens.com">cert-portal.siemens.com</a>
cert-portal.siemens.com/productcert/html/ssa-355557.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	<a href="https://cert-portal.siemens.com">cert-portal.siemens.com</a>
lists.debian.org/debian-lts-announce/2025/01/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	<a href="https://lists.debian.org">lists.debian.org</a>
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

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

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