



posix-clock: posix-clock: Fix unbalanced locking in pc_clock_settime()

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

Summary

CVE	CVE-2024-50210
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-11-08 06:15:17 UTC
Updated	2026-05-12 13:16:19 UTC

Description In the Linux kernel, the following vulnerability has been resolved: posix-clock: posix-clock: Fix unbalanced locking in pc_clock_settime()

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: 0.000160000 probability, percentile 0.038090000 (date 2026-05-12)

Problem Types: CWE-667 | CWE-667 CWE-667 Improper Locking

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H
3.1	ADP	DECLARED	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

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
Operating System	Linux	Linux Kernel	5.15.169	All	All	All
Operating System	Linux	Linux Kernel	6.1.114	All	All	All
Operating System	Linux	Linux Kernel	6.11.5	All	All	All
Operating System	Linux	Linux Kernel	6.12	rc4	All	All
Operating System	Linux	Linux Kernel	6.6.58	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 29f085345cde24566efb751f39e5d367c381c584 d00540
CNA	Linux	Linux	affected e0c966bd3e31911b57ef76cec4c5796ebd88e512 a8219
CNA	Linux	Linux	affected 673a1c5a2998acbd429d6286e6cad10f17f4f073 c7fcdb
CNA	Linux	Linux	affected c8789fbe2bbf75845e45302cba6ffa44e1884d01 e56e0e
CNA	Linux	Linux	affected 27abbde44b6e71ee3891de13e1a228aa7ce95bfe 5f063l
CNA	Linux	Linux	affected a3f169e398215e71361774d13bf91a0101283ac2 1ba33l
CNA	Linux	Linux	affected 1ff7247101af723731ea42ed565d54fb8f341264 b27330l
CNA	Linux	Linux	affected d8794ac20a299b647ba9958f6d657051fc51a540 6e628l
CNA	Linux	Linux	affected 5.10.228 5.10.229 semver
CNA	Linux	Linux	affected 5.15.169 5.15.170 semver
CNA	Linux	Linux	affected 6.1.114 6.1.115 semver
CNA	Linux	Linux	affected 6.6.58 6.6.59 semver
CNA	Linux	Linux	affected 6.11.5 6.11.6 semver
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

References

Reference	Source	Link
lists.debian.org/debian-lts-announce/2025/03/msg00002.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org

git.kernel.org/stable/c/5f063bbf1ee6b01611c016b54e050a41506eb794	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/e56e0ec1b79f5a6272c6e78b36e9d593aa0449af	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-265688.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/a8219446b95a859488feaade674d13f9efacfa32	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/6e62807c7fbb3c758d233018caf94dfea9c65dbd	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/c7fcfdb35abc9f39b83080c2bce398dad13a943	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/b27330128eca25179637c1816d5a72d6cc408c66	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/01/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/d005400262ddaf1ca1666bbcd1acf42fe81d57ce	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/1ba33b327c3f88a7baee598979d73ab5b44d41cc	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.

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