



clocksource: Use migrate_disable() to avoid calling get_random_u32() in atomic context

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

Summary

CVE	CVE-2025-21767
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-02-27 03:15:17 UTC
Updated	2026-05-12 13:16:36 UTC

Description In the Linux kernel, the following vulnerability has been resolved: clocksource: Use migrate_disable() to avoid calling get_ra

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 d9b40ebd448e437ffbc65f013836f98252279a82 d9c217fadfcff7
CNA	Linux	Linux	affected 7560c02bdffb7c52d1457fa551b9e745d4b9e754 60f54f0d4ea5
CNA	Linux	Linux	affected 7560c02bdffb7c52d1457fa551b9e745d4b9e754 852805b6cbd1
CNA	Linux	Linux	affected 7560c02bdffb7c52d1457fa551b9e745d4b9e754 8783ceeee79
CNA	Linux	Linux	affected 7560c02bdffb7c52d1457fa551b9e745d4b9e754 cc3d79e7c806
CNA	Linux	Linux	affected 7560c02bdffb7c52d1457fa551b9e745d4b9e754 0fb534187d23
CNA	Linux	Linux	affected 7560c02bdffb7c52d1457fa551b9e745d4b9e754 6bb05a33337
CNA	Linux	Linux	affected 193e14e68e907b2a7a936a7726accbaa4df25a4d git
CNA	Linux	Linux	affected 155d3c5d24ee13cafa6236b49fc02b240a511d59 git
CNA	Linux	Linux	affected 5.14
CNA	Linux	Linux	unaffected 5.14 semver
CNA	Linux	Linux	unaffected 5.10.235 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.179 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.129 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.79 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.16 6.12.* semver
CNA	Linux	Linux	unaffected 6.13.4 6.13.* semver
CNA	Linux	Linux	unaffected 6.14 * original_commit_for_fix
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIPLUS S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom

References

Reference	Source	Link
lists.debian.org/debian-lts-announce/2025/05/msg00030.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/6bb05a33337b2c842373857b63de5c9bf1ae2a09	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/cc3d79e7c806cb57d71c28a4a35e7d7fb3265faa	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org

cert-portal.siemens.com/productcert/html/ssa-082556.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/852805b6cbdb69c298a8fc9fbe79994c95106e04	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
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git.kernel.org/stable/c/d9c217fadfcff7a8df58567517d1e4253f3fd243	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/8783ceeee797d9aa9cfe150690fb9d0bac8cc459	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/03/msg00028.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.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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