



dm thin: make get_first_thin use rcu-safe list first function

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

Summary

CVE	CVE-2025-21664
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-01-21 13:15:10 UTC
Updated	2026-05-12 13:16:30 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: dm thin: make get_first_thin use rcu-safe list first function

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 b10ebd34cccae1b431caf1be54919aede2be7cbe ec0371
CNA	Linux	Linux	affected b10ebd34cccae1b431caf1be54919aede2be7cbe cd30a
CNA	Linux	Linux	affected b10ebd34cccae1b431caf1be54919aede2be7cbe 80266
CNA	Linux	Linux	affected b10ebd34cccae1b431caf1be54919aede2be7cbe 12771
CNA	Linux	Linux	affected b10ebd34cccae1b431caf1be54919aede2be7cbe 6b305
CNA	Linux	Linux	affected b10ebd34cccae1b431caf1be54919aede2be7cbe cbd0d
CNA	Linux	Linux	affected b10ebd34cccae1b431caf1be54919aede2be7cbe 80f130
CNA	Linux	Linux	affected 3.15
CNA	Linux	Linux	unaffected 3.15 semver
CNA	Linux	Linux	unaffected 5.4.290 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.234 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.177 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.125 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.72 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.10 6.12.* semver
CNA	Linux	Linux	unaffected 6.13 * original_commit_for_fix
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/6b305e98de0d225ccebfb225730a9f560d28ecb0	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/cbd0d5ecfa390ac29c5380200147d09c381b2ac6	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.com
git.kernel.org/stable/c/80f130bfad1dab93b95683fc39b87235682b8f72	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/03/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/cd30a3960433ec2db94b3689752fa3c5df44d649	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/ec037fe8c0d0f6140e3d8a49c7b29cb5582160b8	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/802666a40c71a23542c43a3f87e3a2d0f4e8fe45	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org

git.kernel.org/stable/c/12771050b6d059eea096993bf2001da9da9fdfff	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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