



thermal: core: Address thermal zone removal races with resume

MITRE

NVD

CVE.ORG

JSON API

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Summary	
CVE	CVE-2026-31731
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-01 15:16:35 UTC
Updated	2026-05-08 13:16:36 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: thermal: core: Address thermal zone removal races with re

Risk And Classification

Primary CVSS: v3.1 7.8 HIGH from nvd@nist.gov

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

EPSS: 0.000180000 probability, percentile 0.046430000 (date 2026-05-05)

Problem Types: CWE-416

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H
3.1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	Secondary	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H
3.1	CNA	DECLARED	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/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 5a5efdaffda5d23717d9117cf36cda9eafc2fae 1a6d2b001eb730d85f00da39ae7db6f3b4edc540 git
CNA	Linux	Linux	affected 5a5efdaffda5d23717d9117cf36cda9eafc2fae 2dbe93f344f10b432b95a23304006be805c097a1 git
CNA	Linux	Linux	affected 5a5efdaffda5d23717d9117cf36cda9eafc2fae c4593f1654f7dea3bcf9bb1851ded86311d4f370 git
CNA	Linux	Linux	affected 5a5efdaffda5d23717d9117cf36cda9eafc2fae 45b859b0728267a6199ee5002d62e6c6f3e8c89d git
CNA	Linux	Linux	affected 6.8
CNA	Linux	Linux	unaffected 6.8 semver
CNA	Linux	Linux	unaffected 6.12.83 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.22 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.12 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References			
Reference	Source	Link	Tags
git.kernel.org/stable/c/1a6d2b001eb730d85f00da39ae7db6f3b4edc540	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/c4593f1654f7dea3bcf9bb1851ded86311d4f370	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/45b859b0728267a6199ee5002d62e6c6f3e8c89d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/2dbe93f344f10b432b95a23304006be805c097a1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical

No vendor comments have been submitted for this CVE.

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

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