



ACPI: pfr_update: Fix the driver update version check

MITRE

NVD

CVE.ORG

JSON API

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Summary

CVE	CVE-2025-39701
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-09-05 18:15:47 UTC
Updated	2026-05-12 13:17:06 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: ACPI: pfr_update: Fix the driver update version check The

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

Problem Types: NVD-CWE-noinfo

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 0db89fa243e5edc5de38c88b369e4c3755c5fb74 79300ff532bccbbf654992c7c0863b49a6c			
CNA	Linux	Linux	affected 0db89fa243e5edc5de38c88b369e4c3755c5fb74 cf0a88124e357bffda487cbf3cb612bb97e			
CNA	Linux	Linux	affected 0db89fa243e5edc5de38c88b369e4c3755c5fb74 b00219888c11519ef75d988fa8a780da68			
CNA	Linux	Linux	affected 0db89fa243e5edc5de38c88b369e4c3755c5fb74 908094681f645d3a78e18ef90561a97029			
CNA	Linux	Linux	affected 0db89fa243e5edc5de38c88b369e4c3755c5fb74 8151320c747efb22d30b035af989fed0d5			
CNA	Linux	Linux	affected 5.17			
CNA	Linux	Linux	unaffected 5.17 semver			
CNA	Linux	Linux	unaffected 6.1.149 6.1.* semver			
CNA	Linux	Linux	unaffected 6.6.103 6.6.* semver			
CNA	Linux	Linux	unaffected 6.12.44 6.12.* semver			
CNA	Linux	Linux	unaffected 6.16.4 6.16.* semver			
CNA	Linux	Linux	unaffected 6.17 * original_commit_for_fix			
ADP	Siemens	SIMATIC CN 4100	affected V5.0 custom			

References		
Reference	Source	Link
lists.debian.org/debian-lts-announce/2025/10/msg00008.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/cf0a88124e357bffda487cbf3cb612bb97eb97e4	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/b00219888c11519ef75d988fa8a780da68ff568e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/79300ff532bccbbf654992c7c0863b49a6c3973c	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-032379.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.com
git.kernel.org/stable/c/908094681f645d3a78e18ef90561a97029e2df7b	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/8151320c747efb22d30b035af989fed0d502176e	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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