net: phy: allow MDIO bus PM ops to start/stop state machine for phylink-controlled PHY

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2025-37945
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-05-20 16:15:32 UTC
Updated	2026-04-11 13:16:34 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: net: phy: allow MDIO bus PM ops to start/stop state mach

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-476

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 744d23c71af39c7dc77ac7c3cac87ae86a181a85 17eef1e44883845b9567afc893dc41e004c08d65 git
CNA	Linux	Linux	affected 744d23c71af39c7dc77ac7c3cac87ae86a181a85 043aa41c43f8cb9cce75367ea07895ce68b5abb0 git
CNA	Linux	Linux	affected 744d23c71af39c7dc77ac7c3cac87ae86a181a85 a6ed6f8ec81b8ca7100dcd9e62bdbc0dff1b2259 git
CNA	Linux	Linux	affected 744d23c71af39c7dc77ac7c3cac87ae86a181a85 54e5d00a8de6c13f6c01a94ed48025e882cd15f7 git
CNA	Linux	Linux	affected 744d23c71af39c7dc77ac7c3cac87ae86a181a85 bd4037d51d3f6667636a1383e78e48a5b7b60755 gi
CNA	Linux	Linux	affected 744d23c71af39c7dc77ac7c3cac87ae86a181a85 fc75ea20ffb452652f0d4033f38fe88d7cfdae35 git
CNA	Linux	Linux	affected 47ac7b2f6a1ffef76e55a9ec146881a36673284b git
CNA	Linux	Linux	affected 7dc0ed411de3450e75b2a9600b5742cbf0908167 git
CNA	Linux	Linux	affected 6.0
CNA	Linux	Linux	unaffected 6.0 semver
CNA	Linux	Linux	unaffected 6.1.168 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.122 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.24 6.12.* semver
CNA	Linux	Linux	unaffected 6.13.12 6.13.* semver
CNA	Linux	Linux	unaffected 6.14.3 6.14.* semver
CNA	Linux	Linux	unaffected 6.15 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/043aa41c43f8cb9cce75367ea07895ce68b5abb0	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/bd4037d51d3f6667636a1383e78e48a5b7b60755	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/54e5d00a8de6c13f6c01a94ed48025e882cd15f7	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/17eef1e44883845b9567afc893dc41e004c08d65	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/a6ed6f8ec81b8ca7100dcd9e62bdbc0dff1b2259	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/fc75ea20ffb452652f0d4033f38fe88d7cfdae35	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
CVE Program record	CVE.ORG	www.cve.org	canonic
NVD vulnerability detail	NVD	nvd.nist.gov	canonic

No vendor comments have been submitted for this CVE.

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

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status **status.cve.report**