PCI/IOV: Fix race between SR-IOV enable/disable and hotplug

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

Summary

CVE	CVE-2025-40219
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-12-04 15:15:57 UTC
Updated	2026-04-03 16:16:22 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: PCI/IOV: Fix race between SR-IOV enable/disable and ho

Risk And Classification

EPSS: 0.000680000 probability, percentile 0.209690000 (date 2026-04-07)

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 18f9e9d150fccfa747875df6f0a9f606740762b3 3cddde484471c602bea04e6f384819d336a1ff84 git
CNA	Linux	Linux	affected 18f9e9d150fccfa747875df6f0a9f606740762b3 d7673ac466eca37ec3e6b7cc9ccdb06de3304e9b git
CNA	Linux	Linux	affected 18f9e9d150fccfa747875df6f0a9f606740762b3 7c37920c96b85ef4255a7acc795e99e63dd38d59 git
CNA	Linux	Linux	affected 18f9e9d150fccfa747875df6f0a9f606740762b3 1047ca2d816994f31e1475e63e0c0b7825599747 git
CNA	Linux	Linux	affected 18f9e9d150fccfa747875df6f0a9f606740762b3 97c18f074ff1c12d016a0753072a3afdfa0b9611 git
CNA	Linux	Linux	affected 18f9e9d150fccfa747875df6f0a9f606740762b3 bea1d373098b22d7142da48750ce5526096425bc git
CNA	Linux	Linux	affected 18f9e9d150fccfa747875df6f0a9f606740762b3 f3015627b6e9ddf85cfeaf42405b3c194dde2c36 git
CNA	Linux	Linux	affected 18f9e9d150fccfa747875df6f0a9f606740762b3 a5338e365c4559d7b4d7356116b0eb95b12e08d5 git
CNA	Linux	Linux	affected 5.0
CNA	Linux	Linux	unaffected 5.0 semver
CNA	Linux	Linux	unaffected 5.10.252 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.202 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.165 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.128 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.75 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.16 6.18.* semver

CNA	Linux	Linux	unaffected 6.19.6 6.19.* semver
CNA	Linux	Linux	unaffected 7.0-rc1 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/97c18f074ff1c12d016a0753072a3afdfa0b9611	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/a5338e365c4559d7b4d7356116b0eb95b12e08d5	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/f3015627b6e9ddf85cfeaf42405b3c194dde2c36	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/bea1d373098b22d7142da48750ce5526096425bc	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/7c37920c96b85ef4255a7acc795e99e63dd38d59	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/3cddde484471c602bea04e6f384819d336a1ff84	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/1047ca2d816994f31e1475e63e0c0b7825599747	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/d7673ac466eca37ec3e6b7cc9ccdb06de3304e9b	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
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.