



iommu: disable SVA when CONFIG_X86 is set

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

Summary

CVE CVE-2025-71089

State PUBLISHED

Assigner Linux

Source Priority CVE Program / NVD first with legacy fallback

Published 2026-01-13 16:16:08 UTC

Updated 2026-04-02 09:16:20 UTC

Description In the Linux kernel, the following vulnerability has been resolved: iommu: disable SVA when CONFIG_X86 is set Patch seri

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

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:H/PR:L/UI:N/S:C/C:H/I:H/A:H
3.1	CNA	DECLARED	7.8	HIGH	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:C/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 26b25a2b98e45aeb40eedcedc586ad5034cbd984 b34289505180a83607fcfdce14b5a290d0528476 g
CNA	Linux	Linux	affected 26b25a2b98e45aeb40eedcedc586ad5034cbd984 7cad37e358970af1bb49030ff01f06a69fa7d985 git
CNA	Linux	Linux	affected 26b25a2b98e45aeb40eedcedc586ad5034cbd984 240cd7f2812cc25496b12063d11c823618f364e9 gi
CNA	Linux	Linux	affected 26b25a2b98e45aeb40eedcedc586ad5034cbd984 c2c3f1a3fd74ef16cf115f0c558616a13a8471b4 git
CNA	Linux	Linux	affected 26b25a2b98e45aeb40eedcedc586ad5034cbd984 c341dee80b5df49a936182341b36395c831c2661 c
CNA	Linux	Linux	affected 26b25a2b98e45aeb40eedcedc586ad5034cbd984 72f98ef9a4be30d2a60136dd6faee376f780d06c git
CNA	Linux	Linux	affected 5.2
CNA	Linux	Linux	unaffected 5.2 semver
CNA	Linux	Linux	unaffected 5.15.200 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.163 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.120 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.64 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.4 6.18.* semver
CNA	Linux	Linux	unaffected 6.19 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/c341dee80b5df49a936182341b36395c831c2661	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/240cd7f2812cc25496b12063d11c823618f364e9	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/c2c3f1a3fd74ef16cf115f0c558616a13a8471b4	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/72f98ef9a4be30d2a60136dd6faee376f780d06c	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/b34289505180a83607fcfdce14b5a290d0528476	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/7cad37e358970af1bb49030ff01f06a69fa7d985	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.

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