



dmaengine: idxd: Fix possible invalid memory access after FLR

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

Summary

CVE	CVE-2026-31442
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-22 14:16:37 UTC
Updated	2026-04-27 14:16:38 UTC

Description In the Linux kernel, the following vulnerability has been resolved: dmaengine: idxd: Fix possible invalid memory access after

Risk And Classification

Primary CVSS: v3.1 7.8 HIGH from 416baaa9-dc9f-4396-8d5f-8c081fb06d67

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

EPSS: 0.000170000 probability, percentile 0.040590000 (date 2026-04-27)

Version	Source	Type	Score	Severity	Vector
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

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 98d187a989036096feaa2fef1ec3b2240ecdeacf 504c0e6751001ac46917c73e703f2b1b92cfc026 git
CNA	Linux	Linux	affected 98d187a989036096feaa2fef1ec3b2240ecdeacf 867d0c801f21370d561420fa32f2ea1a7dc3a22d git
CNA	Linux	Linux	affected 98d187a989036096feaa2fef1ec3b2240ecdeacf d6077df7b75d26e4edf98983836c05d00ebabd8d git
CNA	Linux	Linux	affected 6.14
CNA	Linux	Linux	unaffected 6.14 semver
CNA	Linux	Linux	unaffected 6.18.21 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.11 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/867d0c801f21370d561420fa32f2ea1a7dc3a22d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/504c0e6751001ac46917c73e703f2b1b92cfc026	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/d6077df7b75d26e4edf98983836c05d00ebabd8d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
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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