drm/xe/xe_pagefault: Disallow writes to read-only VMAs

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Summary

CVE	CVE-2026-31785
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-01 15:16:42 UTC
Updated	2026-05-12 19:26:31 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: drm/xe/xe_pagefault: Disallow writes to read-only VMAs T

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

EPSS: 0.000240000 probability, percentile 0.069290000 (date 2026-05-12)

Problem Types: NVD-CWE-noinfo

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
Operating System	Linux	Linux Kernel	6.19	-	All	All
Operating System	Linux	Linux Kernel	7.0	rc1	All	All
Operating System	Linux	Linux Kernel	7.0	rc2	All	All
Operating System	Linux	Linux Kernel	7.0	rc3	All	All
Operating System	Linux	Linux Kernel	7.0	rc4	All	All
Operating System	Linux	Linux Kernel	7.0	rc5	All	All
Operating System	Linux	Linux Kernel	7.0	rc6	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected fb544b8445080c6488a58c01022550adc0873283 b656f040ed4ed2074dfb78072745b41d44368be0 gi
CNA	Linux	Linux	affected fb544b8445080c6488a58c01022550adc0873283 6d192b4f2d644d15d9a9f1d33dab05af936f6540 git
CNA	Linux	Linux	affected 6.19
CNA	Linux	Linux	unaffected 6.19 semver
CNA	Linux	Linux	unaffected 6.19.12 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/6d192b4f2d644d15d9a9f1d33dab05af936f6540	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/b656f040ed4ed2074dfb78072745b41d44368be0	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
CVE Program record	CVE.ORG	www.cve.org	canonica
NVD vulnerability detail	NVD	nvd.nist.gov	canonica

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