



drm/ioc32: stop speculation on the drm_compat_ioctl path

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

Summary

CVE	CVE-2026-31781
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-01 15:16:41 UTC
Updated	2026-05-11 20:51:42 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: drm/ioc32: stop speculation on the drm_compat_ioctl path

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 0.068060000 (date 2026-05-05)

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

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 505b5240329b922f21f91d5b5d1e535c805eca6d 46a60ee8956ef1975f00455f614761c7ecedc09d git
CNA	Linux	Linux	affected 505b5240329b922f21f91d5b5d1e535c805eca6d 5bb398991f378ef74d90b14a6ea8b61ff96cc03a git
CNA	Linux	Linux	affected 505b5240329b922f21f91d5b5d1e535c805eca6d d59c5d8539662d95887b4564f3f72ad38076a2d5 git
CNA	Linux	Linux	affected 505b5240329b922f21f91d5b5d1e535c805eca6d 489f2ef2b908898d01df697dc4fe1476674be640 git
CNA	Linux	Linux	affected 505b5240329b922f21f91d5b5d1e535c805eca6d 4a41c2b18fc05d30b718d2602cac339eae710b34 git
CNA	Linux	Linux	affected 505b5240329b922f21f91d5b5d1e535c805eca6d f0e441be08a2eab10b2d06fccfa267ee599dd6b3 git
CNA	Linux	Linux	affected 505b5240329b922f21f91d5b5d1e535c805eca6d 27ef84bba9b9d7b03418c60fbc6069ea0e87b13c git
CNA	Linux	Linux	affected 505b5240329b922f21f91d5b5d1e535c805eca6d f8995c2df519f382525ca4bc90553ad2ec611067 git
CNA	Linux	Linux	affected abc60edcfc87771ff244763d4d19c67766f5dd0f git
CNA	Linux	Linux	affected a2a840d6dcae960c2dfdf3fcb1b759e1b7d90663 git
CNA	Linux	Linux	affected 00279b505289f7529d9be2e78915d0483ffbd314 git
CNA	Linux	Linux	affected d04e6ea0cec9e7d6cba806508f657d2d0dc6cacf git
CNA	Linux	Linux	affected 7f3ebea19795eb38438cd3709fabf2afd53cf447 git
CNA	Linux	Linux	affected 4.20
CNA	Linux	Linux	unaffected 4.20 semver
CNA	Linux	Linux	unaffected 5.10.253 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.203 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.168 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.134 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.81 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.22 6.18.* 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/5bb398991f378ef74d90b14a6ea8b61ff96cc03a	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/489f2ef2b908898d01df697dc4fe1476674be640	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch

git.kernel.org/stable/c/46a60ee8956ef1975f00455f614761c7ecedc09d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/f8995c2df519f382525ca4bc90553ad2ec611067	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/f0e441be08a2eab10b2d06fccfa267ee599dd6b3	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/27ef84bba9b9d7b03418c60fbc6069ea0e87b13c	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/4a41c2b18fc05d30b718d2602cac339eae710b34	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/d59c5d8539662d95887b4564f3f72ad38076a2d5	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
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.

© CVE.report 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](https://www.mitre.org) and the authoritative source of CVE content is [MITRE's CVE web site](https://www.mitre.org/cve). This site includes MITRE data granted under the following [license](https://www.mitre.org/cve).

Free CVE JSON API cve.report/api

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