



# drm/i915/gt: Check set\_default\_submission() before deferencing

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

## Summary

<b>CVE</b>	CVE-2026-31540
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-04-24 15:16:27 UTC
<b>Updated</b>	2026-04-28 18:52:09 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: drm/i915/gt: Check set\_default\_submission() before defer

## 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 0.067850000 (date 2026-04-27)

**Problem Types:** CWE-476

## 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 ff44ad51ebf8e4693bd66ae41aa37a6bc88a134f db8b1bebe81ffb410ddd746b6869f72e22420850 git
CNA	Linux	Linux	affected ff44ad51ebf8e4693bd66ae41aa37a6bc88a134f da6552d67012a1cf0585f2eb401d0c4abcf108c9 git
CNA	Linux	Linux	affected ff44ad51ebf8e4693bd66ae41aa37a6bc88a134f df1f4a7d9cf689b4e96c95255228896505f44c31 git
CNA	Linux	Linux	affected ff44ad51ebf8e4693bd66ae41aa37a6bc88a134f 2e20a886b443a71b573ceaed3ca7053d15380916 git
CNA	Linux	Linux	affected ff44ad51ebf8e4693bd66ae41aa37a6bc88a134f cf4b224ffb9a58181be32b64130fc36cf59c3192 git
CNA	Linux	Linux	affected ff44ad51ebf8e4693bd66ae41aa37a6bc88a134f 1a16150729db8d997e39519f9d58e6b435c4c087 git
CNA	Linux	Linux	affected ff44ad51ebf8e4693bd66ae41aa37a6bc88a134f 0162ab3220bac870e43e229e6e3024d1a21c3f26 git
CNA	Linux	Linux	affected 4.12
CNA	Linux	Linux	unaffected 4.12 semver
CNA	Linux	Linux	unaffected 5.15.203 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.167 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.130 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.78 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.20 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.10 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

### References

Reference	Source	Link	Tags
git.kernel.org/stable/c/1a16150729db8d997e39519f9d58e6b435c4c087	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
git.kernel.org/stable/c/da6552d67012a1cf0585f2eb401d0c4abcf108c9	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
git.kernel.org/stable/c/cf4b224ffb9a58181be32b64130fc36cf59c3192	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
git.kernel.org/stable/c/db8b1bebe81ffb410ddd746b6869f72e22420850	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
git.kernel.org/stable/c/2e20a886b443a71b573ceaed3ca7053d15380916	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
git.kernel.org/stable/c/0162ab3220bac870e43e229e6e3024d1a21c3f26	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
git.kernel.org/stable/c/df1f4a7d9cf689b4e96c95255228896505f44c31	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonic
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	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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