drm/i915/gt: fix refcount underflow in intel_engine_park_heartbeat

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2026-31656
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-24 15:16:45 UTC
Updated	2026-04-27 20:16:43 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: drm/i915/gt: fix refcount underflow in intel_engine_park_h

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: 0.000240000 probability, percentile 0.067850000 (date 2026-04-27)

Problem Types: CWE-191

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

ntegrity

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 058179e72e0956a2dfe4927db6cbe5fbfb2406aa 70d3e622b10092fc483e28e57b4e8c49d9cc7f68 git
CNA	Linux	Linux	affected 058179e72e0956a2dfe4927db6cbe5fbfb2406aa 8ce44d28a84fd5e053a88b04872a89d95c0779d4 git
CNA	Linux	Linux	affected 058179e72e0956a2dfe4927db6cbe5fbfb2406aa ca3f48c3567dd49efdc55b80029ae74659c682ee git
CNA	Linux	Linux	affected 058179e72e0956a2dfe4927db6cbe5fbfb2406aa a00e92bf6583d019a4fb2c2df7007e6c9b269ce7 git
CNA	Linux	Linux	affected 058179e72e0956a2dfe4927db6cbe5fbfb2406aa 2af8b200cae3fdd0e917ecc2753b28bb40c876c1 git
CNA	Linux	Linux	affected 058179e72e0956a2dfe4927db6cbe5fbfb2406aa 455d98ed527fc94eed90406f90ab2391464ca657 git
CNA	Linux	Linux	affected 058179e72e0956a2dfe4927db6cbe5fbfb2406aa 4c71fd099513bfa8acab529b626e1f0097b76061 git
CNA	Linux	Linux	affected 5.5
CNA	Linux	Linux	unaffected 5.5 semver
CNA	Linux	Linux	unaffected 5.15.203 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.169 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.135 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.82 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.23 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.13 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/70d3e622b10092fc483e28e57b4e8c49d9cc7f68	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/ca3f48c3567dd49efdc55b80029ae74659c682ee	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/455d98ed527fc94eed90406f90ab2391464ca657	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/a00e92bf6583d019a4fb2c2df7007e6c9b269ce7	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/8ce44d28a84fd5e053a88b04872a89d95c0779d4	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch

git.kernel.org/stable/c/4c71fd099513bfa8acab529b626e1f0097b76061	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/2af8b200cae3fdd0e917ecc2753b28bb40c876c1	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.