futex: Clear stale exiting pointer in futex_lock_pi() retry path

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Summary

CVE	CVE-2026-31555
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-24 15:16:29 UTC
Updated	2026-04-27 20:14:27 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: futex: Clear stale exiting pointer in futex_lock_pi() retry pa

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: 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 3ef240eaff36b8119ac9e2ea17cbf41179c930ba 33095ae3bdde5e5c264d7e88a2f3e7703a26c7aa git
CNA	Linux	Linux	affected 3ef240eaff36b8119ac9e2ea17cbf41179c930ba e7824ec168d2ac883a213cd1f4d6cc0816002a85 git
CNA	Linux	Linux	affected 3ef240eaff36b8119ac9e2ea17cbf41179c930ba 5e8e06bf8909e79b4acd950cf578cfc2f10bbefa git
CNA	Linux	Linux	affected 3ef240eaff36b8119ac9e2ea17cbf41179c930ba de7c0c04ad868f2cee6671b11c0a6d20421af1da git
CNA	Linux	Linux	affected 3ef240eaff36b8119ac9e2ea17cbf41179c930ba 7475dfad10a05a5bfadebf5f2499bd61b19ed293 git
CNA	Linux	Linux	affected 3ef240eaff36b8119ac9e2ea17cbf41179c930ba 92e47ad03e03dbb5515bdf06444bf6b1e147310d git
CNA	Linux	Linux	affected 3ef240eaff36b8119ac9e2ea17cbf41179c930ba 71112e62807d1925dc3ae6188b11f8cfc85aec23 git
CNA	Linux	Linux	affected 3ef240eaff36b8119ac9e2ea17cbf41179c930ba 210d36d892de5195e6766c45519dfb1e65f3eb83 git
CNA	Linux	Linux	affected f2a9957e5c08b1b1caacd18a3dc4c0a1bdb7b463 git
CNA	Linux	Linux	affected cf16e42709aa86aa3e37f3acc3d13d5715d90096 git
CNA	Linux	Linux	affected 61fa9f167caaa73d0a7c88f498eceeb12c6fa3db git
CNA	Linux	Linux	affected 7874eee0130adf9bee28e8720bb5dd051089def3 git
CNA	Linux	Linux	affected fc3b55ef2c840bb2746b2d8121a0788de84f7fac git
CNA	Linux	Linux	affected 5.5
CNA	Linux	Linux	unaffected 5.5 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 6.6.131 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.80 6.12.* 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/de7c0c04ad868f2cee6671b11c0a6d20421af1da	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/7475dfad10a05a5bfadebf5f2499bd61b19ed293	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch

git.kernel.org/stable/c/92e47ad03e03dbb5515bdf06444bf6b1e147310d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/210d36d892de5195e6766c45519dfb1e65f3eb83	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/71112e62807d1925dc3ae6188b11f8cfc85aec23	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/5e8e06bf8909e79b4acd950cf578cfc2f10bbefa	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/e7824ec168d2ac883a213cd1f4d6cc0816002a85	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/33095ae3bdde5e5c264d7e88a2f3e7703a26c7aa	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.