fork: defer linking file vma until vma is fully initialized

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

Summary

CVE	CVE-2024-27022
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-05-01 06:15:21 UTC
Updated	2026-04-11 13:16:33 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: fork: defer linking file vma until vma is fully initialized Thor

Risk And Classification

Primary CVSS: v3.1 7.8 HIGH from nvd@nist.gov

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

Problem Types: CWE-908

CVSS v3.1 Breakdown

Attack Vector
Local

Attack Complexity
Low

Privileges Required
Low

User Interaction
None

Scope
Unchanged

Confidentiality
High

Integrity
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 8d9bfb2608145cf3e408428c224099e1585471af 2e5cbab8ccbfc7d4a3d8a21d3c2a1f2c1aa29b5b git
CNA	Linux	Linux	affected 8d9bfb2608145cf3e408428c224099e1585471af abdb88dd272bbeb93efe01d8e0b7b17e24af3a34 git
CNA	Linux	Linux	affected 8d9bfb2608145cf3e408428c224099e1585471af 35e351780fa9d8240dd6f7e4f245f9ea37e96c19 git
CNA	Linux	Linux	affected 6.1
CNA	Linux	Linux	unaffected 6.1 semver
CNA	Linux	Linux	unaffected 6.6.134 6.6.* semver
CNA	Linux	Linux	unaffected 6.8.8 6.8.* semver
CNA	Linux	Linux	unaffected 6.9 * original_commit_for_fix

References

Reference	Source	Link
git.kernel.org/stable/c/dd782da470761077f4d1120e191f1a35787cda6e	af854a3a-2127-422b-91ae-364da2661108	git.ke
git.kernel.org/stable/c/35e351780fa9d8240dd6f7e4f245f9ea37e96c19	af854a3a-2127-422b-91ae-364da2661108	git.ke
git.kernel.org/stable/c/0c42f7e039aba3de6d7dbf92da708e2b2ecba557	af854a3a-2127-422b-91ae-364da2661108	git.ke
lists.fedoraproject.org/archives/list/package-announce@lists.fedoraproject.org/messag...	af854a3a-2127-422b-91ae-364da2661108	lists.f
git.kernel.org/stable/c/2e5cbab8ccbfc7d4a3d8a21d3c2a1f2c1aa29b5b	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.ke
git.kernel.org/stable/c/04b0c41912349aff11a1bbaef6a722bd7fbb90ac	af854a3a-2127-422b-91ae-364da2661108	git.ke
lists.fedoraproject.org/archives/list/package-announce@lists.fedoraproject.org/messag...	af854a3a-2127-422b-91ae-364da2661108	lists.f
git.kernel.org/stable/c/abdb88dd272bbeb93efe01d8e0b7b17e24af3a34	af854a3a-2127-422b-91ae-364da2661108	git.ke
lists.fedoraproject.org/archives/list/package-announce@lists.fedoraproject.org/messag...	af854a3a-2127-422b-91ae-364da2661108	lists.f
git.kernel.org/stable/c/cec11fa2eb512ebe3a459c185f4aca1d44059bbf	af854a3a-2127-422b-91ae-364da2661108	git.ke
CVE Program record	CVE.ORG	www.
NVD vulnerability detail	NVD	nvd.n

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