



# io\_uring: ensure ctx->rings is stable for task work flags manipulation

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## Summary

**CVE** CVE-2026-23275

**State** PUBLISHED

**Assigner** Linux

**Source Priority** CVE Program / NVD first with legacy fallback

**Published** 2026-03-20 09:16:13 UTC

**Updated** 2026-04-02 15:16:29 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: io\_uring: ensure ctx->rings is stable for task work flags ma

## 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:** 0.000130000 probability, percentile 0.021650000 (date 2026-04-05)

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

Integrity

High

Availability

High

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

### Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 79cfe9e59c2a12c3b3faeeefe38d23f3d8030972 7cc4530b3e952d4a5947e1e55d06620d8845d4f5 git
CNA	Linux	Linux	affected 79cfe9e59c2a12c3b3faeeefe38d23f3d8030972 46dc07d5f31411cc023f3bf1f4a23a07bf6e0ed1 git
CNA	Linux	Linux	affected 79cfe9e59c2a12c3b3faeeefe38d23f3d8030972 96189080265e6bb5dde3a4af947af493e3f82 git
CNA	Linux	Linux	affected 6.13
CNA	Linux	Linux	unaffected 6.13 semver
CNA	Linux	Linux	unaffected 6.18.19 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.9 6.19.* semver
CNA	Linux	Linux	unaffected 7.0-rc4 * original_commit_for_fix

### References

Reference	Source	Link	Tags
git.kernel.org/stable/c/96189080265e6bb5dde3a4af947af493e3f82	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/96189080265e6bb5dde3a4af947af493e3f82">git.kernel.org</a>	
git.kernel.org/stable/c/46dc07d5f31411cc023f3bf1f4a23a07bf6e0ed1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/46dc07d5f31411cc023f3bf1f4a23a07bf6e0ed1">git.kernel.org</a>	
git.kernel.org/stable/c/7cc4530b3e952d4a5947e1e55d06620d8845d4f5	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/7cc4530b3e952d4a5947e1e55d06620d8845d4f5">git.kernel.org</a>	
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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