



# block, bfq: fix possible UAF for bfqq->bic with merge chain

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2024-47706
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2024-10-21 12:15:07 UTC
<b>Updated</b>	2026-05-12 12:17:14 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: block, bfq: fix possible UAF for bfqq->bic with merge chain

## 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

**Problem Types:** CWE-416

## 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 36eca894832351feed9072d0f97eb06fc9482
CNA	Linux	Linux	affected 36eca894832351feed9072d0f97eb06fc9482
CNA	Linux	Linux	affected 36eca894832351feed9072d0f97eb06fc9482
CNA	Linux	Linux	affected 36eca894832351feed9072d0f97eb06fc9482
CNA	Linux	Linux	affected 36eca894832351feed9072d0f97eb06fc9482
CNA	Linux	Linux	affected 36eca894832351feed9072d0f97eb06fc9482
CNA	Linux	Linux	affected 36eca894832351feed9072d0f97eb06fc9482
CNA	Linux	Linux	affected 36eca894832351feed9072d0f97eb06fc9482
CNA	Linux	Linux	affected 36eca894832351feed9072d0f97eb06fc9482
CNA	Linux	Linux	affected 4.12
CNA	Linux	Linux	unaffected 4.12 semver
CNA	Linux	Linux	unaffected 4.19.323 4.19.* semver
CNA	Linux	Linux	unaffected 5.4.285 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.227 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.168 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.113 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.54 6.6.* semver
CNA	Linux	Linux	unaffected 6.10.13 6.10.* semver
CNA	Linux	Linux	unaffected 6.11.2 6.11.* semver
CNA	Linux	Linux	unaffected 6.12 * original_commit_for_fix
ADP	Siemens	RUGGEDCOM RST2428P	affected V3.2 custom
ADP	Siemens	SCALANCE XC-300/XR-300/XC-400/XR-500WG/XR-500 Family	affected V3.2 custom
ADP	Siemens	SCALANCE XCM-/XRM-/XCH-/XRH-300 Family	affected V3.2 custom
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

## References

Reference	Source	Link
git.kernel.org/stable/c/6d130db286ad0ea392c96ebb2551acf0d7308048	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/880692ee233ba63808182705b3333403413b58f5	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>

lists.debian.org/debian-lts-announce/2025/03/msg00002.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/a9bdd5b36887d2bacb8bc777fd18317c99fc2587	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/ddbdaad123254fb53e32480cb74a486a6868b1e0	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-265688.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.cc
git.kernel.org/stable/c/e1277ae780cca4e69ef5468d4582dfd48f0b8320	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/7faed2896d78e48ec96229e73b30b0af6c00a9aa	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/18ad4df091dd5d067d2faa8fce1180b79f7041a7	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/8aa9de02a4be2e7006e636816ce19b0d667ceaa3	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-355557.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.cc
lists.debian.org/debian-lts-announce/2025/01/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/bc2140534b2aae752e4f7cb4489642dbb5ec4777	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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