



io: imu: st_lsm6dsx: Set buffer sampling frequency for accelerometer only

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2026-31764
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-01 15:16:39 UTC
Updated	2026-05-08 18:04:24 UTC

Description In the Linux kernel, the following vulnerability has been resolved: io: imu: st_lsm6dsx: Set buffer sampling frequency for acc

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

EPSS: 0.000150000 probability, percentile 0.029500000 (date 2026-05-12)

Problem Types: CWE-129

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
Operating System	Linux	Linux Kernel	7.0	rc1	All	All
Operating System	Linux	Linux Kernel	7.0	rc2	All	All
Operating System	Linux	Linux Kernel	7.0	rc3	All	All
Operating System	Linux	Linux Kernel	7.0	rc4	All	All
Operating System	Linux	Linux Kernel	7.0	rc5	All	All
Operating System	Linux	Linux Kernel	7.0	rc6	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 6b648a36c200dfd3e776e657a4c8a8ce63fb52d3 3225a81e8d264442b14c7c1bc965ebafa3c0ee01 git
CNA	Linux	Linux	affected 6b648a36c200dfd3e776e657a4c8a8ce63fb52d3 679c04c10d65d32a3f269e696b22912ff0a001b9 git
CNA	Linux	Linux	affected 6.19
CNA	Linux	Linux	unaffected 6.19 semver
CNA	Linux	Linux	unaffected 6.19.12 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/679c04c10d65d32a3f269e696b22912ff0a001b9	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/3225a81e8d264442b14c7c1bc965ebafa3c0ee01	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical

No vendor comments have been submitted for this CVE.

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

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