



af_packet: fix vlan_get_protocol_dgram() vs MSG_PEEK

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

Summary

CVE	CVE-2024-57901
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-01-15 13:15:14 UTC
Updated	2026-05-12 13:16:23 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: af_packet: fix vlan_get_protocol_dgram() vs MSG_PEEK

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: NVD-CWE-noinfo | CWE-noinfo Not enough information

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H
3.1	ADP	DECLARED	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

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 c77064e76c768fb101ea5ff92dc771142fc9d8fd 560cbdd
CNA	Linux	Linux	affected 83e2dfadcb6258fe3111c8a8ec9cf34465e55e64 0d3fa6c
CNA	Linux	Linux	affected d0a1f9aa70f0d8a05b6320e8a3f3b83adab8dac3 de4f8d
CNA	Linux	Linux	affected 5839f59ff1dd4e35b9e767927931a039484839e1 5d3367
CNA	Linux	Linux	affected 5a041d25b67042cbe06a0fb292ee22fd1 147e65c a693b
CNA	Linux	Linux	affected 79eecf631c14e7f4057186570ac20e2cfac3802e cd8488f
CNA	Linux	Linux	affected 79eecf631c14e7f4057186570ac20e2cfac3802e f91a5b
CNA	Linux	Linux	affected 3dfd84aa72fa7329ed4a257c8f40e0c9aff4dc8f git
CNA	Linux	Linux	affected 66f23a7b5174b5d3e7111fd2d0d5a4f3faaa12e5 git
CNA	Linux	Linux	affected 6.11
CNA	Linux	Linux	unaffected 6.11 semver
CNA	Linux	Linux	unaffected 5.4.289 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.233 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.176 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.124 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.70 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.9 6.12.* semver
CNA	Linux	Linux	unaffected 6.13 * original_commit_for_fix
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.0 V3.1.5 custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.0 V3.1.5 custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.0 V3.1.5 custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.0 V3.1.5 custom
ADP	Siemens	SIPLUS S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.0 V3.1.5 custom

References		
Reference	Source	Link
cert-portal.siemens.com/productcert/html/ssa-398330.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.com
git.kernel.org/stable/c/0d3fa6c3c9ca7aa255696150f5b759ac4a4974e1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/cd8488fdc7116f6da277515647b167859d4f72b1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/03/msg00002.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/5d336714db324bef84490c75dcc48b387ef0346e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/560cbdd26b510626f3f4f27d34c44dfd3dd3499d	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.com
git.kernel.org/stable/c/a693b87692b4d7c50f4fc08a996678d60534a9da	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/03/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/de4f8d477c67ec1d7c28f3486c3e47d147d90a01	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/f91a5b8089389eb408501af2762f168c3aaa7b79	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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