



af_unix: Fix data races in unix_release_sock/unix_stream_sendmsg

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

Summary

| | |
|------------------------|--|
| CVE | CVE-2024-38596 |
| State | PUBLISHED |
| Assigner | Linux |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2024-06-19 14:15:19 UTC |
| Updated | 2026-05-12 12:16:54 UTC |

Description In the Linux kernel, the following vulnerability has been resolved: af_unix: Fix data races in unix_release_sock/unix_stream_sendmsg

Risk And Classification

Primary CVSS: v3.1 4.7 MEDIUM from nvd@nist.gov

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

Problem Types: CWE-362

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

High

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

CVSS:3.1/AV:L/AC:H/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 1da177e4c3f41524e886b7f1b8a0c1fc7321c |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321c |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321c |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321c |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321c |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321c |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321c |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321c |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321c |
| CNA | Linux | Linux | affected 2.6.12 |
| CNA | Linux | Linux | unaffected 2.6.12 semver |
| CNA | Linux | Linux | unaffected 4.19.316 4.19.* semver |
| CNA | Linux | Linux | unaffected 5.4.278 5.4.* semver |
| CNA | Linux | Linux | unaffected 5.10.219 5.10.* semver |
| CNA | Linux | Linux | unaffected 5.15.161 5.15.* semver |
| CNA | Linux | Linux | unaffected 6.1.93 6.1.* semver |
| CNA | Linux | Linux | unaffected 6.6.33 6.6.* semver |
| CNA | Linux | Linux | unaffected 6.8.12 6.8.* semver |
| CNA | Linux | Linux | unaffected 6.9.3 6.9.* semver |
| CNA | Linux | Linux | unaffected 6.10 * original_commit_for_fix |
| ADP | Siemens | RUGGEDCOM RST2428P | affected V3.1 custom |
| ADP | Siemens | SCALANCE XC-300/XR-300/XC-400/XR-500WG/XR-500 Family | unaffected * custom |
| ADP | Siemens | SCALANCE XCM-/XRM-/XCH-/XRH-300 Family | affected V3.1 custom |
| 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.co |
| git.kernel.org/stable/c/8299e4d778f664b31b67cf4cf3d5409de2ecb92c | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| git.kernel.org/stable/c/fca6072e1a7b1e709ada5604b951513b89b4bd0a | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| git.kernel.org/stable/c/9aa8773abfa0e954136875b4cbf2df4cf638e8a5 | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| cert-portal.siemens.com/productcert/html/ssa-265688.html | 0b142b55-0307-4c5a-b3c9-f314f3fb7c5e | cert-portal.siemens.co |
| git.kernel.org/stable/c/de6641d213373fbde9bbdd7c4b552254bc9f82fe | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| git.kernel.org/stable/c/a4c88072abcaca593cefe70f90e9d3707526e8f9 | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| git.kernel.org/stable/c/540bf24fba16b88c1b3b9353927204b4f1074e25 | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| cert-portal.siemens.com/productcert/html/ssa-613116.html | 0b142b55-0307-4c5a-b3c9-f314f3fb7c5e | cert-portal.siemens.co |
| git.kernel.org/stable/c/4d51845d734a4c5d079e56e0916f936a55e15055 | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| git.kernel.org/stable/c/0688d4e499bee3f2749bca27329bd128686230cb | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| lists.debian.org/debian-lts-announce/2024/06/msg00020.html | af854a3a-2127-422b-91ae-364da2661108 | lists.debian.org |
| git.kernel.org/stable/c/a52fa2addfcccc2c5a0217fd45562605088c018b | af854a3a-2127-422b-91ae-364da2661108 | 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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