



scsi: qedi: Fix crash while reading debugfs attribute

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

Summary

| | |
|------------------------|--|
| CVE | CVE-2024-40978 |
| State | PUBLISHED |
| Assigner | Linux |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2024-07-12 13:15:19 UTC |
| Updated | 2026-05-12 12:17:01 UTC |

Description In the Linux kernel, the following vulnerability has been resolved: scsi: qedi: Fix crash while reading debugfs attribute The q

Risk And Classification

Primary CVSS: v3.1 7.1 HIGH from nvd@nist.gov

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

Problem Types: CWE-125

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

None

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/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 ace7f46ba5fde7273207c7122b0650ceb7251 |
| CNA | Linux | Linux | affected ace7f46ba5fde7273207c7122b0650ceb7251 |
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| CNA | Linux | Linux | affected ace7f46ba5fde7273207c7122b0650ceb7251 |
| CNA | Linux | Linux | affected ace7f46ba5fde7273207c7122b0650ceb7251 |
| CNA | Linux | Linux | affected 4.10 |
| CNA | Linux | Linux | unaffected 4.10 semver |
| CNA | Linux | Linux | unaffected 4.19.317 4.19.* semver |
| CNA | Linux | Linux | unaffected 5.4.279 5.4.* semver |
| CNA | Linux | Linux | unaffected 5.10.221 5.10.* semver |
| CNA | Linux | Linux | unaffected 5.15.162 5.15.* semver |
| CNA | Linux | Linux | unaffected 6.1.96 6.1.* semver |
| CNA | Linux | Linux | unaffected 6.6.36 6.6.* semver |
| CNA | Linux | Linux | unaffected 6.9.7 6.9.* semver |
| CNA | Linux | Linux | unaffected 6.10 * original_commit_for_fix |
| ADP | Siemens | RUGGEDCOM RST2428P | unaffected * 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 | unaffected * custom |
| ADP | Siemens | SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem | affected * custom |

References

| Reference | Source | Link |
|--|--------------------------------------|---|
| git.kernel.org/stable/c/fa85b016a56b9775a3fe41e5d26e666945963b46 | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| git.kernel.org/stable/c/21c963de2e86e88f6a8ca556bcebb8e62ab8e901 | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| git.kernel.org/stable/c/28027ec8e32ecbadcd67623edb290dad61e735b5 | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| git.kernel.org/stable/c/397a8990c377ee4b61d6df768e61dff9e316d46b | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| git.kernel.org/stable/c/e2f433ea7d0ff77998766a088a287337fb43ad75 | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |

| | | |
|--|--------------------------------------|---|
| git.kernel.org/stable/c/eaddb86637669f6bad89245ee63f8fb2bfb50241 | 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.com |
| git.kernel.org/stable/c/144d76a676b630e321556965011b00e2de0b40a7 | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| git.kernel.org/stable/c/56bec63a7fc87ad50b3373a87517dc9770eef9e0 | af854a3a-2127-422b-91ae-364da2661108 | git.kernel.org |
| cert-portal.siemens.com/productcert/html/ssa-355557.html | 0b142b55-0307-4c5a-b3c9-f314f3fb7c5e | cert-portal.siemens.com |
| lists.debian.org/debian-lts-announce/2025/01/msg00001.html | af854a3a-2127-422b-91ae-364da2661108 | lists.debian.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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