



tls: fix handling of zero-length records on the rx_list

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#)

Summary

CVE	CVE-2025-39682
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-09-05 18:15:44 UTC
Updated	2026-05-12 13:17:04 UTC

Description In the Linux kernel, the following vulnerability has been resolved: tls: fix handling of zero-length records on the rx_list Each r

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: NVD-CWE-Other

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 84c61fe1a75b4255df1e1e7c054c9e6d048da417 2902c3ebcca52ca845c03182000e8d71d
CNA	Linux	Linux	affected 84c61fe1a75b4255df1e1e7c054c9e6d048da417 c09dd3773b5950e9cfb6c9b9a5f6e36d06
CNA	Linux	Linux	affected 84c61fe1a75b4255df1e1e7c054c9e6d048da417 3439c15ae91a517cf3c650ea15a898769
CNA	Linux	Linux	affected 84c61fe1a75b4255df1e1e7c054c9e6d048da417 29c0ce3c8cdb6dc5d61139c937f34cb88
CNA	Linux	Linux	affected 84c61fe1a75b4255df1e1e7c054c9e6d048da417 62708b9452f8eb77513115b17c4f8d1a22
CNA	Linux	Linux	affected 6.0
CNA	Linux	Linux	unaffected 6.0 semver
CNA	Linux	Linux	unaffected 6.1.149 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.103 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.44 6.12.* semver
CNA	Linux	Linux	unaffected 6.16.4 6.16.* semver
CNA	Linux	Linux	unaffected 6.17 * original_commit_for_fix
ADP	Siemens	SIMATIC CN 4100	affected V5.0 custom

References

Reference	Source	Link
lists.debian.org/debian-lts-announce/2025/10/msg00008.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/62708b9452f8eb77513115b17c4f8d1a22ebf843	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-032379.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/3439c15ae91a517cf3c650ea15a8987699416ad9	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
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git.kernel.org/stable/c/29c0ce3c8cdb6dc5d61139c937f34cb888a6f42e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/2902c3ebcca52ca845c03182000e8d71d3a5196f	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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