CVE-2016-8645

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2016-8645
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-11-28 03:59:07 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The TCP stack in the Linux kernel before 4.8.10 mishandles skb truncation, which allows local users to cause a denial of se

Risk And Classification

Primary CVSS: v3.0 5.5 MEDIUM from nvd@nist.gov

CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

EPSS: 0.000330000 probability, percentile 0.095050000 (date 2026-05-07)

Problem Types: CWE-284 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	5.5	MEDIUM	CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H
2.0	nvd@nist.gov	Primary	4.9		AV:L/AC:L/Au:N/C:N/I:N/A:C

CVSS v3.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

None

Availability

High

CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Complete

AV:L/AC:L/Au:N/C:N/I:N/A:C

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	Platforms
CNA	Na	N/a	affected n/a	Not specified

References

Reference	Source
tcp: take care of truncations done by sk_filter() · torvalds/linux@ac6e780 · GitHub	af854a3a
oss-security - Re: CVE-2016-8645: linux kernel: net: a BUG() statement can be hit in net/ipv4/tcp_input.c	af854a3a
Bug 1393904 – CVE-2016-8645 kernel: a BUG() statement can be hit in net/ipv4/tcp_input.c	af854a3a
Red Hat Customer Portal	af854a3a
Linux Kernel CVE-2016-8645 Local Denial of Service Vulnerability	af854a3a
Linux Kernel Crash in tcp_collapse() Lets Local Users Cause Denial of Service Conditions on the Target System - SecurityTracker	af854a3a
www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.8.10	af854a3a
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a
oss-security - CVE-2016-8645: linux kernel: net: a BUG() statement can be hit in net/ipv4/tcp_input.c	af854a3a

oss-security - CVE-2016-8645: linux kernel: net: a BUG() statement can be hit in net/ipv4/tcp_input.c	d3cd1ad
Red Hat Customer Portal	af854a3a
Red Hat Customer Portal	af854a3a
CVE-2016-8645 - Red Hat Customer Portal	MITRE
CVE Program record	CVE.OR
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

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