



CVE-2016-8646

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

Summary

CVE	CVE-2016-8646
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-11-28 03:59:08 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The hash_accept function in crypto/algif_hash.c in the Linux kernel before 4.3.6 allows local users to cause a denial of serv

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: 0.000340000 probability, percentile 0.099520000 (date 2026-05-07)

Problem Types: CWE-476 | 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
www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.3.6	af854a3a-2127-422b-91ae-364da266110
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da266110
oss-security - CVE-2016-8646: linux kernel - oops in shash_async_export()	af854a3a-2127-422b-91ae-364da266110
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da266110
Bug 1388821 – CVE-2016-8646 kernel: Oops in shash_async_export()	af854a3a-2127-422b-91ae-364da266110
crypto: algif_hash - Only export and import on sockets with data · torvalds/linux@4afa5f9 · GitHub	af854a3a-2127-422b-91ae-364da266110
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364da266110
Linux Kernel 'crypto/algif_hash.c' Local Denial of Service Vulnerability	af854a3a-2127-422b-91ae-364da266110
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da266110

Red Hat Customer Portal	MITRE
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD
No vendor comments have been submitted for this CVE.	
Legacy QID Mappings 378249 Virtuozzo Linux Security Update for kernel-tools-libs (VZLSA-2017:1308)	

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