



CVE-2017-16840

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

Summary

CVE	CVE-2017-16840
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-11-21 08:29:00 UTC
Updated	2025-04-20 01:37:25 UTC
Description	The VC-2 Video Compression encoder in FFmpeg 3.0 and 3.4 allows remote attackers to cause a denial of service (out-of-l

Risk And Classification

Primary CVSS: v3.1 9.8 CRITICAL from nvd@nist.gov

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

EPSS: 0.015850000 probability, percentile 0.817940000 (date 2026-05-14)

Problem Types: CWE-125 | n/a

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	7.5		AV:N/AC:L/Au:N/C:P/I:P/A:P

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

High

Availability

High

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

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

Partial

Integrity

Partial

Availability

Partial

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	9.0	All	All	All
Application	Ffmpeg	Ffmpeg	3.0	All	All	All
Application	Ffmpeg	Ffmpeg	3.4	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified

References

Reference	Source
Debian -- Security Information -- DSA-4049-1 ffmpeg	af854a3a-2127-422b-91ae-364da2661108
git.videolan.org Git - ffmpeg.git/commit	af854a3a-2127-422b-91ae-364da2661108
vc2enc_dwt: pad the temporary buffer by the slice size · FFmpeg/FFmpeg@94e538a · GitHub	af854a3a-2127-422b-91ae-364da2661108
FFmpeg CVE-2017-16840 Multiple Denial of Service Vulnerabilities	af854a3a-2127-422b-91ae-364da2661108
git.videolan.org Git - ffmpeg.git/commit	MITRE
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

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

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