



Libtheora: libtheora: denial of service or information disclosure via malformed avi file processing

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

Summary

CVE	CVE-2026-5673
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-06 10:16:03 UTC
Updated	2026-05-01 19:53:02 UTC
Description	A flaw was found in libtheora. This heap-based out-of-bounds read vulnerability exists within the AVI (Audio Video Interleav

Risk And Classification

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

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

EPSS: 0.000050000 probability, percentile 0.002190000 (date 2026-05-05)

Problem Types: CWE-125 | CWE-125 Out-of-bounds Read

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	7.1	HIGH	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:N/A:H
3.1	secalert@redhat.com	Secondary	5.6	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:R/S:U/C:L/I:N/A:H
3.1	CNA	CVSS	5.6	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:R/S:U/C:L/I:N/A:H

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

High

Integrity

None

Availability

High

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Redhat	Enterprise Linux	10.0	All	All	All
Operating System	Redhat	Enterprise Linux	6.0	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All
Operating System	Redhat	Enterprise Linux	9.0	All	All	All
Application	Xiph	Theora	-	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Red Hat	Red Hat Enterprise Linux 10	Not specified	Not specified
CNA	Red Hat	Red Hat Enterprise Linux 6	Not specified	Not specified
CNA	Red Hat	Red Hat Enterprise Linux 7	Not specified	Not specified
CNA	Red Hat	Red Hat Enterprise Linux 8	Not specified	Not specified
CNA	Red Hat	Red Hat Enterprise Linux 9	Not specified	Not specified

References

Reference	Source	Link	Tags
github.com/xiph/theora/issues/24	secalert@redhat.com	github.com	Exploit, Issue Tracking, Third Party Advisory
bugzilla.redhat.com/show_bug.cgi	secalert@redhat.com	bugzilla.redhat.com	Issue Tracking, Third Party Advisory
access.redhat.com/security/cve/CVE-2026-5673	secalert@redhat.com	access.redhat.com	Third Party Advisory
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

Vendor Comments And Credit

Discovery Credit

CNA: Red Hat would like to thank ChenZhengzhe (HangZhouDianZi University) for reporting this issue. (en)

Additional Advisory Data

Source	Time	Event
CNA	2026-04-06T09:10:22.355Z	Reported to Red Hat.
CNA	2026-04-06T09:16:15.072Z	Made public.

Workarounds

CNA: To mitigate this issue, users should avoid opening untrusted AVI files. Exercise caution when handling AVI files from unknown or suspicious sources.

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

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