



CVE-2020-22031

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

Summary

CVE	CVE-2020-22031
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-05-27 18:15:00 UTC
Updated	2021-11-05 21:45:00 UTC
Description	A Heap-based Buffer Overflow vulnerability exists in FFmpeg 4.2 at libavfilter/vf_w3fdif.c in filter16_complex_low, which mi

Risk And Classification

Problem Types: CWE-787

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Application	Ffmpeg	Ffmpeg	4.2	-	All	All

References

Reference	Source	Link	Tags
gdb-vf_w3fdif_191 on Ticket #8243 – Attachment – FFmpeg	MISC	trac.ffmpeg.org	
#8243 (heap-buffer-overflow at libavfilter/vf_w3fdif.c) – FFmpeg	MISC	trac.ffmpeg.org	
Debian -- Security Information -- DSA-4990-1 ffmpeg	DEBIAN	www.debian.org	
[SECURITY] [DLA 2742-1] ffmpeg security update	MLIST	lists.debian.org	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

178763 Debian Security Update for ffmpeg (DLA 2742-1)

[178827](#) Debian Security Update for ffmpeg (DSA 4990-1)

[198828](#) Ubuntu Security Notification for FFmpeg Vulnerabilities (USN-5472-1)

[750835](#) OpenSUSE Security Update for ffmpeg (openSUSE-SU-2021:2322-1)

[751079](#) SUSE Enterprise Linux Security Update for ffmpeg (SUSE-SU-2021:2929-1)

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)