



Google Chromium libvpx Heap Buffer Overflow Vulnerability

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

Summary

CVE	CVE-2023-5217
State	PUBLIC
Assigner	chrome-cve-admin@google.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-09-28 16:15:00 UTC
Updated	2024-02-02 18:22:00 UTC
Description	Heap buffer overflow in vp8 encoding in libvpx in Google Chrome prior to 117.0.5938.132 and libvpx 1.13.1 allowed a remo

Risk And Classification

EPSS: 0.049000000 probability, percentile 0.895590000 (date 2026-04-01)

CISA KEV: Listed on 2023-10-02; due 2023-10-23; ransomware use Unknown

Problem Types: CWE-787

CISA Known Exploited Vulnerability

Vendor	Google
Product	Chromium libvpx
Name	Google Chromium libvpx Heap Buffer Overflow Vulnerability
Required Action	Apply mitigations per vendor instructions or discontinue use of the product if mitigations are unavailable.
Notes	https://chromereleases.googleblog.com/2023/09/stable-channel-update-for-desktop_27.html ; https://nvd.nist.gov/vuln/detail/CVE-2023-5217

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Apple	Ipad Os	All	All	All	All
Operating System	Apple	Ipad Os	16.7	All	All	All
Operating System	Apple	Iphone Os	All	All	All	All
Operating System	Apple	Iphone Os	16.7	All	All	All
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Debian	Debian Linux	11.0	All	All	All

Operating System	Debian	Debian Linux	12.0	All	All	All
Operating System	Fedoraproject	Fedora	37	All	All	All
Operating System	Fedoraproject	Fedora	38	All	All	All
Operating System	Fedoraproject	Fedora	39	All	All	All
Application	Google	Chrome	All	All	All	All
Application	Microsoft	Edge	116.0.1938.98	All	All	All
Application	Microsoft	Edge	117.0.2045.47	All	All	All
Application	Microsoft	Edge Chromium	116.0.5845.229	All	All	All
Application	Microsoft	Edge Chromium	117.0.5938.132	All	All	All
Application	Mozilla	Firefox	All	All	All	All
Application	Mozilla	Firefox	All	All	All	All
Application	Mozilla	Firefox	All	All	All	All
Application	Mozilla	Firefox	All	All	All	All
Application	Mozilla	Firefox Esr	All	All	All	All
Application	Mozilla	Firefox Esr	All	All	All	All
Application	Mozilla	Firefox Focus	All	All	All	All
Application	Mozilla	Firefox Focus	All	All	All	All
Application	Mozilla	Thunderbird	All	All	All	All
Application	Webmproject	Libvpx	All	All	All	All
Application	Webmproject	Libvpx	1.13.1	All	All	All

References

Reference

[SECURITY] Fedora 37 Update: libvpx-1.12.0-4.fc37 - package-announce - Fedora Mailing-Lists

oss-security - Re: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx

2241191 – (CVE-2023-5217) CVE-2023-5217 libvpx: Heap buffer overflow in vp8 encoding in libvpx

1486441 - chromium - An open-source project to help move the web forward. - Monorail

oss-security - Re: Haskell programs in distributions (was: Rust programs in distributions (Was: CVE-2023-5217: Heap buffer overflow in vp8 er

[SECURITY] Fedora 39 Update: firefox-118.0.1-4.fc39 - package-announce - Fedora Mailing-Lists

oss-security - Re: Rust programs in distributions (Was: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx)

[SECURITY] [DLA 3601-1] thunderbird security update

Debian -- Security Information -- DSA-5508-1 chromium

oss-security - Re: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx

[SECURITY] [DLA 3591-1] firefox-esr security update

Chrome Releases: Stable Channel Update for Desktop

Maddie Stone on X: ".@_clem1 discovered another ITW 0-day in use by a commercial surveillance vendor: CVE-2023-5217. Thank you to Ch

oss-security - Re: Rust programs in distributions (Was: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx)
Security Vulnerability fixed in Firefox 118.0.1, Firefox ESR 115.3.1, Firefox for Android 118.1.0, Firefox Focus for Android 118.1.0, and Thunderbird 115.15.0
CVE-2023-5217
Full Disclosure: APPLE-SA-10-10-2023-1 iOS 16.7.1 and iPadOS 16.7.1
Debian -- Security Information -- DSA-5509-1 firefox-esr
oss-security - Wuffs (was: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx)
oss-security - CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx
VP8: disallow thread count changes · webmproject/libvpx@3fbd1dc · GitHub
oss-security - Re: Re: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx
oss-security - Re: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx
oss-security - Re: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx
[SECURITY] [DLA 3598-1] libvpx security update
oss-security - Re: Rust programs in distributions (Was: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx)
oss-security - Re: Rust programs in distributions (Was: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx)
Full Disclosure: APPLE-SA-2023-10-04-1 iOS 17.0.3 and iPadOS 17.0.3
[SECURITY] Fedora 39 Update: libvpx-1.13.0-5.fc39 - package-announce - Fedora Mailing-Lists
oss-security - Re: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx
support.apple.com/kb/HT213972
libvpx: Multiple Vulnerabilities (GLSA 202310-04) — Gentoo security
Google discloses a WebM VP8 bug, tracked as CVE-2023-5217
oss-security - Re: Rust programs in distributions (Was: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx)
[SECURITY] Fedora 37 Update: chromium-117.0.5938.132-1.fc37 - package-announce - Fedora Mailing-Lists
oss-security - Re: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx
Tags · webmproject/libvpx · GitHub
Chromium, Google Chrome, Microsoft Edge: Multiple Vulnerabilities (GLSA 202401-34) — Gentoo security
oss-security - Re: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx
oss-security - Rust programs in distributions (Was: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx)
Ubuntu packages that depend on libvpx7 - Pastebin.com
oss-security - CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx
oss-security - Re: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx
[SECURITY] Fedora 38 Update: chromium-117.0.5938.132-2.fc38 - package-announce - Fedora Mailing-Lists
[SECURITY] Fedora 38 Update: libvpx-1.13.0-5.fc38 - package-announce - Fedora Mailing-Lists
support.apple.com/kb/HT213961
oss-security - Re: CVE-2023-5217: Heap buffer overflow in vp8 encoding in libvpx
Debian -- Security Information -- DSA-5510-1 libvpx

A new Chrome 0-day is sending the Internet into a new chapter of Groundhog Day | Ars Technica

[SECURITY] Fedora 39 Update: chromium-117.0.5938.132-2.fc39 - package-announce - Fedora Mailing-Lists

encode_api_test: add ConfigResizeChangeThreadCount · webmproject/libvpx@af6dedd · GitHub

Release v1.13.1: libvpx 1.13.1 · webmproject/libvpx · GitHub

CVE Program record

NVD vulnerability detail

CISA Known Exploited Vulnerabilities catalog

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[160952](#) Oracle Enterprise Linux Security Update for thunderbird (ELSA-2023-5435)

[160954](#) Oracle Enterprise Linux Security Update for firefox (ELSA-2023-5434)

[160959](#) Oracle Enterprise Linux Security Update for firefox (ELSA-2023-5433)

[160961](#) Oracle Enterprise Linux Security Update for thunderbird (ELSA-2023-5428)

[160966](#) Oracle Enterprise Linux Security Update for libvpx (ELSA-2023-5537)

[160970](#) Oracle Enterprise Linux Security Update for libvpx (ELSA-2023-5539)

[160972](#) Oracle Enterprise Linux Security Update for thunderbird (ELSA-2023-5475)

[160976](#) Oracle Enterprise Linux Security Update for firefox (ELSA-2023-5477)

[199793](#) Ubuntu Security Notification for libvpx Vulnerabilities (USN-6403-1)

[199794](#) Ubuntu Security Notification for Thunderbird Vulnerabilities (USN-6405-1)

[199795](#) Ubuntu Security Notification for Firefox Vulnerabilities (USN-6404-1)

[199850](#) Ubuntu Security Notification for libvpx Vulnerabilities (USN-6403-2)

[199885](#) Ubuntu Security Notification for libvpx Vulnerabilities (USN-6403-3)

[242088](#) Red Hat Update for thunderbird (RHSA-2023:5429)

[242089](#) Red Hat Update for thunderbird (RHSA-2023:5438)

[242090](#) Red Hat Update for firefox (RHSA-2023:5433)

[242091](#) Red Hat Update for thunderbird (RHSA-2023:5435)

[242092](#) Red Hat Update for firefox (RHSA-2023:5427)

[242093](#) Red Hat Update for firefox (RHSA-2023:5437)

[242094](#) Red Hat Update for thunderbird (RHSA-2023:5439)

242095 Red Hat Update for thunderbird (RHSA-2023:5430)
242096 Red Hat Update for firefox (RHSA-2023:5436)
242097 Red Hat Update for firefox (RHSA-2023:5434)
242098 Red Hat Update for firefox (RHSA-2023:5426)
242099 Red Hat Update for thunderbird (RHSA-2023:5432)
242100 Red Hat Update for firefox (RHSA-2023:5440)
242101 Red Hat Update for thunderbird (RHSA-2023:5428)
242108 Red Hat Update for thunderbird (RHSA-2023:5475)
242115 Red Hat Update for firefox (RHSA-2023:5477)
242128 Red Hat Update for libvpx (RHSA-2023:5535)
242129 Red Hat Update for libvpx (RHSA-2023:5534)
242135 Red Hat Update for libvpx (RHSA-2023:5536)
242136 Red Hat Update for libvpx (RHSA-2023:5538)
242137 Red Hat Update for libvpx (RHSA-2023:5537)
242138 Red Hat Update for libvpx (RHSA-2023:5539)
242139 Red Hat Update for libvpx (RHSA-2023:5540)
284561 Fedora Security Update for libvpx (FEDORA-2023-c896cf87db)
284562 Fedora Security Update for chromium (FEDORA-2023-d66a01ad4f)
284563 Fedora Security Update for chromium (FEDORA-2023-0cd03c3746)
284655 Fedora Security Update for libvpx (FEDORA-2023-f696934fbf)
285220 Fedora Security Update for firefox (FEDORA-2023-bbb8d72c6f)
285232 Fedora Security Update for chromium (FEDORA-2023-c890266d3f)
285234 Fedora Security Update for libvpx (FEDORA-2023-10ff82e497)
296105 Oracle Solaris 11.4 Support Repository Update (SRU) 63.157.1 Missing (CPUOCT2023)
378905 Google Chrome Prior to 117.0.5938.132 Multiple Vulnerabilities
378906 Mozilla Firefox Multiple Vulnerabilities (MFSA2023-44)
378907 Mozilla Firefox ESR Multiple Vulnerabilities (MFSA2023-44)
378911 Microsoft Edge Based on Chromium Prior to 116.0.1938.98/117.0.2045.47 Multiple Vulnerabilities

378965 Alibaba Cloud Linux Security Update for libvpx (ALINUX3-SA-2023:0129)
503357 Alpine Linux Security Update for libvpx
503359 Alpine Linux Security Update for libvpx
503394 Alpine Linux Security Update for qt5-qtwebengine
503463 Alpine Linux Security Update for firefox-esr
503480 Alpine Linux Security Update for qt5-qtwebengine
506071 Alpine Linux Security Update for firefox-esr
506113 Alpine Linux Security Update for libvpx
506203 Alpine Linux Security Update for qt5-qtwebengine
6000063 Debian Security Update for firefox-esr (DLA 3591-1)
6000145 Debian Security Update for thunderbird (DLA 3601-1)
6000146 Debian Security Update for libvpx (DLA 3598-1)
6000187 Debian Security Update for chromium (DSA 5508-1)
6000197 Debian Security Update for libvpx (DSA 5510-1)
6000206 Debian Security Update for thunderbird (DSA 5513-1)
6000242 Debian Security Update for firefox-esr (DSA 5509-1)
610511 Apple iOS 17.0.3 and iPadOS 17.0.3 Security Update Missing
610524 Apple iOS 16.7.1 and iPadOS 16.7.1 Security Update Missing (HT213972)
673948 EulerOS Security Update for libvpx (EulerOS-SA-2024-1279)
691310 Free Berkeley Software Distribution (FreeBSD) Security Update for electron{22,24,25} (2bcd6ba4-d8e2-42e5-9033-b50b722821fb)
691312 Free Berkeley Software Distribution (FreeBSD) Security Update for chromium (6d9c6aae-5eb1-11ee-8290-a8a1599412c6)
710763 Gentoo Linux libvpx Multiple Vulnerabilities (GLSA 202310-04)
710849 Gentoo Linux Chromium, Google Chrome, Microsoft Edge Multiple Vulnerabilities (GLSA 202401-34)
755012 SUSE Enterprise Linux Security Update for MozillaFirefox (SUSE-SU-2023:3941-1)
755013 SUSE Enterprise Linux Security Update for libvpx (SUSE-SU-2023:3940-1)
755018 SUSE Enterprise Linux Security Update for MozillaFirefox (SUSE-SU-2023:3950-1)
755019 SUSE Enterprise Linux Security Update for MozillaFirefox (SUSE-SU-2023:3949-1)
755020 SUSE Enterprise Linux Security Update for libvpx (SUSE-SU-2023:3948-1)

755022 SUSE Enterprise Linux Security Update for libvpx (SUSE-SU-2023:3946-1)
755053 SUSE Enterprise Linux Security Update for MozillaThunderbird (SUSE-SU-2023:4016-1)
755067 OpenSUSE Security Update for opera (openSUSE-SU-2023:0297-1)
755068 OpenSUSE Security Update for opera (openSUSE-SU-2023:0298-1)
941287 AlmaLinux Security Update for thunderbird (ALSA-2023:5435)
941288 AlmaLinux Security Update for firefox (ALSA-2023:5434)
941289 AlmaLinux Security Update for libvpx (ALSA-2023:5537)
941290 AlmaLinux Security Update for libvpx (ALSA-2023:5539)
961025 Rocky Linux Security Update for thunderbird (RLSA-2023:5428)
961027 Rocky Linux Security Update for thunderbird (RLSA-2023:5435)
995519 NodeJs (Npm) Security Update for electron (GHSA-qqvq-6xgj-jw8g)
995520 DotNet (Nuget) Security Update for CefSharp.Common (GHSA-4c29-gfrp-g6x9)

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