



Google Chromium V8 Type Confusion Vulnerability

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

Summary

CVE	CVE-2023-4762
State	PUBLIC
Assigner	chrome-cve-admin@google.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-09-05 22:15:00 UTC
Updated	2024-01-31 17:15:00 UTC
Description	Type Confusion in V8 in Google Chrome prior to 116.0.5845.179 allowed a remote attacker to execute arbitrary code via a

Risk And Classification

EPSS: 0.635870000 probability, percentile 0.984000000 (date 2026-04-01)

CISA KEV: Listed on 2024-02-06; due 2024-02-27; ransomware use Unknown

Problem Types: CWE-843

CISA Known Exploited Vulnerability

Vendor	Google
Product	Chromium V8
Name	Google Chromium V8 Type Confusion 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.html ; https://nvd.nist.gov/vuln/detail/CVE-2023-4762

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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

References

REFERENCES

Reference	Source	Link
[SECURITY] Fedora 39 Update: chromium-116.0.5845.179-1.fc39 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproject.org
QtWebEngine: Multiple Vulnerabilities (GLSA 202312-07) — Gentoo security		security.gentoo.org
Security Update Guide - Microsoft Security Response Center		msrc.microsoft.com
[SECURITY] Fedora 38 Update: chromium-117.0.5938.62-1.fc38 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproject.org
Chrome Releases: Stable Channel Update for Desktop	MISC	chromereleases.com
QtWebEngine: Multiple Vulnerabilities (GLSA 202311-11) — Gentoo security		security.gentoo.org
1473247 - chromium - An open-source project to help move the web forward. - Monorail	MISC	crbug.com
Debian -- Security Information -- DSA-5491-1 chromium	MISC	www.debian.org
Chromium, Google Chrome, Microsoft Edge: Multiple Vulnerabilities (GLSA 202401-34) — Gentoo security		security.gentoo.org
[SECURITY] Fedora 37 Update: chromium-117.0.5938.88-1.fc37 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproject.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov
CISA Known Exploited Vulnerabilities catalog	CISA	www.cisa.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

284523 Fedora Security Update for chromium (FEDORA-2023-3bfb63f6d2)
284530 Fedora Security Update for chromium (FEDORA-2023-b427f54e68)
285263 Fedora Security Update for chromium (FEDORA-2023-d79ff22c5b)
503318 Alpine Linux Security Update for qt5-qtwebengine
506202 Alpine Linux Security Update for qt5-qtwebengine
6000005 Debian Security Update for chromium (DSA 5491-1)
710797 Gentoo Linux QtWebEngine Multiple Vulnerabilities (GLSA 202311-11)
710809 Gentoo Linux QtWebEngine Multiple Vulnerabilities (GLSA 202312-07)
710849 Gentoo Linux Chromium, Google Chrome, Microsoft Edge Multiple Vulnerabilities (GLSA 202401-34)

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