



Google Chromium V8 Type Confusion Vulnerability

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

Summary

CVE	CVE-2023-3079
State	PUBLIC
Assigner	chrome-cve-admin@google.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-06-05 22:15:00 UTC
Updated	2024-01-31 17:15:00 UTC
Description	Type confusion in V8 in Google Chrome prior to 114.0.5735.110 allowed a remote attacker to potentially exploit heap corrup

Risk And Classification

EPSS: 0.021050000 probability, percentile 0.840150000 (date 2026-04-01)

CISA KEV: Listed on 2023-06-07; due 2023-06-28; 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 updates per vendor instructions.
Notes	https://chromereleases.googleblog.com/2023/06/stable-channel-update-for-desktop.html ; https://nvd.nist.gov/vuln/detail/CVE-2023-3079

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	38	All	All	All
Application	Google	Chrome	All	All	All	All

References

Reference	Source	Link
Chrome Releases: Stable Channel Update for Desktop	MISC	chromereleases

chromium releases. Stable Channel Update for Desktop	MISC	chromiumreleases
1450481 - chromium - An open-source project to help move the web forward. - Monorail	MISC	crbug.com
[SECURITY] Fedora 37 Update: chromium-114.0.5735.106-1.fc37 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproje
QtWebEngine: Multiple Vulnerabilities (GLSA 202311-11) — Gentoo security		security.gentoo.
Enterprise Security Alerts & Advisories for Couchbase		www.couchbase
Chrome V8 Type Confusion / New Sandbox Escape ≈ Packet Storm		packetstormsec
Debian -- Security Information -- DSA-5420-1 chromium	MISC	www.debian.org
Chromium, Google Chrome, Microsoft Edge: Multiple Vulnerabilities (GLSA 202401-34) — Gentoo security		security.gentoo.
[SECURITY] Fedora 38 Update: chromium-114.0.5735.106-1.fc38 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproje
Chrome V8 Type Confusion ≈ Packet Storm		packetstormsec
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

- [181832](#) Debian Security Update for chromium (DSA 5420-1)
- [284034](#) Fedora Security Update for chromium (FEDORA-2023-f4954af225)
- [284062](#) Fedora Security Update for chromium (FEDORA-2023-6fe7ff3452)
- [378549](#) Google Chrome Prior to 114.0.5735.106 for Linux and Mac and 114.0.5735.110 for Windows Multiple Vulnerabilities
- [378557](#) Microsoft Edge Based on Chromium Prior to 114.0.1823.41 Multiple Vulnerabilities
- [378588](#) Microsoft Edge Based on Chromium Prior to 109.0.1518.115 Multiple Vulnerabilities
- [503241](#) Alpine Linux Security Update for qt5-qtwebengine
- [506198](#) Alpine Linux Security Update for qt5-qtwebengine
- [691182](#) Free Berkeley Software Distribution (FreeBSD) Security Update for chromium (12741b1f-04f9-11ee-8290-a8a1599412c6)
- [691191](#) Free Berkeley Software Distribution (FreeBSD) Security Update for electron24 (aae2ab45-2d21-4cd5-a53b-07ec933400ac)
- [691192](#) Free Berkeley Software Distribution (FreeBSD) Security Update for electron22 (3c3d3dcb-bef7-4d20-9580-b4216b5ff6a2)
- [691193](#) Free Berkeley Software Distribution (FreeBSD) Security Update for electron23 (3bf6795c-d44c-4033-9b37-ed2e30f34fca)
- [710797](#) Gentoo Linux QtWebEngine Multiple Vulnerabilities (GLSA 202311-11)
- [710849](#) Gentoo Linux Chromium, Google Chrome, Microsoft Edge Multiple Vulnerabilities (GLSA 202401-34)

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