

CVE-2025-5419

Google Chromium V8 Out-of-Bounds Read and Write Vulnerability

CISA KEV since Jun 5, 2025

Actively exploited

Out of bounds read and write in V8 in Google Chrome prior to 137.0.7151.68 allowed a remote attacker to potentially exploit heap corruption via a crafted HTML page. (Chromium security severity: High)

EVRS 75 / ₁₀₀ Urgent priority	CVSS V3.1 8.8 High · NVD	EPSS 0.078 94.7th percentile · FIRST	CISA DEADLINE Jun 26, 2025 KEV since 2025 · listed over a year
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Signals behind the score

☒ counted in the score ☐ not counted

evidence for 6 of 8 signals

☒ CISA KEV	Listed in the catalog	☐ Vendor exploitation	Confirmed exploitation in the wild
☐ Ransomware	No known ransomware campaign association	☐ KEV recency	Added to CISA KEV within the last two years
☒ EPSS	0.078 probability	☐ Pre-patch disclosure	Disclosure status unavailable
☒ CVSS	Base score 8.8	☐ Microsoft Exploitability Index	Not a Microsoft CVE

Remediation

Patch This Cycle Patch or fixed version identified

CISA required action: Apply mitigations per vendor instructions, follow applicable BOD 22-01 guidance for cloud services, or discontinue use of the product if mitigations are unavailable.

Basis: CISA KEV required action

Affected and fixed versions

PACKAGE	AFFECTED	FIXED IN	SOURCE
chrome	< 137.0.7151.68	no fixed version listed	NVD
edge chromium	< 137.0.3296.62	no fixed version listed	NVD

Sources

Vendor guidance	github.com/advisories/GHSA-x828-wp24-7h9m	chromereleases.googleblog.com	chromereleases.googleblog.com/2025/06/stable-channel-update-for-desktop.html
nvd.nist.gov	nvd.nist.gov/vuln/detail/CVE-2025-5419	NVD	nvd.nist.gov/vuln/detail/CVE-2025-5419
CISA KEV	cisa.gov/known-exploited-vulnerabilities-catalog	ENISA EUVD	euvd.enisa.europa.eu/vulnerability/EUVD-2025-16695
Current data	evulnable.com/vulnerability-management/cve/CVE-2025-5419		

Snapshot at generation time. EPSS can move quickly. A public exploit module is not evidence of active exploitation.