



CVE-2016-5198

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

Summary

CVE	CVE-2016-5198
State	PUBLISHED
Assigner	Chrome
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-01-19 05:59:00 UTC
Updated	2026-04-21 17:51:16 UTC
Description	V8 in Google Chrome prior to 54.0.2840.90 for Linux, and 54.0.2840.85 for Android, and 54.0.2840.87 for Windows and Ma

Risk And Classification

Primary CVSS: v3.1 8.8 HIGH from nvd@nist.gov

CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H

EPSS: 0.786620000 probability, percentile 0.990580000 (date 2026-05-12)

CISA KEY: Listed on 2022-06-08; due 2022-06-22; ransomware use Unknown

Problem Types: CWE-787 | incorrect compiler optimisations | CWE-787 CWE-787 Out-of-bounds Write

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	8.8	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H
3.1	ADP	DECLARED	8.8	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	8.8	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	6.8		AV:N/AC:M/Au:N/C:P/I:P/A:P

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Medium

Authentication

None

Confidentiality

Partial

Integrity

Partial

Availability

Partial

AV:N/AC:M/Au:N/C:P/I:P/A:P

CISA Known Exploited Vulnerability

Vendor	Google
Product	Chromium V8
Name	Google Chromium V8 Out-of-Bounds Memory Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2016-5198

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Google	Chrome	All	All	All	All
Operating System	Linux	Linux Kernel	-	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product
CNA	Na	Google Chrome Prior To 54.0.2840.90 For Linux And 54.0.2840.85 For Android And 54.0.2840.87 For Windows And Mac

Google Chrome Out-of-Bounds Memory Access Error in V8 Engine Has Unspecified Impact - SecurityTracker

af854a3a-2127-422b-91ae-36

References

Reference	Source
Red Hat Customer Portal	af854a3a-2127-422b-91ae-36
659475 - chromium - An open-source project to help move the web forward. - Monorail	af854a3a-2127-422b-91ae-36
Chrome Releases: Stable Channel Update for Desktop	af854a3a-2127-422b-91ae-36
www.cisa.gov/known-exploited-vulnerabilities-catalog	134c704f-9b21-4f2e-91b3-4a
Google V8 CVE-2016-5198 Unspecified Security Vulnerability	af854a3a-2127-422b-91ae-36
Google Chrome Out-of-Bounds Memory Access Error in V8 Engine Has Unspecified Impact - SecurityTracker	af854a3a-2127-422b-91ae-36
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD
CISA Known Exploited Vulnerabilities catalog	CISA

No vendor comments have been submitted for this CVE.

Additional Advisory Data

Source	Time	Event
ADP	2022-06-08T00:00:00.000Z	CVE-2016-5198 added to CISA KEV

There are currently no legacy QID mappings associated with this CVE.