CVE-2016-5421

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2016-5421
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-08-10 14:59:06 UTC
Updated	2026-05-06 22:30:45 UTC
Description	Use-after-free vulnerability in libcurl before 7.50.1 allows attackers to control which connection is used or possibly have uns

Risk And Classification

Primary CVSS: v3.1 8.1 HIGH from nvd@nist.gov

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

EPSS: 0.010920000 probability, percentile 0.781720000 (date 2026-05-17)

Problem Types: CWE-416 | n/a

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	8.1	HIGH	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/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

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:N/AC:H/PR:N/UI:N/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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Fedoraproject	Fedora	23	All	All	All
Operating System	Fedoraproject	Fedora	24	All	All	All
Application	Haxx	Libcurl	All	All	All	All
Operating System	Opensuse	Leap	42.1	All	All	All
Operating System	Opensuse	Opensuse	13.2	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified

References

Reference	Source
CPU Oct 2018	af854a3a-2127-422b-91ae-364da2(

[SECURITY] Fedora 24 Update: curl-7.47.1-6.fc24 - package-announce - Fedora Mailing-Lists	af854a3a-2127-422b-91ae-364da2
[R7] LCE 4.8.1 Fixes Multiple Vulnerabilities - Security Advisory | Tenable™	af854a3a-2127-422b-91ae-364da2
openSUSE-SU-2016:2379-1: moderate: Security update for curl	af854a3a-2127-422b-91ae-364da2
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2
USN-3048-1: curl vulnerabilities | Ubuntu	af854a3a-2127-422b-91ae-364da2
Android Security Bulletin—December 2016 | Android Open Source Project	af854a3a-2127-422b-91ae-364da2
curl - use of connection struct after free	af854a3a-2127-422b-91ae-364da2
openSUSE-SU-2016:2227-1: moderate: Security update for curl	af854a3a-2127-422b-91ae-364da2
[SECURITY] Fedora 23 Update: curl-7.43.0-8.fc23 - package-announce - Fedora Mailing-Lists	af854a3a-2127-422b-91ae-364da2
cURL/libcurl CVE-2016-5421 Local Use After Free Denial of Service Vulnerability	af854a3a-2127-422b-91ae-364da2
libcurl Use-After-Free Connection Flaw May Let Local Users Gain Elevated Privileges - SecurityTracker	af854a3a-2127-422b-91ae-364da2
cURL: Multiple vulnerabilities (GLSA 201701-47) — Gentoo security	af854a3a-2127-422b-91ae-364da2
Debian -- Security Information -- DSA-3638-1 curl	af854a3a-2127-422b-91ae-364da2
The Slackware Linux Project: Slackware Security Advisories	af854a3a-2127-422b-91ae-364da2
[SECURITY] Fedora 24 Update: curl-7.47.1-6.fc24 - package-announce - Fedora Mailing-Lists	MITRE
[SECURITY] Fedora 23 Update: curl-7.43.0-8.fc23 - package-announce - Fedora Mailing-Lists	MITRE
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

500111 Alpine Linux Security Update for curl

503766 Alpine Linux Security Update for curl

710385 Gentoo Linux cURL Multiple Vulnerabilities (GLSA 201701-47)

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status **status.cve.report**