



CVE-2017-6627

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

Summary

CVE	CVE-2017-6627
State	PUBLISHED
Assigner	cisco
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-09-07 21:29:00 UTC
Updated	2026-04-22 15:45:22 UTC
Description	A vulnerability in the UDP processing code of Cisco IOS 15.1, 15.2, and 15.4 and IOS XE 3.14 through 3.18 could allow an

Risk And Classification

Primary CVSS: v3.1 7.5 HIGH from nvd@nist.gov

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

EPSS: 0.101800000 probability, percentile 0.931650000 (date 2026-04-23)

CISA KEV: Listed on 2022-03-03; due 2022-03-24; ransomware use Unknown

Problem Types: CWE-399 | CWE-404 | CWE-399 CWE-399

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	7.5	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
3.1	ADP	DECLARED	7.5	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	7.5	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
2.0	nvd@nist.gov	Primary	5		AV:N/AC:L/Au:N/C:N/I:N/A:P

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

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

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Partial

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

CISA Known Exploited Vulnerability

Vendor	Cisco
Product	IOS and IOS XE Software
Name	Cisco IOS Software and Cisco IOS XE Software UDP Packet Processing Denial-of-Service Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2017-6627

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Cisco	ios	15.1(2)gc	All	All	All
Operating System	Cisco	ios	15.1(2)gc1	All	All	All
Operating System	Cisco	ios	15.1(2)gc2	All	All	All
Operating System	Cisco	ios	15.1(4)gc	All	All	All
Operating System	Cisco	ios	15.1(4)gc1	All	All	All
Operating System	Cisco	ios	15.1(4)gc2	All	All	All

Operating System	Cisco	ios	15.2\1\gc	All	All	All
Operating System	Cisco	ios	15.2\1\gc1	All	All	All
Operating System	Cisco	ios	15.2\1\gc2	All	All	All
Operating System	Cisco	ios	15.2\2\gc	All	All	All
Operating System	Cisco	ios	15.2\3r\gca	All	All	All
Operating System	Cisco	ios	15.2\3\gc	All	All	All
Operating System	Cisco	ios	15.2\3\gc1	All	All	All
Operating System	Cisco	ios	15.2\4\gc	All	All	All
Operating System	Cisco	ios	15.2\4\gc1	All	All	All
Operating System	Cisco	ios	15.2\4\gc2	All	All	All
Operating System	Cisco	ios	15.2\4\gc3	All	All	All
Operating System	Cisco	ios	15.4\1\t	All	All	All
Operating System	Cisco	ios	15.4\1\t1	All	All	All
Operating System	Cisco	ios	15.4\1\t2	All	All	All
Operating System	Cisco	ios	15.4\1\t3	All	All	All
Operating System	Cisco	ios	15.4\1\t4	All	All	All
Operating System	Cisco	ios	15.4\2\t	All	All	All
Operating System	Cisco	ios	15.4\2\t1	All	All	All
Operating System	Cisco	ios	15.4\2\t2	All	All	All
Operating System	Cisco	ios	15.4\3\m	All	All	All
Operating System	Cisco	ios	15.4\3\m1	All	All	All
Operating System	Cisco	ios	15.4\3\m2	All	All	All
Operating System	Cisco	ios	15.4\3\m2.2	All	All	All
Operating System	Cisco	ios	15.4\3\m3	All	All	All
Operating System	Cisco	ios	15.4\3\m4	All	All	All
Operating System	Cisco	ios	15.4\3\m5	All	All	All
Operating System	Cisco	ios	15.4\3\m6	All	All	All
Operating System	Cisco	ios	15.4\3\m6a	All	All	All
Operating System	Cisco	ios	15.4\3\m7	All	All	All
Operating System	Cisco	ios Xe	3.14.0s	All	All	All
Operating System	Cisco	ios Xe	3.14.1s	All	All	All
Operating System	Cisco	ios Xe	3.14.2s	All	All	All
Operating System	Cisco	ios Xe	3.14.3s	All	All	All
Operating System	Cisco	ios Xe	3.14.4s	All	All	All
Operating System	Cisco	ios Xe	3.15.0s	All	All	All

Operating System	Cisco	ios Xe	3.15.1cs	All	All	All
Operating System	Cisco	ios Xe	3.15.1s	All	All	All
Operating System	Cisco	ios Xe	3.15.2s	All	All	All
Operating System	Cisco	ios Xe	3.15.3s	All	All	All
Operating System	Cisco	ios Xe	3.15.4s	All	All	All
Operating System	Cisco	ios Xe	3.16.0cs	All	All	All
Operating System	Cisco	ios Xe	3.16.0s	All	All	All
Operating System	Cisco	ios Xe	3.16.1as	All	All	All
Operating System	Cisco	ios Xe	3.16.1s	All	All	All
Operating System	Cisco	ios Xe	3.16.2as	All	All	All
Operating System	Cisco	ios Xe	3.16.2bs	All	All	All
Operating System	Cisco	ios Xe	3.16.2s	All	All	All
Operating System	Cisco	ios Xe	3.16.3as	All	All	All
Operating System	Cisco	ios Xe	3.16.3s	All	All	All
Operating System	Cisco	ios Xe	3.16.4as	All	All	All
Operating System	Cisco	ios Xe	3.16.4bs	All	All	All
Operating System	Cisco	ios Xe	3.16.4ds	All	All	All
Operating System	Cisco	ios Xe	3.16.4s	All	All	All
Operating System	Cisco	ios Xe	3.16.5s	All	All	All
Operating System	Cisco	ios Xe	3.16.6s	All	All	All
Operating System	Cisco	ios Xe	3.17.0s	All	All	All
Operating System	Cisco	ios Xe	3.17.1as	All	All	All
Operating System	Cisco	ios Xe	3.17.1s	All	All	All
Operating System	Cisco	ios Xe	3.17.3s	All	All	All
Operating System	Cisco	ios Xe	3.18.0as	All	All	All
Operating System	Cisco	ios Xe	3.18.0s	All	All	All
Operating System	Cisco	ios Xe	3.18.1s	All	All	All
Operating System	Cisco	ios Xe	3.18.2s	All	All	All
Operating System	Cisco	ios Xe	3.18.3s	All	All	All
Operating System	Cisco	ios Xe	3.18.3vs	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	Cisco IOS And Cisco IOS XE	affected Cisco IOS and Cisco IOS XE	Not specified

References

Reference	Source
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Reference	Source
Cisco IOS/IOS XE UDP Packet Processing Flaw Lets Remote Users Deny Service - SecurityTracker	af854a3a-2127-422b-91ae-364da266
Cisco IOS and Cisco IOS XE Software UDP Packet Processing Denial of Service Vulnerability	af854a3a-2127-422b-91ae-364da266
www.cisa.gov/known-exploited-vulnerabilities-catalog	134c704f-9b21-4f2e-91b3-4a467353b
Cisco IOS and Cisco IOS XE CVE-2017-6627 Denial of Service Vulnerability	af854a3a-2127-422b-91ae-364da266
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	2022-03-03T00:00:00.000Z	CVE-2017-6627 added to CISA KEV

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

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