CVE-2017-6663

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

Summary

CVE	CVE-2017-6663
State	PUBLISHED
Assigner	cisco
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-08-07 06:29:00 UTC
Updated	2026-04-22 15:45:53 UTC
Description	A vulnerability in the Autonomic Networking feature of Cisco IOS Software and Cisco IOS XE Software could allow an unau

Risk And Classification

Primary CVSS: v3.1 6.5 MEDIUM from nvd@nist.gov

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

EPSS: 0.025660000 probability, percentile 0.855820000 (date 2026-04-25)

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

Problem Types: NVD-CWE-noinfo | Denial of Service Vulnerability | CWE-noinfo Not enough information

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	6.5	MEDIUM	CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
3.1	ADP	DECLARED	6.5	MEDIUM	CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	6.5	MEDIUM	CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
2.0	nvd@nist.gov	Primary	6.1		AV:A/AC:L/Au:N/C:N/I:N/A:C

CVSS v3.1 Breakdown

Attack Vector

Adjacent

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

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

CVSS v2.0 Breakdown

Access Vector

Adjacent

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Complete

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

CISA Known Exploited Vulnerability

Vendor	Cisco
Product	IOS and IOS XE Software
Name	Cisco IOS Software and Cisco IOS XE Software Denial-of-Service Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2017-6663

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Cisco	Ios	15.2\(3a\)e	All	All	All
Operating System	Cisco	Ios	15.2\(3a\)e1	All	All	All
Operating System	Cisco	Ios	15.2\(3m\)e2	All	All	All
Operating System	Cisco	Ios	15.2\(3m\)e3	All	All	All
Operating System	Cisco	Ios	15.2\(3m\)e6	All	All	All

Operating System	Cisco	Ios	15.2\(3m\)e8	All	All	All
Operating System	Cisco	Ios	15.2\(3\)e	All	All	All
Operating System	Cisco	Ios	15.2\(3\)e1	All	All	All
Operating System	Cisco	Ios	15.2\(3\)e2	All	All	All
Operating System	Cisco	Ios	15.2\(3\)e3	All	All	All
Operating System	Cisco	Ios	15.2\(3\)e4	All	All	All
Operating System	Cisco	Ios	15.2\(3\)e5	All	All	All
Operating System	Cisco	Ios	15.2\(4\)e	All	All	All
Operating System	Cisco	Ios	15.2\(4\)e1	All	All	All
Operating System	Cisco	Ios	15.2\(4\)e2	All	All	All
Operating System	Cisco	Ios	15.2\(4\)e3	All	All	All
Operating System	Cisco	Ios	15.2\(5a\)e	All	All	All
Operating System	Cisco	Ios	15.2\(5b\)e	All	All	All
Operating System	Cisco	Ios	15.2\(5\)e	All	All	All
Operating System	Cisco	Ios	15.2\(5\)e1	All	All	All
Operating System	Cisco	Ios	15.3\(3\)s	All	All	All
Operating System	Cisco	Ios	15.3\(3\)s1	All	All	All
Operating System	Cisco	Ios	15.3\(3\)s10	All	All	All
Operating System	Cisco	Ios	15.3\(3\)s1a	All	All	All
Operating System	Cisco	Ios	15.3\(3\)s2	All	All	All
Operating System	Cisco	Ios	15.3\(3\)s3	All	All	All
Operating System	Cisco	Ios	15.3\(3\)s4	All	All	All
Operating System	Cisco	Ios	15.3\(3\)s5	All	All	All
Operating System	Cisco	Ios	15.3\(3\)s6	All	All	All
Operating System	Cisco	Ios	15.3\(3\)s7	All	All	All
Operating System	Cisco	Ios	15.3\(3\)s8	All	All	All
Operating System	Cisco	Ios	15.3\(3\)s8a	All	All	All
Operating System	Cisco	Ios	15.3\(3\)s9	All	All	All
Operating System	Cisco	Ios	15.4\(1\)s	All	All	All
Operating System	Cisco	Ios	15.4\(1\)s1	All	All	All
Operating System	Cisco	Ios	15.4\(1\)s2	All	All	All
Operating System	Cisco	Ios	15.4\(1\)s3	All	All	All
Operating System	Cisco	Ios	15.4\(1\)s4	All	All	All
Operating System	Cisco	Ios	15.4\(2\)s	All	All	All
Operating System	Cisco	Ios	15.4\(2\)s1	All	All	All
Operating System	Cisco	Ios	15.4\(2\)s2	All	All	All

Operating System	Cisco	Ios	15.4\(2\)s3	All	All	All
Operating System	Cisco	Ios	15.4\(2\)s4	All	All	All
Operating System	Cisco	Ios	15.4\(3\)s	All	All	All
Operating System	Cisco	Ios	15.4\(3\)s1	All	All	All
Operating System	Cisco	Ios	15.4\(3\)s2	All	All	All
Operating System	Cisco	Ios	15.4\(3\)s3	All	All	All
Operating System	Cisco	Ios	15.4\(3\)s4	All	All	All
Operating System	Cisco	Ios	15.4\(3\)s5	All	All	All
Operating System	Cisco	Ios	15.4\(3\)s5a	All	All	All
Operating System	Cisco	Ios	15.4\(3\)s6	All	All	All
Operating System	Cisco	Ios	15.4\(3\)s6a	All	All	All
Operating System	Cisco	Ios	15.4\(3\)s6b	All	All	All
Operating System	Cisco	Ios	15.4\(3\)s7	All	All	All
Operating System	Cisco	Ios	15.4\(3\)s7a	All	All	All
Operating System	Cisco	Ios	15.4\(3\)s8	All	All	All
Operating System	Cisco	Ios	15.5\(1\)s	All	All	All
Operating System	Cisco	Ios	15.5\(1\)s1	All	All	All
Operating System	Cisco	Ios	15.5\(1\)s2	All	All	All
Operating System	Cisco	Ios	15.5\(1\)s3	All	All	All
Operating System	Cisco	Ios	15.5\(1\)s4	All	All	All
Operating System	Cisco	Ios	15.5\(2\)s	All	All	All
Operating System	Cisco	Ios	15.5\(2\)s1	All	All	All
Operating System	Cisco	Ios	15.5\(2\)s2	All	All	All
Operating System	Cisco	Ios	15.5\(2\)s3	All	All	All
Operating System	Cisco	Ios	15.5\(2\)s4	All	All	All
Operating System	Cisco	Ios	15.5\(3\)s	All	All	All
Operating System	Cisco	Ios	15.5\(3\)s0a	All	All	All
Operating System	Cisco	Ios	15.5\(3\)s1	All	All	All
Operating System	Cisco	Ios	15.5\(3\)s1a	All	All	All
Operating System	Cisco	Ios	15.5\(3\)s2	All	All	All
Operating System	Cisco	Ios	15.5\(3\)s2a	All	All	All
Operating System	Cisco	Ios	15.5\(3\)s2b	All	All	All
Operating System	Cisco	Ios	15.5\(3\)s3	All	All	All
Operating System	Cisco	Ios	15.5\(3\)s3a	All	All	All
Operating System	Cisco	Ios	15.5\(3\)s4	All	All	All

Operating System	Cisco	Ios	15.5\(3\)s4a	All	All	All
Operating System	Cisco	Ios	15.5\(3\)s4b	All	All	All
Operating System	Cisco	Ios	15.5\(3\)s4d	All	All	All
Operating System	Cisco	Ios	15.5\(3\)s5	All	All	All
Operating System	Cisco	Ios	15.5\(3\)sn	All	All	All
Operating System	Cisco	Ios	15.6\(1\)s	All	All	All
Operating System	Cisco	Ios	15.6\(1\)s1	All	All	All
Operating System	Cisco	Ios	15.6\(1\)s1a	All	All	All
Operating System	Cisco	Ios	15.6\(1\)s2	All	All	All
Operating System	Cisco	Ios	15.6\(1\)s3	All	All	All
Operating System	Cisco	Ios	15.6\(1\)s4	All	All	All
Operating System	Cisco	Ios	15.6\(1\)t	All	All	All
Operating System	Cisco	Ios	15.6\(1\)t0a	All	All	All
Operating System	Cisco	Ios	15.6\(1\)t1	All	All	All
Operating System	Cisco	Ios	15.6\(1\)t2	All	All	All
Operating System	Cisco	Ios	15.6\(2\)s	All	All	All
Operating System	Cisco	Ios	15.6\(2\)s0a	All	All	All
Operating System	Cisco	Ios	15.6\(2\)s1	All	All	All
Operating System	Cisco	Ios	15.6\(2\)s2	All	All	All
Operating System	Cisco	Ios	15.6\(2\)s3	All	All	All
Operating System	Cisco	Ios	15.6\(2\)s4	All	All	All
Operating System	Cisco	Ios	15.6\(2\)sn	All	All	All
Operating System	Cisco	Ios	15.6\(2\)sp	All	All	All
Operating System	Cisco	Ios	15.6\(2\)sp1	All	All	All
Operating System	Cisco	Ios	15.6\(2\)sp1b	All	All	All
Operating System	Cisco	Ios	15.6\(2\)sp1c	All	All	All
Operating System	Cisco	Ios	15.6\(2\)sp2	All	All	All
Operating System	Cisco	Ios	15.6\(2\)sp2a	All	All	All
Operating System	Cisco	Ios	15.6\(2\)sp3	All	All	All
Operating System	Cisco	Ios	15.6\(2\)t	All	All	All
Operating System	Cisco	Ios	15.6\(2\)t1	All	All	All
Operating System	Cisco	Ios	15.6\(2\)t2	All	All	All
Operating System	Cisco	Ios	15.6\(2\)t3	All	All	All
Operating System	Cisco	Ios	15.6\(3\)m	All	All	All
Operating System	Cisco	Ios	15.6\(3\)m0a	All	All	All

Operating System	Cisco	Ios	15.6\(3\)m1	All	All	All
Operating System	Cisco	Ios	15.6\(3\)m1b	All	All	All
Operating System	Cisco	Ios	15.6\(3\)m2	All	All	All
Operating System	Cisco	Ios	15.6\(3\)m2a	All	All	All
Operating System	Cisco	Ios	15.6\(3\)m3	All	All	All
Operating System	Cisco	Ios	15.7\(3\)m	All	All	All
Operating System	Cisco	Ios Xe	16.6.1	All	All	All
Operating System	Cisco	Ios Xe	3.10.4s	All	All	All
Operating System	Cisco	Ios Xe	3.10.8as	All	All	All
Operating System	Cisco	Ios Xe	3.10.8s	All	All	All
Operating System	Cisco	Ios Xe	3.11.3s	All	All	All
Operating System	Cisco	Ios Xe	3.11.4s	All	All	All
Operating System	Cisco	Ios Xe	3.12.0as	All	All	All
Operating System	Cisco	Ios Xe	3.12.0s	All	All	All
Operating System	Cisco	Ios Xe	3.12.1s	All	All	All
Operating System	Cisco	Ios Xe	3.12.2s	All	All	All
Operating System	Cisco	Ios Xe	3.12.3s	All	All	All
Operating System	Cisco	Ios Xe	3.12.4s	All	All	All
Operating System	Cisco	Ios Xe	3.13.0s	All	All	All
Operating System	Cisco	Ios Xe	3.13.1s	All	All	All
Operating System	Cisco	Ios Xe	3.13.2as	All	All	All
Operating System	Cisco	Ios Xe	3.13.2s	All	All	All
Operating System	Cisco	Ios Xe	3.13.4s	All	All	All
Operating System	Cisco	Ios Xe	3.13.5as	All	All	All
Operating System	Cisco	Ios Xe	3.13.5s	All	All	All
Operating System	Cisco	Ios Xe	3.13.6as	All	All	All
Operating System	Cisco	Ios Xe	3.13.6s	All	All	All
Operating System	Cisco	Ios Xe	3.13.7as	All	All	All
Operating System	Cisco	Ios Xe	3.13.8s	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	3.15.1s	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	3.16.0s	All	All	All
Operating System	Cisco	Ios Xe	3.16.1as	All	All	All
Operating System	Cisco	Ios Xe	3.16.2as	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	3.16.4ds	All	All	All
Operating System	Cisco	Ios Xe	3.16.4s	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	3.17.4s	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	3.18.0sp	All	All	All
Operating System	Cisco	Ios Xe	3.18.1bsp	All	All	All
Operating System	Cisco	Ios Xe	3.18.1s	All	All	All
Operating System	Cisco	Ios Xe	3.18.1sp	All	All	All
Operating System	Cisco	Ios Xe	3.18.2asp	All	All	All
Operating System	Cisco	Ios Xe	3.18.2s	All	All	All
Operating System	Cisco	Ios Xe	3.18.2sp	All	All	All
Operating System	Cisco	Ios Xe	3.18.3s	All	All	All
Operating System	Cisco	Ios Xe	3.18.3sp	All	All	All
Operating System	Cisco	Ios Xe	3.7.0e	All	All	All
Operating System	Cisco	Ios Xe	3.7.1e	All	All	All
Operating System	Cisco	Ios Xe	3.7.3e	All	All	All
Operating System	Cisco	Ios Xe	3.8.0e	All	All	All
Operating System	Cisco	Ios Xe	3.8.0ex	All	All	All
Operating System	Cisco	Ios Xe	3.8.1e	All	All	All

Operating System	Cisco	Ios Xe	3.8.2e	All	All	All
Operating System	Cisco	Ios Xe	3.8.3e	All	All	All
Operating System	Cisco	Ios Xe	3.9.0e	All	All	All
Operating System	Cisco	Ios Xe	3.9.1e	All	All	All

Vendor Declared Affected Products

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

References

Reference	Source
www.cisa.gov/known-exploited-vulnerabilities-catalog	134c704f-9b21-4f2
Cisco IOS and IOS XE Software Autonomic Networking Infrastructure Denial of Service Vulnerability	af854a3a-2127-42
Cisco IOS/IOS XE Autonomic Networking Bug Lets Remote Users Cause the Target System to Reload - SecurityTracker	af854a3a-2127-42
Cisco IOS and IOS XE Software CVE-2017-6663 Denial of Service Vulnerability	af854a3a-2127-42
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-2017-6663 added to CISA KEV

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