



CVE-2017-3864

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

Summary

CVE	CVE-2017-3864
State	PUBLISHED
Assigner	cisco
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-03-22 19:59:00 UTC
Updated	2025-04-20 01:37:25 UTC
Description	A vulnerability in the DHCP client implementation of Cisco IOS (12.2, 12.4, and 15.0 through 15.6) and Cisco IOS XE (3.3 t

Risk And Classification

Primary CVSS: v3.1 8.6 HIGH from nvd@nist.gov

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

Problem Types: CWE-399 | NVD-CWE-noinfo | CWE-399 CWE-399 Denial of Service Vulnerability

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	8.6	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:C/C:N/I:N/A:H
2.0	nvd@nist.gov	Primary	7.8		AV:N/AC:L/Au:N/C:N/I:N/A:C

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Changed

Confidentiality

None

Integrity

None

Availability

High

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



CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Complete

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



NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Cisco	ios	12.2	All	All	All
Operating System	Cisco	ios	12.4	All	All	All
Operating System	Cisco	ios	All	All	All	All
Operating System	Cisco	ios Xe	All	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
Cisco IOS and IOS XE Software CVE-2017-3864 Denial of Service Vulnerability	af854a3a-212
Cisco IOS/IOS XE DHCP Packet Processing Flaw Lets Remote Users Cause the Target System to Reload - SecurityTracker	af854a3a-212
Cisco IOS and IOS XE Software DHCP Client Denial of Service Vulnerability	af854a3a-212
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD



No vendor comments have been submitted for this CVE.

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

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

Free CVE JSON API [cve.report/api](#)

CVE.report and Source URL Uptime Status [status.cve.report](#)