



CVE-2017-12234

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

Summary

CVE	CVE-2017-12234
State	PUBLISHED
Assigner	cisco
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-09-29 01:34:48 UTC
Updated	2026-04-21 18:08:25 UTC
Description	Multiple vulnerabilities in the implementation of the Common Industrial Protocol (CIP) feature in Cisco IOS 12.4 through 15.

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: 0.065450000 probability, percentile 0.911600000 (date 2026-04-21)

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

Problem Types: CWE-20 | NVD-CWE-noinfo | CWE-20 CWE-20

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	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

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

Complete

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

CISA Known Exploited Vulnerability

Vendor	Cisco
Product	IOS software
Name	Cisco IOS Software Common Industrial Protocol Request Denial-of-Service Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2017-12234

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Cisco	1000 Integrated Services Router	-	All	All	All
Hardware	Cisco	1100-4gltegb Integrated Services Router	-	All	All	All
Hardware	Cisco	1100-4gltena Integrated Services Router	-	All	All	All
Hardware	Cisco	1100-4g/6g Integrated Services Router	-	All	All	All
Hardware	Cisco	1100-4g Integrated Services Router	-	All	All	All
Hardware	Cisco	1100-4p	-	All	All	All

Hardware	Cisco	1100-4p Integrated Services Router	-	All	All	All
Hardware	Cisco	1100-6g Integrated Services Router	-	All	All	All
Hardware	Cisco	1100-8p	-	All	All	All
Hardware	Cisco	1100-8p Integrated Services Router	-	All	All	All
Hardware	Cisco	1100-lte Integrated Services Router	-	All	All	All
Hardware	Cisco	1100 Integrated Services Router	-	All	All	All
Hardware	Cisco	1100 Terminal Services Gateways	-	All	All	All
Hardware	Cisco	1101-4p	-	All	All	All
Hardware	Cisco	1101-4p Integrated Services Router	-	All	All	All
Hardware	Cisco	1101 Integrated Services Router	-	All	All	All
Hardware	Cisco	1109-2p	-	All	All	All
Hardware	Cisco	1109-4p	-	All	All	All
Hardware	Cisco	1111-4pwe	-	All	All	All
Hardware	Cisco	1111-8pwb	-	All	All	All
Hardware	Cisco	1111x-8p	-	All	All	All
Hardware	Cisco	1113-8plteeawe	-	All	All	All
Hardware	Cisco	1113-8pmwe	-	All	All	All
Hardware	Cisco	1113-8pwe	-	All	All	All
Hardware	Cisco	1116-4plteeawe	-	All	All	All
Hardware	Cisco	1116-4pwe	-	All	All	All
Hardware	Cisco	1117-4plteeawe	-	All	All	All
Hardware	Cisco	1117-4pmlteeawe	-	All	All	All
Hardware	Cisco	1117-4pmwe	-	All	All	All
Hardware	Cisco	1117-4pwe	-	All	All	All
Hardware	Cisco	1120	-	All	All	All
Hardware	Cisco	1120 Connected Grid Router	-	All	All	All
Hardware	Cisco	1120 Integrated Services Router	-	All	All	All
Hardware	Cisco	1131 Integrated Services Router	-	All	All	All
Hardware	Cisco	1160 Integrated Services Router	-	All	All	All
Hardware	Cisco	1801 Integrated Service Router	-	All	All	All
Hardware	Cisco	1802 Integrated Service Router	-	All	All	All
Hardware	Cisco	1803 Integrated Service Router	-	All	All	All
Hardware	Cisco	1811 Integrated Service Router	-	All	All	All
Hardware	Cisco	1812 Integrated Service Router	-	All	All	All
Hardware	Cisco	1841 Integrated Service Router	-	All	All	All

Hardware	Cisco	1861 Integrated Service Router	-	All	All	All
Hardware	Cisco	1905 Integrated Services Router	-	All	All	All
Hardware	Cisco	1906c Integrated Services Router	-	All	All	All
Hardware	Cisco	1921 Integrated Services Router	-	All	All	All
Hardware	Cisco	1941w Integrated Services Router	-	All	All	All
Hardware	Cisco	1941 Integrated Services Router	-	All	All	All
Hardware	Cisco	Catalyst Ie3200 Rugged Switch	-	All	All	All
Hardware	Cisco	Catalyst Ie3300 Rugged Switch	-	All	All	All
Hardware	Cisco	Catalyst Ie3400 Heavy Duty Switch	-	All	All	All
Hardware	Cisco	Catalyst Ie3400 Rugged Switch	-	All	All	All
Hardware	Cisco	Catalyst Ie9300	-	All	All	All
Hardware	Cisco	Esr-6300-con-k9	-	All	All	All
Hardware	Cisco	Esr-6300-ncp-k9	-	All	All	All
Operating System	Cisco	Ios	All	All	All	All

Vendor Declared Affected Products

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

References

Reference	Source
www.cisa.gov/known-exploited-vulnerabilities-catalog	134c
Malformed Request	af85c
Cisco IOS Common Industrial Protocol Implementation Bugs Let Remote Users Cause the Target System to Reload - SecurityTracker	af85c
Cisco IOS Software Common Industrial Protocol Request Denial of Service Vulnerabilities	af85c
CVE Program record	CVE
NVD vulnerability detail	NVD
CISA Known Exploited Vulnerabilities catalog	CISA

No vendor comments have been submitted for this CVE.

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

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