



CVE-2010-0576

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

Summary

CVE	CVE-2010-0576
State	PUBLISHED
Assigner	cisco
Source Priority	CVE Program / NVD first with legacy fallback
Published	2010-03-25 21:00:00 UTC
Updated	2026-04-29 01:13:23 UTC
Description	Unspecified vulnerability in Cisco IOS 12.0 through 12.4, IOS XE 2.1.x through 2.3.x before 2.3.2, and IOS XR 3.2.x through 3.2.1 could allow an attacker to execute arbitrary code with root privileges on the device. The vulnerability is due to a buffer overflow in the Cisco IOS XE 2.1.x through 2.3.x before 2.3.2 and IOS XR 3.2.x through 3.2.1. An attacker can exploit this vulnerability by sending a specially crafted packet to the device. The attacker can cause a denial of service (DoS) or execute arbitrary code with root privileges on the device. Cisco has released a software update to address this vulnerability. Users are advised to upgrade to the latest version of the software as soon as possible.

Risk And Classification

Primary CVSS: v2.0 7.8 from nvd@nist.gov

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

Problem Types: NVD-CWE-noinfo | n/a

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	12.0s	All	All	All

Operating System	Cisco	ios	12.0sl	All	All	All
Operating System	Cisco	ios	12.0sx	All	All	All
Operating System	Cisco	ios	12.0sy	All	All	All
Operating System	Cisco	ios	12.0sz	All	All	All
Operating System	Cisco	ios	12.1ax	All	All	All
Operating System	Cisco	ios	12.1e	All	All	All
Operating System	Cisco	ios	12.1ea	All	All	All
Operating System	Cisco	ios	12.1eb	All	All	All
Operating System	Cisco	ios	12.1ec	All	All	All
Operating System	Cisco	ios	12.1eo	All	All	All
Operating System	Cisco	ios	12.1ex	All	All	All
Operating System	Cisco	ios	12.1ey	All	All	All
Operating System	Cisco	ios	12.1xv	All	All	All
Operating System	Cisco	ios	12.1yb	All	All	All
Operating System	Cisco	ios	12.1yd	All	All	All
Operating System	Cisco	ios	12.1ye	All	All	All
Operating System	Cisco	ios	12.2b	All	All	All
Operating System	Cisco	ios	12.2bc	All	All	All
Operating System	Cisco	ios	12.2bw	All	All	All
Operating System	Cisco	ios	12.2bx	All	All	All
Operating System	Cisco	ios	12.2by	All	All	All
Operating System	Cisco	ios	12.2bz	All	All	All
Operating System	Cisco	ios	12.2cx	All	All	All
Operating System	Cisco	ios	12.2cy	All	All	All
Operating System	Cisco	ios	12.2dd	All	All	All
Operating System	Cisco	ios	12.2dx	All	All	All
Operating System	Cisco	ios	12.2ex	All	All	All
Operating System	Cisco	ios	12.2ey	All	All	All
Operating System	Cisco	ios	12.2ira	All	All	All
Operating System	Cisco	ios	12.2irb	All	All	All
Operating System	Cisco	ios	12.2irc	All	All	All
Operating System	Cisco	ios	12.2ird	All	All	All
Operating System	Cisco	ios	12.2ixa	All	All	All
Operating System	Cisco	ios	12.2ixb	All	All	All
Operating System	Cisco	ios	12.2ixc	All	All	All
Operating System	Cisco	ios	12.2ixd	All	All	All

Operating System	Cisco	los	12.2ixe	All	All	All
Operating System	Cisco	los	12.2ixf	All	All	All
Operating System	Cisco	los	12.2ixg	All	All	All
Operating System	Cisco	los	12.2ixh	All	All	All
Operating System	Cisco	los	12.2mc	All	All	All
Operating System	Cisco	los	12.2s	All	All	All
Operating System	Cisco	los	12.2sb	All	All	All
Operating System	Cisco	los	12.2sbc	All	All	All
Operating System	Cisco	los	12.2sca	All	All	All
Operating System	Cisco	los	12.2scb	All	All	All
Operating System	Cisco	los	12.2scc	All	All	All
Operating System	Cisco	los	12.2se	All	All	All
Operating System	Cisco	los	12.2sed	All	All	All
Operating System	Cisco	los	12.2see	All	All	All
Operating System	Cisco	los	12.2seg	All	All	All
Operating System	Cisco	los	12.2sg	All	All	All
Operating System	Cisco	los	12.2so	All	All	All
Operating System	Cisco	los	12.2sra	All	All	All
Operating System	Cisco	los	12.2srb	All	All	All
Operating System	Cisco	los	12.2src	All	All	All
Operating System	Cisco	los	12.2srd	All	All	All
Operating System	Cisco	los	12.2su	All	All	All
Operating System	Cisco	los	12.2sv	All	All	All
Operating System	Cisco	los	12.2sva	All	All	All
Operating System	Cisco	los	12.2svc	All	All	All
Operating System	Cisco	los	12.2svd	All	All	All
Operating System	Cisco	los	12.2sve	All	All	All
Operating System	Cisco	los	12.2sw	All	All	All
Operating System	Cisco	los	12.2sx	All	All	All
Operating System	Cisco	los	12.2sxa	All	All	All
Operating System	Cisco	los	12.2sxb	All	All	All
Operating System	Cisco	los	12.2sxd	All	All	All
Operating System	Cisco	los	12.2sxe	All	All	All
Operating System	Cisco	los	12.2sxf	All	All	All
Operating System	Cisco	los	12.2sxh	All	All	All

Operating System	Cisco	ios	12.2sxi	All	All	All
Operating System	Cisco	ios	12.2sy	All	All	All
Operating System	Cisco	ios	12.2sz	All	All	All
Operating System	Cisco	ios	12.2t	All	All	All
Operating System	Cisco	ios	12.2tpc	All	All	All
Operating System	Cisco	ios	12.2xa	All	All	All
Operating System	Cisco	ios	12.2xb	All	All	All
Operating System	Cisco	ios	12.2xf	All	All	All
Operating System	Cisco	ios	12.2xg	All	All	All
Operating System	Cisco	ios	12.2xk	All	All	All
Operating System	Cisco	ios	12.2xl	All	All	All
Operating System	Cisco	ios	12.2xn	All	All	All
Operating System	Cisco	ios	12.2xt	All	All	All
Operating System	Cisco	ios	12.2xu	All	All	All
Operating System	Cisco	ios	12.2xv	All	All	All
Operating System	Cisco	ios	12.2yd	All	All	All
Operating System	Cisco	ios	12.2yj	All	All	All
Operating System	Cisco	ios	12.2yn	All	All	All
Operating System	Cisco	ios	12.2yp	All	All	All
Operating System	Cisco	ios	12.2yt	All	All	All
Operating System	Cisco	ios	12.2yx	All	All	All
Operating System	Cisco	ios	12.2yy	All	All	All
Operating System	Cisco	ios	12.2yz	All	All	All
Operating System	Cisco	ios	12.2za	All	All	All
Operating System	Cisco	ios	12.2zd	All	All	All
Operating System	Cisco	ios	12.2ze	All	All	All
Operating System	Cisco	ios	12.2zj	All	All	All
Operating System	Cisco	ios	12.2zu	All	All	All
Operating System	Cisco	ios	12.2zx	All	All	All
Operating System	Cisco	ios	12.2zy	All	All	All
Operating System	Cisco	ios	12.2zya	All	All	All
Operating System	Cisco	ios	12.3	All	All	All
Operating System	Cisco	ios	12.3b	All	All	All
Operating System	Cisco	ios	12.3bc	All	All	All
Operating System	Cisco	ios	12.3bw	All	All	All
Operating System	Cisco	ios	12.3c	All	All	All

Operating System	Cisco	ios	12.3t	All	All	All
Operating System	Cisco	ios	12.3xc	All	All	All
Operating System	Cisco	ios	12.3xd	All	All	All
Operating System	Cisco	ios	12.3xe	All	All	All
Operating System	Cisco	ios	12.3xf	All	All	All
Operating System	Cisco	ios	12.3xi	All	All	All
Operating System	Cisco	ios	12.3xj	All	All	All
Operating System	Cisco	ios	12.3xl	All	All	All
Operating System	Cisco	ios	12.3xr	All	All	All
Operating System	Cisco	ios	12.3xw	All	All	All
Operating System	Cisco	ios	12.3xx	All	All	All
Operating System	Cisco	ios	12.3xz	All	All	All
Operating System	Cisco	ios	12.3yf	All	All	All
Operating System	Cisco	ios	12.3yg	All	All	All
Operating System	Cisco	ios	12.3yh	All	All	All
Operating System	Cisco	ios	12.3yi	All	All	All
Operating System	Cisco	ios	12.3yk	All	All	All
Operating System	Cisco	ios	12.3ys	All	All	All
Operating System	Cisco	ios	12.3yt	All	All	All
Operating System	Cisco	ios	12.3yu	All	All	All
Operating System	Cisco	ios	12.3yx	All	All	All
Operating System	Cisco	ios	12.3yz	All	All	All
Operating System	Cisco	ios	12.3za	All	All	All
Operating System	Cisco	ios	12.4	All	All	All
Operating System	Cisco	ios	12.4gc	All	All	All
Operating System	Cisco	ios	12.4ja	All	All	All
Operating System	Cisco	ios	12.4jda	All	All	All
Operating System	Cisco	ios	12.4jdc	All	All	All
Operating System	Cisco	ios	12.4jk	All	All	All
Operating System	Cisco	ios	12.4jl	All	All	All
Operating System	Cisco	ios	12.4jma	All	All	All
Operating System	Cisco	ios	12.4jmb	All	All	All
Operating System	Cisco	ios	12.4jx	All	All	All
Operating System	Cisco	ios	12.4mr	All	All	All
Operating System	Cisco	ios	12.4sw	All	All	All
Operating System	Cisco	ios	12.4t	All	All	All

Operating System	Cisco	ios	12.4xa	All	All	All
Operating System	Cisco	ios	12.4xb	All	All	All
Operating System	Cisco	ios	12.4xc	All	All	All
Operating System	Cisco	ios	12.4xd	All	All	All
Operating System	Cisco	ios	12.4xe	All	All	All
Operating System	Cisco	ios	12.4xf	All	All	All
Operating System	Cisco	ios	12.4xg	All	All	All
Operating System	Cisco	ios	12.4xj	All	All	All
Operating System	Cisco	ios	12.4xk	All	All	All
Operating System	Cisco	ios	12.4xl	All	All	All
Operating System	Cisco	ios	12.4xm	All	All	All
Operating System	Cisco	ios	12.4xn	All	All	All
Operating System	Cisco	ios	12.4xp	All	All	All
Operating System	Cisco	ios	12.4xq	All	All	All
Operating System	Cisco	ios	12.4xr	All	All	All
Operating System	Cisco	ios	12.4xt	All	All	All
Operating System	Cisco	ios	12.4xv	All	All	All
Operating System	Cisco	ios	12.4xw	All	All	All
Operating System	Cisco	ios	12.4xy	All	All	All
Operating System	Cisco	ios	12.4xz	All	All	All
Operating System	Cisco	ios	12.4ya	All	All	All
Operating System	Cisco	ios	12.4yb	All	All	All
Operating System	Cisco	ios	12.4yd	All	All	All
Operating System	Cisco	ios	12.4ye	All	All	All
Operating System	Cisco	ios	12.4yg	All	All	All
Operating System	Cisco	ios Xe	2.1	All	All	All
Operating System	Cisco	ios Xe	2.2	All	All	All
Operating System	Cisco	ios Xe	2.3	All	All	All
Operating System	Cisco	ios Xr	3.2	All	All	All
Operating System	Cisco	ios Xr	3.2.1	All	All	All
Operating System	Cisco	ios Xr	3.2.2	All	All	All
Operating System	Cisco	ios Xr	3.2.4	All	All	All
Operating System	Cisco	ios Xr	3.2.50	All	All	All
Operating System	Cisco	ios Xr	3.3.0	All	All	All
Operating System	Cisco	ios Xr	3.3.1	All	All	All

Operating System	Cisco	ios Xr	3.3.2	All	All	All
Operating System	Cisco	ios Xr	3.3.3	All	All	All
Operating System	Cisco	ios Xr	3.3.4	All	All	All
Operating System	Cisco	ios Xr	3.3.5	All	All	All
Operating System	Cisco	ios Xr	3.4.0	All	All	All
Operating System	Cisco	ios Xr	3.4.1	All	All	All
Operating System	Cisco	ios Xr	3.4.2	All	All	All
Operating System	Cisco	ios Xr	3.4.3	All	All	All

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

References	
Reference	Source
osvdb.org/63188	af85
Cisco IOS Label Distribution Protocol Denial of Service - Advisories - Community	af85
Cisco IOS MPLS LDP Processing Flaw Lets Remote Users Deny Service - SecurityTracker	af85
Webmail : Solution de messagerie professionnelle - OVHcloud- OVH	af85
Cisco IOS Multiprotocol Label Switching (MPLS) Malformed Packet Denial of Service Vulnerability	af85
IBM X-Force Exchange	af85
Cisco Security Advisory: Cisco IOS Software Multiprotocol Label Switching Packet Vulnerability [Products & Services] - Cisco Systems	af85
CVE Program record	CVE
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

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