



CVE-2016-6438

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

Summary

CVE	CVE-2016-6438
State	PUBLISHED
Assigner	cisco
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-10-27 21:59:09 UTC
Updated	2026-05-06 22:30:45 UTC
Description	A vulnerability in Cisco IOS XE Software running on Cisco cBR-8 Converged Broadband Routers could allow an unauthenticated attacker to execute arbitrary code on the router.

Risk And Classification

Primary CVSS: v3.0 5.9 MEDIUM from nvd@nist.gov

CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:H/A:N

EPSS: 0.003740000 probability, percentile 0.591220000 (date 2026-05-09)

Problem Types: CWE-264 | unspecified

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	5.9	MEDIUM	CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:H/A:N
2.0	nvd@nist.gov	Primary	4.3		AV:N/AC:M/Au:N/C:N/I:P/A:N

CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

High

High

Availability

None

CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:H/A:N

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Medium

Authentication

None

Confidentiality

None

Integrity

Partial

Availability

None

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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	3.16.4s	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	3.17.2s	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	3.18.1s	All	All	All
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Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Na	Cisco IOS XE 3.16S 3.17S 3.18.0S 3.18.1S 3.18.0SP	affected Cisco IOS XE 3.16S, 3.17S, 3.18.0S, 3.18.1S, 3.18.0SP

References

Reference	Source
Cisco IOS XE Software CVE-2016-6438 Remote Security Bypass Vulnerability	af854a3a-21
Cisco IOS XE on cBR-8 Converged Broadband Routers Lets Remote Users Affect vty Configuration Integrity - SecurityTracker	af854a3a-21
Cisco cBR-8 Converged Broadband Router vty Integrity Vulnerability	af854a3a-21
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.