

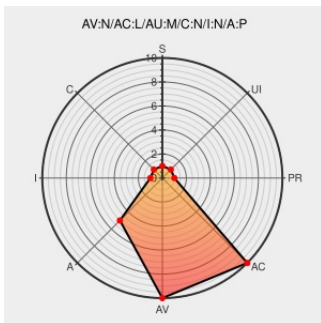


CVE-2009-2056

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CVE-2009-2056

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

Certain versions of **ios Xr** from **Cisco** contain the following vulnerability:

Cisco IOS XR 3.8.1 and earlier allows remote authenticated users to cause a denial of service (process crash) via vectors involving a BGP UPDATE message with many AS numbers prepended to the AS path.

CVE-2009-2056 has been assigned by [psirt@cisco.com](#) to track the vulnerability

CVSS2 Score: **3.3 - LOW**

Access
Vector

NETWORK

Access
Complexity

LOW

Authentication

MULTIPLE

Confidentiality
Impact

NONE

Integrity
Impact

NONE

Availability
Impact

PARTIAL

CVE References

Description

Cisco Security Advisory: Cisco IOS XR Software Border Gateway Protocol Vulnerabilities - Cisco Systems

Tags

[Patch](#)
[Vendor Advisory](#)
[www.cisco.com](#)
[text/html](#)

Link

[CISCO 20090818 Cisco IOS XR Software Border Gateway Protocol Vulnerability](#)

SecurityTracker.com Archives - Cisco IOS XR BGP Update Processing Flaws Let Remote BGP Peers Deny Service

[securitytracker.com](#)
[text/html](#)

[SECTrack 1022756](#)

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)						
Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Cisco	ios Xr	3.0	All	All	All
Operating System	Cisco	ios Xr	3.0.1	All	All	All
Operating System	Cisco	ios Xr	3.1	All	All	All
Operating System	Cisco	ios Xr	3.1.0	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	3.2.3	All	crs-1	All
Operating System	Cisco	ios Xr	3.2.3	All	prp	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	All	All	All
Operating System	Cisco	ios Xr	3.4	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
Operating System	Cisco	ios Xr	3.5	All	All	All
Operating System	Cisco	ios Xr	3.5.2	All	All	All
Operating System	Cisco	ios Xr	3.5.3	All	All	All
Operating System	Cisco	ios Xr	3.5.4	All	All	All

Operating System	Cisco	ios Xr	3.6	All	All	All
Operating System	Cisco	ios Xr	3.6.0	All	All	All
Operating System	Cisco	ios Xr	3.6.1	All	All	All
Operating System	Cisco	ios Xr	3.6.2	All	All	All
Operating System	Cisco	ios Xr	3.6.3	All	All	All
Operating System	Cisco	ios Xr	3.7	All	All	All
Operating System	Cisco	ios Xr	3.7.0	All	All	All
Operating System	Cisco	ios Xr	3.7.1	All	All	All
Operating System	Cisco	ios Xr	3.7.2	All	All	All
Operating System	Cisco	ios Xr	3.7.3	All	All	All
Operating System	Cisco	ios Xr	3.8.0	All	All	All
Operating System	Cisco	ios Xr	3.0	All	All	All
Operating System	Cisco	ios Xr	3.0.1	All	All	All
Operating System	Cisco	ios Xr	3.1	All	All	All
Operating System	Cisco	ios Xr	3.1.0	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	3.2.3	All	crs-1	All
Operating System	Cisco	ios Xr	3.2.3	All	prp	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	All	All	All

Operating System	Cisco	ios Xr	3.4	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
Operating System	Cisco	ios Xr	3.5	All	All	All
Operating System	Cisco	ios Xr	3.5.2	All	All	All
Operating System	Cisco	ios Xr	3.5.3	All	All	All
Operating System	Cisco	ios Xr	3.5.4	All	All	All
Operating System	Cisco	ios Xr	3.6	All	All	All
Operating System	Cisco	ios Xr	3.6.0	All	All	All
Operating System	Cisco	ios Xr	3.6.1	All	All	All
Operating System	Cisco	ios Xr	3.6.2	All	All	All
Operating System	Cisco	ios Xr	3.6.3	All	All	All
Operating System	Cisco	ios Xr	3.7	All	All	All
Operating System	Cisco	ios Xr	3.7.0	All	All	All
Operating System	Cisco	ios Xr	3.7.1	All	All	All
Operating System	Cisco	ios Xr	3.7.2	All	All	All
Operating System	Cisco	ios Xr	3.7.3	All	All	All
Operating System	Cisco	ios Xr	3.8.0	All	All	All
Operating System	Cisco	ios Xr	All	All	All	All
cpe:2.3:o:cisco:ios_xr:3.0:*:*:*:*:*:						
cpe:2.3:o:cisco:ios_xr:3.0.1:*:*:*:*:*:						

cpe:2.3:o:cisco:ios_xr:3.1:*****:
cpe:2.3:o:cisco:ios_xr:3.1.0:*****:
cpe:2.3:o:cisco:ios_xr:3.2:*****:
cpe:2.3:o:cisco:ios_xr:3.2.1:*****:
cpe:2.3:o:cisco:ios_xr:3.2.2:*****:
cpe:2.3:o:cisco:ios_xr:3.2.3:*:crs-1:*****:
cpe:2.3:o:cisco:ios_xr:3.2.3:*:prp:*****:
cpe:2.3:o:cisco:ios_xr:3.2.4:*****:
cpe:2.3:o:cisco:ios_xr:3.2.50:*****:
cpe:2.3:o:cisco:ios_xr:3.3:*****:
cpe:2.3:o:cisco:ios_xr:3.4:*****:
cpe:2.3:o:cisco:ios_xr:3.4.0:*****:
cpe:2.3:o:cisco:ios_xr:3.4.1:*****:
cpe:2.3:o:cisco:ios_xr:3.4.2:*****:
cpe:2.3:o:cisco:ios_xr:3.4.3:*****:
cpe:2.3:o:cisco:ios_xr:3.5:*****:
cpe:2.3:o:cisco:ios_xr:3.5.2:*****:
cpe:2.3:o:cisco:ios_xr:3.5.3:*****:
cpe:2.3:o:cisco:ios_xr:3.5.4:*****:
cpe:2.3:o:cisco:ios_xr:3.6:*****:
cpe:2.3:o:cisco:ios_xr:3.6.0:*****:
cpe:2.3:o:cisco:ios_xr:3.6.1:*****:
cpe:2.3:o:cisco:ios_xr:3.6.2:*****:
cpe:2.3:o:cisco:ios_xr:3.6.3:*****:
cpe:2.3:o:cisco:ios_xr:3.7:*****:
cpe:2.3:o:cisco:ios_xr:3.7.0:*****:
cpe:2.3:o:cisco:ios_xr:3.7.1:*****:
cpe:2.3:o:cisco:ios_xr:3.7.2:*****:
cpe:2.3:o:cisco:ios_xr:3.7.3:*****:

cpe:2.3:o:cisco:ios_xr:3.8.0:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.0:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.0.1:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.1:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.1.0:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.2:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.2.1:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.2.2:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.2.3:*:crs-1:~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.2.3:*:prp:~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.2.4:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.2.50:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.3:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.4:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.4.0:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.4.1:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.4.2:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.4.3:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.5:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.5.2:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.5.3:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.5.4:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.6:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.6.0:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.6.1:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.6.2:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.6.3:~::~~::~~::~~::~~::~~:::
cpe:2.3:o:cisco:ios_xr:3.7:~::~~::~~::~~::~~::~~:::

cpe:2.3:o:cisco:ios_xr:3.7.0:*****:
cpe:2.3:o:cisco:ios_xr:3.7.1:*****:
cpe:2.3:o:cisco:ios_xr:3.7.2:*****:
cpe:2.3:o:cisco:ios_xr:3.7.3:*****:
cpe:2.3:o:cisco:ios_xr:3.8.0:*****:
cpe:2.3:o:cisco:ios_xr:*****:

No vendor comments have been submitted for this CVE

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