



# CVE-2023-20187

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2023-20187
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@cisco.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-09-27 18:15:00 UTC
<b>Updated</b>	2024-01-25 17:15:00 UTC
<b>Description</b>	A vulnerability in the Multicast Leaf Recycle Elimination (mLRE) feature of Cisco IOS XE Software for Cisco ASR 1000 Seri

## Risk And Classification

**Problem Types:** NVD-CWE-noinfo

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Cisco	Asr1000-esp100	-	All	All	All
Hardware	Cisco	Asr1000-esp200	-	All	All	All
Hardware	Cisco	Asr1000-esp40	-	All	All	All
Hardware	Cisco	Asr1001-hx	-	All	All	All
Hardware	Cisco	Asr1001-x	-	All	All	All
Hardware	Cisco	Asr1002-hx	-	All	All	All
Hardware	Cisco	Asr1002-x	-	All	All	All
Operating System	Cisco	ios Xe	16.10.1	All	All	All
Operating System	Cisco	ios Xe	16.10.1a	All	All	All
Operating System	Cisco	ios Xe	16.10.1e	All	All	All
Operating System	Cisco	ios Xe	16.10.1s	All	All	All
Operating System	Cisco	ios Xe	16.10.2	All	All	All
Operating System	Cisco	ios Xe	16.10.3	All	All	All
Operating System	Cisco	ios Xe	16.11.1	All	All	All
Operating System	Cisco	ios Xe	16.11.1a	All	All	All
Operating System	Cisco	ios Xe	16.11.1s	All	All	All
Operating System	Cisco	ios Xe	16.11.2	All	All	All

Operating System	Cisco	los Xe	16.12.1	All	All	All
Operating System	Cisco	los Xe	16.12.1a	All	All	All
Operating System	Cisco	los Xe	16.12.1c	All	All	All
Operating System	Cisco	los Xe	16.12.1s	All	All	All
Operating System	Cisco	los Xe	16.12.2	All	All	All
Operating System	Cisco	los Xe	16.12.2s	All	All	All
Operating System	Cisco	los Xe	16.12.3	All	All	All
Operating System	Cisco	los Xe	16.12.3s	All	All	All
Operating System	Cisco	los Xe	16.12.4	All	All	All
Operating System	Cisco	los Xe	16.12.5	All	All	All
Operating System	Cisco	los Xe	16.12.6	All	All	All
Operating System	Cisco	los Xe	16.12.7	All	All	All
Operating System	Cisco	los Xe	16.12.8	All	All	All
Operating System	Cisco	los Xe	16.2.1	All	All	All
Operating System	Cisco	los Xe	16.2.2	All	All	All
Operating System	Cisco	los Xe	16.3.1	All	All	All
Operating System	Cisco	los Xe	16.3.10	All	All	All
Operating System	Cisco	los Xe	16.3.11	All	All	All
Operating System	Cisco	los Xe	16.3.1a	All	All	All
Operating System	Cisco	los Xe	16.3.2	All	All	All
Operating System	Cisco	los Xe	16.3.3	All	All	All
Operating System	Cisco	los Xe	16.3.4	All	All	All
Operating System	Cisco	los Xe	16.3.5	All	All	All
Operating System	Cisco	los Xe	16.3.6	All	All	All
Operating System	Cisco	los Xe	16.3.7	All	All	All
Operating System	Cisco	los Xe	16.3.8	All	All	All
Operating System	Cisco	los Xe	16.3.9	All	All	All
Operating System	Cisco	los Xe	16.4.1	All	All	All
Operating System	Cisco	los Xe	16.4.2	All	All	All
Operating System	Cisco	los Xe	16.4.3	All	All	All
Operating System	Cisco	los Xe	16.5.1	All	All	All
Operating System	Cisco	los Xe	16.5.1b	All	All	All
Operating System	Cisco	los Xe	16.5.2	All	All	All
Operating System	Cisco	los Xe	16.5.3	All	All	All
Operating System	Cisco	los Xe	16.6.1	All	All	All

Operating System	Cisco	ios Xe	16.6.10	All	All	All
Operating System	Cisco	ios Xe	16.6.2	All	All	All
Operating System	Cisco	ios Xe	16.6.3	All	All	All
Operating System	Cisco	ios Xe	16.6.4	All	All	All
Operating System	Cisco	ios Xe	16.6.5	All	All	All
Operating System	Cisco	ios Xe	16.6.6	All	All	All
Operating System	Cisco	ios Xe	16.6.7	All	All	All
Operating System	Cisco	ios Xe	16.6.8	All	All	All
Operating System	Cisco	ios Xe	16.6.9	All	All	All
Operating System	Cisco	ios Xe	16.7.1	All	All	All
Operating System	Cisco	ios Xe	16.7.2	All	All	All
Operating System	Cisco	ios Xe	16.7.3	All	All	All
Operating System	Cisco	ios Xe	16.8.1	All	All	All
Operating System	Cisco	ios Xe	16.8.1s	All	All	All
Operating System	Cisco	ios Xe	16.8.2	All	All	All
Operating System	Cisco	ios Xe	16.8.3	All	All	All
Operating System	Cisco	ios Xe	16.9.1	All	All	All
Operating System	Cisco	ios Xe	16.9.1s	All	All	All
Operating System	Cisco	ios Xe	16.9.2	All	All	All
Operating System	Cisco	ios Xe	16.9.3	All	All	All
Operating System	Cisco	ios Xe	16.9.4	All	All	All
Operating System	Cisco	ios Xe	16.9.5	All	All	All
Operating System	Cisco	ios Xe	16.9.6	All	All	All
Operating System	Cisco	ios Xe	16.9.7	All	All	All
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Operating System	Cisco	ios Xe	17.1.1t	All	All	All
Operating System	Cisco	ios Xe	17.1.3	All	All	All
Operating System	Cisco	ios Xe	17.10.1	All	All	All
Operating System	Cisco	ios Xe	17.10.1a	All	All	All
Operating System	Cisco	ios Xe	17.11.1	All	All	All
Operating System	Cisco	ios Xe	17.11.1a	All	All	All
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Operating System	Cisco	ios Xe	17.2.1r	All	All	All
Operating System	Cisco	ios Xe	17.2.1t	All	All	All

Operating System	Cisco	ios Xe	17.2.1v	All	All	All
Operating System	Cisco	ios Xe	17.2.2	All	All	All
Operating System	Cisco	ios Xe	17.2.3	All	All	All
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Operating System	Cisco	ios Xe	17.3.4a	All	All	All
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Operating System	Cisco	ios Xe	17.3.6	All	All	All
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Operating System	Cisco	ios Xe	17.4.1b	All	All	All
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Operating System	Cisco	ios Xe	17.5.1b	All	All	All
Operating System	Cisco	ios Xe	17.5.1c	All	All	All
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Operating System	Cisco	ios Xe	17.6.3	All	All	All
Operating System	Cisco	ios Xe	17.6.3a	All	All	All
Operating System	Cisco	ios Xe	17.6.4	All	All	All
Operating System	Cisco	ios Xe	17.6.5	All	All	All
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Operating System	Cisco	ios Xe	17.7.1a	All	All	All
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Operating System	Cisco	ios Xe	17.8.1a	All	All	All
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Operating System	Cisco	ios Xe	17.9.1a	All	All	All
Operating System	Cisco	ios Xe	17.9.2	All	All	All
Operating System	Cisco	ios Xe	17.9.2a	All	All	All

Operating System	Cisco	ios Xe	17.9.3	All	All	All
Operating System	Cisco	ios Xe	17.9.3a	All	All	All
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Operating System	Cisco	ios Xe	3.10.10s	All	All	All
Operating System	Cisco	ios Xe	3.10.1s	All	All	All
Operating System	Cisco	ios Xe	3.10.1xbs	All	All	All
Operating System	Cisco	ios Xe	3.10.2s	All	All	All
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Operating System	Cisco	ios Xe	3.10.7s	All	All	All
Operating System	Cisco	ios Xe	3.10.8as	All	All	All
Operating System	Cisco	ios Xe	3.10.8s	All	All	All
Operating System	Cisco	ios Xe	3.10.9s	All	All	All
Operating System	Cisco	ios Xe	3.11.0s	All	All	All
Operating System	Cisco	ios Xe	3.11.1s	All	All	All
Operating System	Cisco	ios Xe	3.11.2s	All	All	All
Operating System	Cisco	ios Xe	3.11.3s	All	All	All
Operating System	Cisco	ios Xe	3.11.4s	All	All	All
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Operating System	Cisco	ios Xe	3.12.1s	All	All	All
Operating System	Cisco	ios Xe	3.12.2s	All	All	All
Operating System	Cisco	ios Xe	3.12.3s	All	All	All
Operating System	Cisco	ios Xe	3.12.4s	All	All	All
Operating System	Cisco	ios Xe	3.13.0s	All	All	All
Operating System	Cisco	ios Xe	3.13.10s	All	All	All
Operating System	Cisco	ios Xe	3.13.1s	All	All	All
Operating System	Cisco	ios Xe	3.13.2as	All	All	All
Operating System	Cisco	ios Xe	3.13.2s	All	All	All
Operating System	Cisco	ios Xe	3.13.3s	All	All	All
Operating System	Cisco	ios Xe	3.13.4s	All	All	All
Operating System	Cisco	ios Xe	3.13.5as	All	All	All
Operating System	Cisco	ios Xe	3.13.5s	All	All	All
Operating System	Cisco	ios Xe	3.13.6as	All	All	All

Operating System	Cisco	ios Xe	3.13.6s	All	All	All
Operating System	Cisco	ios Xe	3.13.7s	All	All	All
Operating System	Cisco	ios Xe	3.13.8s	All	All	All
Operating System	Cisco	ios Xe	3.13.9s	All	All	All
Operating System	Cisco	ios Xe	3.14.0s	All	All	All
Operating System	Cisco	ios Xe	3.14.1s	All	All	All
Operating System	Cisco	ios Xe	3.14.2s	All	All	All
Operating System	Cisco	ios Xe	3.14.3s	All	All	All
Operating System	Cisco	ios Xe	3.14.4s	All	All	All
Operating System	Cisco	ios Xe	3.15.0s	All	All	All
Operating System	Cisco	ios Xe	3.15.1s	All	All	All
Operating System	Cisco	ios Xe	3.15.2s	All	All	All
Operating System	Cisco	ios Xe	3.15.3s	All	All	All
Operating System	Cisco	ios Xe	3.15.4s	All	All	All
Operating System	Cisco	ios Xe	3.16.0s	All	All	All
Operating System	Cisco	ios Xe	3.16.10s	All	All	All
Operating System	Cisco	ios Xe	3.16.1as	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	3.16.3s	All	All	All
Operating System	Cisco	ios Xe	3.16.4as	All	All	All
Operating System	Cisco	ios Xe	3.16.4bs	All	All	All
Operating System	Cisco	ios Xe	3.16.5s	All	All	All
Operating System	Cisco	ios Xe	3.16.6bs	All	All	All
Operating System	Cisco	ios Xe	3.16.6s	All	All	All
Operating System	Cisco	ios Xe	3.16.7as	All	All	All
Operating System	Cisco	ios Xe	3.16.7bs	All	All	All
Operating System	Cisco	ios Xe	3.16.7s	All	All	All
Operating System	Cisco	ios Xe	3.16.8s	All	All	All
Operating System	Cisco	ios Xe	3.16.9s	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	3.17.3s	All	All	All
Operating System	Cisco	ios Xe	3.17.4s	All	All	All

Operating System	Cisco	ios xe	3.17.4s	All	All	All
Operating System	Cisco	ios Xe	3.7.1s	All	All	All
Operating System	Cisco	ios Xe	3.7.2s	All	All	All
Operating System	Cisco	ios Xe	3.7.2ts	All	All	All
Operating System	Cisco	ios Xe	3.7.3s	All	All	All
Operating System	Cisco	ios Xe	3.7.4s	All	All	All
Operating System	Cisco	ios Xe	3.7.5s	All	All	All
Operating System	Cisco	ios Xe	3.7.6s	All	All	All
Operating System	Cisco	ios Xe	3.7.7s	All	All	All
Operating System	Cisco	ios Xe	3.8.0s	All	All	All
Operating System	Cisco	ios Xe	3.8.1s	All	All	All
Operating System	Cisco	ios Xe	3.8.2s	All	All	All
Operating System	Cisco	ios Xe	3.9.0s	All	All	All
Operating System	Cisco	ios Xe	3.9.1s	All	All	All
Operating System	Cisco	ios Xe	3.9.2s	All	All	All

## References

Reference	Source	Link
Cisco IOS XE Software for ASR 1000 Series Aggregation Services Routers IPv6 Multicast Denial of Service Vulnerability	MISC	<a href="#">sec.c</a>
CVE Program record	CVE.ORG	<a href="#">www</a>
NVD vulnerability detail	NVD	<a href="#">nvd.r</a>

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

317369 Cisco Internetwork Operating System (IOS) XE (IPv6) Multicast Denial of Service (DoS) Vulnerability (cisco-sa-mlre-H93FswRz)

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