



CVE-2023-20027

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

Summary

CVE	CVE-2023-20027
State	PUBLIC
Assigner	psirt@cisco.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-03-23 17:15:00 UTC
Updated	2023-11-07 04:05:00 UTC
Description	A vulnerability in the implementation of the IPv4 Virtual Fragmentation Reassembly (VFR) feature of Cisco IOS XE Software

Risk And Classification

Problem Types: NVD-CWE-noinfo

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	1100-4g/6g Integrated Services Router	-	All	All	All
Hardware	Cisco	1100-4g Integrated Services Router	-	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 Integrated Services Router	-	All	All	All
Hardware	Cisco	1100 Integrated Services Router	-	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 Integrated Services Router	-	All	All	All
Hardware	Cisco	1109-4p Integrated Services Router	-	All	All	All
Hardware	Cisco	1109 Integrated Services Router	-	All	All	All
Hardware	Cisco	1111x-8p Integrated Services Router	-	All	All	All
Hardware	Cisco	1111x Integrated Services Router	-	All	All	All
Hardware	Cisco	111x Integrated Services 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	4221 Integrated Services Router	-	All	All	All
Hardware	Cisco	4321 Integrated Services Router	-	All	All	All
Hardware	Cisco	4331 Integrated Services Router	-	All	All	All
Hardware	Cisco	4351 Integrated Services Router	-	All	All	All
Hardware	Cisco	4431 Integrated Services Router	-	All	All	All
Hardware	Cisco	4451-x Integrated Services Router	-	All	All	All
Hardware	Cisco	4461 Integrated Services Router	-	All	All	All
Hardware	Cisco	C8200-1n-4t	-	All	All	All
Hardware	Cisco	C8200I-1n-4t	-	All	All	All
Hardware	Cisco	C8500I-8s4x	-	All	All	All
Application	Cisco	Catalyst 8000v Edge	-	All	All	All
Hardware	Cisco	Catalyst 8300-1n1s-4t2x	-	All	All	All
Hardware	Cisco	Catalyst 8300-1n1s-6t	-	All	All	All
Hardware	Cisco	Catalyst 8300-2n2s-4t2x	-	All	All	All
Hardware	Cisco	Catalyst 8300-2n2s-6t	-	All	All	All
Application	Cisco	Cloud Services Router 1000v	-	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	16.10.1b	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	16.11.1c	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	ios Xe	16.12.1	All	All	All
Operating System	Cisco	ios Xe	16.12.1a	All	All	All
Operating System	Cisco	ios Xe	16.12.1c	All	All	All
Operating System	Cisco	ios Xe	16.12.1s	All	All	All
Operating System	Cisco	ios Xe	16.12.2	All	All	All
Operating System	Cisco	ios Xe	16.12.2s	All	All	All

Operating System	Cisco	ios Xe	16.12.2t	All	All	All
Operating System	Cisco	ios Xe	16.12.3	All	All	All
Operating System	Cisco	ios Xe	16.12.3s	All	All	All
Operating System	Cisco	ios Xe	16.12.4	All	All	All
Operating System	Cisco	ios Xe	16.12.5	All	All	All
Operating System	Cisco	ios Xe	16.12.6	All	All	All
Operating System	Cisco	ios Xe	16.12.7	All	All	All
Operating System	Cisco	ios Xe	16.12.8	All	All	All
Operating System	Cisco	ios Xe	16.2.1	All	All	All
Operating System	Cisco	ios Xe	16.2.2	All	All	All
Operating System	Cisco	ios Xe	16.3.1	All	All	All
Operating System	Cisco	ios Xe	16.3.10	All	All	All
Operating System	Cisco	ios Xe	16.3.11	All	All	All
Operating System	Cisco	ios Xe	16.3.1a	All	All	All
Operating System	Cisco	ios Xe	16.3.2	All	All	All
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Operating System	Cisco	ios Xe	16.3.4	All	All	All
Operating System	Cisco	ios Xe	16.3.5	All	All	All
Operating System	Cisco	ios Xe	16.3.6	All	All	All
Operating System	Cisco	ios Xe	16.3.7	All	All	All
Operating System	Cisco	ios Xe	16.3.8	All	All	All
Operating System	Cisco	ios Xe	16.3.9	All	All	All
Operating System	Cisco	ios Xe	16.4.1	All	All	All
Operating System	Cisco	ios Xe	16.4.2	All	All	All
Operating System	Cisco	ios Xe	16.4.3	All	All	All
Operating System	Cisco	ios Xe	16.5.1	All	All	All
Operating System	Cisco	ios Xe	16.5.1b	All	All	All
Operating System	Cisco	ios Xe	16.5.2	All	All	All
Operating System	Cisco	ios Xe	16.5.3	All	All	All
Operating System	Cisco	ios 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	16.6.4s	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
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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	16.9.2s	All	All	All
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Operating System	Cisco	ios Xe	16.9.7	All	All	All
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Operating System	Cisco	ios Xe	17.2.1r	All	All	All
Operating System	Cisco	ios Xe	17.2.1v	All	All	All
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Operating System	Cisco	ios Xe	17.3.1a	All	All	All
Operating System	Cisco	ios Xe	17.3.2	All	All	All
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Operating System	Cisco	ios Xe	3.10.2as	All	All	All
Operating System	Cisco	ios Xe	3.10.2s	All	All	All
Operating System	Cisco	ios Xe	3.10.2ts	All	All	All
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Operating System	Cisco	ios Xe	3.10.8as	All	All	All
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Operating System	Cisco	ios Xe	3.13.2s	All	All	All
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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
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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	3.15.1cs	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	3.16.0cs	All	All	All
Operating System	Cisco	ios Xe	3.16.0s	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	3.16.2s	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	3.16.4cs	All	All	All
Operating System	Cisco	ios Xe	3.16.4ds	All	All	All
Operating System	Cisco	ios Xe	3.16.4es	All	All	All
Operating System	Cisco	ios Xe	3.16.4gs	All	All	All
Operating System	Cisco	ios Xe	3.16.5as	All	All	All
Operating System	Cisco	ios Xe	3.16.5bs	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	3.17.1s	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	3.18.0as	All	All	All
Operating System	Cisco	ios Xe	3.18.2asp	All	All	All
Operating System	Cisco	ios Xe	3.9.0as	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
Hardware	Cisco	Isr 1000	-	All	All	All
Hardware	Cisco	Isr 1100	-	All	All	All
Hardware	Cisco	Isr 1100-4g	-	All	All	All
Hardware	Cisco	Isr 1100-4g/6g	-	All	All	All
Hardware	Cisco	Isr 1100-4p	-	All	All	All

Hardware	Cisco	Isr 1100-6g	-	All	All	All
Hardware	Cisco	Isr 1100-8p	-	All	All	All
Hardware	Cisco	Isr 1101	-	All	All	All
Hardware	Cisco	Isr 1101-4p	-	All	All	All
Hardware	Cisco	Isr 1109	-	All	All	All
Hardware	Cisco	Isr 1109-2p	-	All	All	All
Hardware	Cisco	Isr 1109-4p	-	All	All	All
Hardware	Cisco	Isr 1111x	-	All	All	All
Hardware	Cisco	Isr 1111x-8p	-	All	All	All
Hardware	Cisco	Isr 111x	-	All	All	All
Hardware	Cisco	Isr 1120	-	All	All	All
Hardware	Cisco	Isr 1131	-	All	All	All
Hardware	Cisco	Isr 1160	-	All	All	All

References

Reference	Source	Link	Tags
Cisco IOS XE Software Virtual Fragmentation Reassembly Denial of Service Vulnerability	CISCO	sec.cloudapps.cisco.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

317308 Cisco Internetwork Operating System (IOS) XE Software Virtual Fragmentation Reassembly Denial of Service (DoS) Vulnerability (cisco-sa-ipv4-vfr-dos-CXxtFacb)

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