



CVE-2023-20065

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

Summary

CVE	CVE-2023-20065
State	PUBLIC
Assigner	psirt@cisco.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-03-23 17:15:00 UTC
Updated	2024-01-25 17:15:00 UTC
Description	A vulnerability in the Cisco IOx application hosting subsystem of Cisco IOS XE Software could allow an authenticated, local

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 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	4000 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	4451 Integrated Services Router	-	All	All	All
Hardware	Cisco	4461 Integrated Services Router	-	All	All	All
Hardware	Cisco	8101-32fh	-	All	All	All
Hardware	Cisco	8101-32h	-	All	All	All
Hardware	Cisco	8102-64h	-	All	All	All
Hardware	Cisco	8201	-	All	All	All
Hardware	Cisco	8201-32fh	-	All	All	All
Hardware	Cisco	8202	-	All	All	All
Hardware	Cisco	8800 12-slot	-	All	All	All
Hardware	Cisco	8800 18-slot	-	All	All	All
Hardware	Cisco	8800 4-slot	-	All	All	All
Hardware	Cisco	8800 8-slot	-	All	All	All
Hardware	Cisco	8804	-	All	All	All
Hardware	Cisco	8808	-	All	All	All
Hardware	Cisco	8812	-	All	All	All
Hardware	Cisco	8818	-	All	All	All
Hardware	Cisco	8831	-	All	All	All
Hardware	Cisco	9800-40	-	All	All	All
Hardware	Cisco	9800-80	-	All	All	All
Hardware	Cisco	9800-cl	-	All	All	All
Hardware	Cisco	9800-l	-	All	All	All
Hardware	Cisco	Asr 1000	-	All	All	All
Hardware	Cisco	Asr 1000-esp100	-	All	All	All
Hardware	Cisco	Asr 1000-esp100-x	-	All	All	All
Hardware	Cisco	Asr 1000-esp200-x	-	All	All	All
Hardware	Cisco	Asr 1001	-	All	All	All
Hardware	Cisco	Asr 1001-hx	-	All	All	All
Hardware	Cisco	Asr 1001-hx R	-	All	All	All

Hardware	Cisco	Asr 1001-x	-	All	All	All
Hardware	Cisco	Asr 1001-x R	-	All	All	All
Hardware	Cisco	Asr 1002	-	All	All	All
Hardware	Cisco	Asr 1002-hx	-	All	All	All
Hardware	Cisco	Asr 1002-hx R	-	All	All	All
Hardware	Cisco	Asr 1002-x	-	All	All	All
Hardware	Cisco	Asr 1002-x R	-	All	All	All
Hardware	Cisco	Asr 1004	-	All	All	All
Hardware	Cisco	Asr 1006	-	All	All	All
Hardware	Cisco	Asr 1006-x	-	All	All	All
Hardware	Cisco	Asr 1009-x	-	All	All	All
Hardware	Cisco	Asr 1013	-	All	All	All
Hardware	Cisco	Asr 1023	-	All	All	All
Hardware	Cisco	Asr 900	-	All	All	All
Hardware	Cisco	Asr 9000	-	All	All	All
Hardware	Cisco	Asr 9000v	-	All	All	All
Hardware	Cisco	Asr 9000v	v2	All	All	All
Hardware	Cisco	Asr 9001	-	All	All	All
Hardware	Cisco	Asr 9006	-	All	All	All
Hardware	Cisco	Asr 901-12c-f-d	-	All	All	All
Hardware	Cisco	Asr 901-12c-ft-d	-	All	All	All
Hardware	Cisco	Asr 901-4c-f-d	-	All	All	All
Hardware	Cisco	Asr 901-4c-ft-d	-	All	All	All
Hardware	Cisco	Asr 901-6cz-f-a	-	All	All	All
Hardware	Cisco	Asr 901-6cz-f-d	-	All	All	All
Hardware	Cisco	Asr 901-6cz-fs-a	-	All	All	All
Hardware	Cisco	Asr 901-6cz-fs-d	-	All	All	All
Hardware	Cisco	Asr 901-6cz-ft-a	-	All	All	All
Hardware	Cisco	Asr 901-6cz-ft-d	-	All	All	All
Hardware	Cisco	Asr 9010	-	All	All	All
Hardware	Cisco	Asr 901s-2sg-f-ah	-	All	All	All
Hardware	Cisco	Asr 901s-2sg-f-d	-	All	All	All
Hardware	Cisco	Asr 901s-3sg-f-ah	-	All	All	All
Hardware	Cisco	Asr 901s-3sg-f-d	-	All	All	All
Hardware	Cisco	Asr 901s-4sg-f-d	-	All	All	All

Hardware	Cisco	Asr 902	-	All	All	All
Hardware	Cisco	Asr 902u	-	All	All	All
Hardware	Cisco	Asr 903	-	All	All	All
Hardware	Cisco	Asr 907	-	All	All	All
Hardware	Cisco	Asr 914	-	All	All	All
Hardware	Cisco	Asr 920-10sz-pd	-	All	All	All
Hardware	Cisco	Asr 920-10sz-pd R	-	All	All	All
Hardware	Cisco	Asr 920-12cz-a	-	All	All	All
Hardware	Cisco	Asr 920-12cz-a R	-	All	All	All
Hardware	Cisco	Asr 920-12cz-d	-	All	All	All
Hardware	Cisco	Asr 920-12cz-d R	-	All	All	All
Hardware	Cisco	Asr 920-12sz-im	-	All	All	All
Hardware	Cisco	Asr 920-12sz-im R	-	All	All	All
Hardware	Cisco	Asr 920-24sz-im	-	All	All	All
Hardware	Cisco	Asr 920-24sz-im R	-	All	All	All
Hardware	Cisco	Asr 920-24sz-m	-	All	All	All
Hardware	Cisco	Asr 920-24sz-m R	-	All	All	All
Hardware	Cisco	Asr 920-24tz-m	-	All	All	All
Hardware	Cisco	Asr 920-24tz-m R	-	All	All	All
Hardware	Cisco	Asr 920-4sz-a	-	All	All	All
Hardware	Cisco	Asr 920-4sz-a R	-	All	All	All
Hardware	Cisco	Asr 920-4sz-d	-	All	All	All
Hardware	Cisco	Asr 920-4sz-d R	-	All	All	All
Hardware	Cisco	Asr 920u-12sz-im	-	All	All	All
Hardware	Cisco	Asr 9901	-	All	All	All
Hardware	Cisco	Asr 9902	-	All	All	All
Hardware	Cisco	Asr 9903	-	All	All	All
Hardware	Cisco	Asr 9904	-	All	All	All
Hardware	Cisco	Asr 9906	-	All	All	All
Hardware	Cisco	Asr 9910	-	All	All	All
Hardware	Cisco	Asr 9912	-	All	All	All
Hardware	Cisco	Asr 9920	-	All	All	All
Hardware	Cisco	Asr 9922	-	All	All	All
Hardware	Cisco	Catalyst 3850	-	All	All	All
Hardware	Cisco	Catalyst 3850-12s-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-12s-s	-	All	All	All

Hardware	Cisco	Catalyst 3850-12x48u	-	All	All	All
Hardware	Cisco	Catalyst 3850-12xs-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-12xs-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-16xs-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-16xs-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-24p-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-24p-l	-	All	All	All
Hardware	Cisco	Catalyst 3850-24p-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-24pw-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-24s-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-24s-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-24t-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-24t-l	-	All	All	All
Hardware	Cisco	Catalyst 3850-24t-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-24u	-	All	All	All
Hardware	Cisco	Catalyst 3850-24u-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-24u-l	-	All	All	All
Hardware	Cisco	Catalyst 3850-24u-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-24xs	-	All	All	All
Hardware	Cisco	Catalyst 3850-24xs-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-24xs-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-24xu	-	All	All	All
Hardware	Cisco	Catalyst 3850-24xu-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-24xu-l	-	All	All	All
Hardware	Cisco	Catalyst 3850-24xu-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-32xs-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-32xs-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-48f-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-48f-l	-	All	All	All
Hardware	Cisco	Catalyst 3850-48f-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-48p-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-48p-l	-	All	All	All
Hardware	Cisco	Catalyst 3850-48p-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-48pw-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-48t-e	-	All	All	All

Hardware	Cisco	Catalyst 3850-48t-l	-	All	All	All
Hardware	Cisco	Catalyst 3850-48t-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-48u	-	All	All	All
Hardware	Cisco	Catalyst 3850-48u-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-48u-l	-	All	All	All
Hardware	Cisco	Catalyst 3850-48u-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-48xs	-	All	All	All
Hardware	Cisco	Catalyst 3850-48xs-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-48xs-f-e	-	All	All	All
Hardware	Cisco	Catalyst 3850-48xs-f-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-48xs-s	-	All	All	All
Hardware	Cisco	Catalyst 3850-nm-2-40g	-	All	All	All
Hardware	Cisco	Catalyst 3850-nm-8-10g	-	All	All	All
Hardware	Cisco	Catalyst 8200	-	All	All	All
Hardware	Cisco	Catalyst 8300	-	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
Hardware	Cisco	Catalyst 8500	-	All	All	All
Hardware	Cisco	Catalyst 8500-4qc	-	All	All	All
Hardware	Cisco	Catalyst 8500l	-	All	All	All
Hardware	Cisco	Catalyst 8510csr	-	All	All	All
Hardware	Cisco	Catalyst 8510msr	-	All	All	All
Hardware	Cisco	Catalyst 8540csr	-	All	All	All
Hardware	Cisco	Catalyst 8540msr	-	All	All	All
Hardware	Cisco	Catalyst 9200	-	All	All	All
Hardware	Cisco	Catalyst 9200cx	-	All	All	All
Hardware	Cisco	Catalyst 9200l	-	All	All	All
Hardware	Cisco	Catalyst 9300	-	All	All	All
Hardware	Cisco	Catalyst 9300-24p-a	-	All	All	All
Hardware	Cisco	Catalyst 9300-24p-e	-	All	All	All
Hardware	Cisco	Catalyst 9300-24s-a	-	All	All	All
Hardware	Cisco	Catalyst 9300-24s-e	-	All	All	All
Hardware	Cisco	Catalyst 9300-24t-a	-	All	All	All
Hardware	Cisco	Catalyst 9300-24t-e	-	All	All	All

Hardware	Cisco	Catalyst 9300-24t-e	-	All	All	All
Hardware	Cisco	Catalyst 9300-24u-a	-	All	All	All
Hardware	Cisco	Catalyst 9300-24u-e	-	All	All	All
Hardware	Cisco	Catalyst 9300-24ux-a	-	All	All	All
Hardware	Cisco	Catalyst 9300-24ux-e	-	All	All	All
Hardware	Cisco	Catalyst 9300-48p-a	-	All	All	All
Hardware	Cisco	Catalyst 9300-48p-e	-	All	All	All
Hardware	Cisco	Catalyst 9300-48s-a	-	All	All	All
Hardware	Cisco	Catalyst 9300-48s-e	-	All	All	All
Hardware	Cisco	Catalyst 9300-48t-a	-	All	All	All
Hardware	Cisco	Catalyst 9300-48t-e	-	All	All	All
Hardware	Cisco	Catalyst 9300-48u-a	-	All	All	All
Hardware	Cisco	Catalyst 9300-48u-e	-	All	All	All
Hardware	Cisco	Catalyst 9300-48un-a	-	All	All	All
Hardware	Cisco	Catalyst 9300-48un-e	-	All	All	All
Hardware	Cisco	Catalyst 9300-48uxm-a	-	All	All	All
Hardware	Cisco	Catalyst 9300-48uxm-e	-	All	All	All
Hardware	Cisco	Catalyst 9300I	-	All	All	All
Hardware	Cisco	Catalyst 9300I-24p-4g-a	-	All	All	All
Hardware	Cisco	Catalyst 9300I-24p-4g-e	-	All	All	All
Hardware	Cisco	Catalyst 9300I-24p-4x-a	-	All	All	All
Hardware	Cisco	Catalyst 9300I-24p-4x-e	-	All	All	All
Hardware	Cisco	Catalyst 9300I-24t-4g-a	-	All	All	All
Hardware	Cisco	Catalyst 9300I-24t-4g-e	-	All	All	All
Hardware	Cisco	Catalyst 9300I-24t-4x-a	-	All	All	All
Hardware	Cisco	Catalyst 9300I-24t-4x-e	-	All	All	All
Hardware	Cisco	Catalyst 9300I-48p-4g-a	-	All	All	All
Hardware	Cisco	Catalyst 9300I-48p-4g-e	-	All	All	All
Hardware	Cisco	Catalyst 9300I-48p-4x-a	-	All	All	All
Hardware	Cisco	Catalyst 9300I-48p-4x-e	-	All	All	All
Hardware	Cisco	Catalyst 9300I-48t-4g-a	-	All	All	All
Hardware	Cisco	Catalyst 9300I-48t-4g-e	-	All	All	All
Hardware	Cisco	Catalyst 9300I-48t-4x-a	-	All	All	All
Hardware	Cisco	Catalyst 9300I-48t-4x-e	-	All	All	All
Hardware	Cisco	Catalyst 9300Im	-	All	All	All
Hardware	Cisco	Catalyst 9300I Stack	-	All	All	All

Hardware	Cisco	Catalyst 9300x	-	All	All	All
Hardware	Cisco	Catalyst 9400	-	All	All	All
Hardware	Cisco	Catalyst 9400 Supervisor Engine-1	-	All	All	All
Hardware	Cisco	Catalyst 9407r	-	All	All	All
Hardware	Cisco	Catalyst 9410r	-	All	All	All
Hardware	Cisco	Catalyst 9500	-	All	All	All
Hardware	Cisco	Catalyst 9500h	-	All	All	All
Hardware	Cisco	Catalyst 9600	-	All	All	All
Hardware	Cisco	Catalyst 9600x	-	All	All	All
Hardware	Cisco	Catalyst 9600 Supervisor Engine-1	-	All	All	All
Hardware	Cisco	Catalyst 9800	-	All	All	All
Hardware	Cisco	Catalyst 9800-40	-	All	All	All
Hardware	Cisco	Catalyst 9800-40 Wireless Controller	-	All	All	All
Hardware	Cisco	Catalyst 9800-80	-	All	All	All
Hardware	Cisco	Catalyst 9800-80 Wireless Controller	-	All	All	All
Hardware	Cisco	Catalyst 9800-cl	-	All	All	All
Hardware	Cisco	Catalyst 9800-l	-	All	All	All
Hardware	Cisco	Catalyst 9800-l-c	-	All	All	All
Hardware	Cisco	Catalyst 9800-l-f	-	All	All	All
Hardware	Cisco	Catalyst 9800 Embedded Wireless Controller	-	All	All	All
Hardware	Cisco	Catalyst Ie3200	-	All	All	All
Hardware	Cisco	Catalyst Ie3200 Rugged Switch	-	All	All	All
Hardware	Cisco	Catalyst Ie3300	-	All	All	All
Hardware	Cisco	Catalyst Ie3300 Rugged Switch	-	All	All	All
Hardware	Cisco	Catalyst Ie3400	-	All	All	All
Hardware	Cisco	Catalyst Ie3400 Heavy Duty Switch	-	All	All	All
Hardware	Cisco	Catalyst Ie3400 Rugged Switch	-	All	All	All
Hardware	Cisco	Catalyst Ie9300	-	All	All	All
Hardware	Cisco	Cbr-8	-	All	All	All
Hardware	Cisco	Cg418-e	-	All	All	All
Hardware	Cisco	Cg522-e	-	All	All	All
Hardware	Cisco	Esr6300	-	All	All	All
Hardware	Cisco	Ess-3300-24t-con-a	-	All	All	All
Hardware	Cisco	Ess-3300-24t-con-e	-	All	All	All
Hardware	Cisco	Ess-3300-24t-ncp-a	-	All	All	All

Hardware	Cisco	Ess-3300-24t-ncp-e	-	All	All	All
Hardware	Cisco	Ess-3300-con-a	-	All	All	All
Hardware	Cisco	Ess-3300-con-e	-	All	All	All
Hardware	Cisco	Ess-3300-ncp-a	-	All	All	All
Hardware	Cisco	Ess-3300-ncp-e	-	All	All	All
Hardware	Cisco	Ess9300-10x-e	-	All	All	All
Hardware	Cisco	Integrated Services Virtual Router	-	All	All	All
Operating System	Cisco	ios Xe	17.11.1	All	All	All
Operating System	Cisco	ios Xe	17.6.3	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 1100-4p	-	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
Hardware	Cisco	Isr 4000	-	All	All	All
Hardware	Cisco	Isr 4221	-	All	All	All
Hardware	Cisco	Isr 4321	-	All	All	All
Hardware	Cisco	Isr 4331	-	All	All	All
Hardware	Cisco	Isr 4351	-	All	All	All
Hardware	Cisco	Isr 4431	-	All	All	All
Hardware	Cisco	Isr 4451	-	All	All	All
Hardware	Cisco	Isr 4451-x	-	All	All	All
Hardware	Cisco	Isr 4461	-	All	All	All

References

Reference	Source	Link
Cisco IOx - Elevation of privilege in CAF module (CVE-2023-20065) · Advisory · orangeCERTcc/security-research · GitHub	MISC	github
Cisco IOS XE Software IOx Application Hosting Environment Privilege Escalation Vulnerability	CISCO	sec.c
CVE Program record	CVE.ORG	www
NVD vulnerability detail	NVD	nvd.r

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

317309 Cisco Internetwork Operating System (IOS) XE Software IOx Application Hosting Environment Privilege Escalation Vulnerability (cisco-sa-iox-priv-escalate-Xg8zkyPk)

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