



CVE-2022-20823

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

Summary

CVE	CVE-2022-20823
State	PUBLIC
Assigner	psirt@cisco.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-08-25 19:15:00 UTC
Updated	2023-11-07 03:43:00 UTC
Description	A vulnerability in the OSPF version 3 (OSPFv3) feature of Cisco NX-OS Software could allow an unauthenticated, remote a

Risk And Classification

Problem Types: CWE-125

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Cisco	Nexus 3016	-	All	All	All
Hardware	Cisco	Nexus 3016q	-	All	All	All
Operating System	Cisco	Nexus 3016q Firmware	-	All	All	All
Operating System	Cisco	Nexus 3016 Firmware	-	All	All	All
Hardware	Cisco	Nexus 3048	-	All	All	All
Operating System	Cisco	Nexus 3048 Firmware	-	All	All	All
Hardware	Cisco	Nexus 3064	-	All	All	All
Hardware	Cisco	Nexus 3064-32t	-	All	All	All
Operating System	Cisco	Nexus 3064-32t Firmware	-	All	All	All
Hardware	Cisco	Nexus 3064-t	-	All	All	All
Operating System	Cisco	Nexus 3064-t Firmware	-	All	All	All
Hardware	Cisco	Nexus 3064-x	-	All	All	All
Operating System	Cisco	Nexus 3064-x Firmware	-	All	All	All
Hardware	Cisco	Nexus 3064t	-	All	All	All
Operating System	Cisco	Nexus 3064t Firmware	-	All	All	All
Hardware	Cisco	Nexus 3064x	-	All	All	All
Operating System	Cisco	Nexus 3064x Firmware	-	All	All	All

Operating System	Cisco	Nexus 3064 Firmware	-	All	All	All
Hardware	Cisco	Nexus 3100	-	All	All	All
Hardware	Cisco	Nexus 3100-v	-	All	All	All
Operating System	Cisco	Nexus 3100-v Firmware	-	All	All	All
Hardware	Cisco	Nexus 3100-z	-	All	All	All
Operating System	Cisco	Nexus 3100-z Firmware	-	All	All	All
Hardware	Cisco	Nexus 3100v	-	All	All	All
Operating System	Cisco	Nexus 3100v Firmware	-	All	All	All
Operating System	Cisco	Nexus 3100 Firmware	-	All	All	All
Hardware	Cisco	Nexus 31108pc-v	-	All	All	All
Operating System	Cisco	Nexus 31108pc-v Firmware	-	All	All	All
Hardware	Cisco	Nexus 31108pv-v	-	All	All	All
Operating System	Cisco	Nexus 31108pv-v Firmware	-	All	All	All
Hardware	Cisco	Nexus 31108tc-v	-	All	All	All
Operating System	Cisco	Nexus 31108tc-v Firmware	-	All	All	All
Hardware	Cisco	Nexus 31128pq	-	All	All	All
Operating System	Cisco	Nexus 31128pq Firmware	-	All	All	All
Hardware	Cisco	Nexus 3132c-z	-	All	All	All
Operating System	Cisco	Nexus 3132c-z Firmware	-	All	All	All
Hardware	Cisco	Nexus 3132q	-	All	All	All
Hardware	Cisco	Nexus 3132q-v	-	All	All	All
Operating System	Cisco	Nexus 3132q-v Firmware	-	All	All	All
Hardware	Cisco	Nexus 3132q-x	-	All	All	All
Hardware	Cisco	Nexus 3132q-xl	-	All	All	All
Operating System	Cisco	Nexus 3132q-xl Firmware	-	All	All	All
Hardware	Cisco	Nexus 3132q-x/3132q-xl	-	All	All	All
Operating System	Cisco	Nexus 3132q-x/3132q-xl Firmware	-	All	All	All
Operating System	Cisco	Nexus 3132q-x Firmware	-	All	All	All
Operating System	Cisco	Nexus 3132q Firmware	-	All	All	All
Hardware	Cisco	Nexus 3164q	-	All	All	All
Operating System	Cisco	Nexus 3164q Firmware	-	All	All	All
Hardware	Cisco	Nexus 3172	-	All	All	All
Hardware	Cisco	Nexus 3172pq	-	All	All	All
Hardware	Cisco	Nexus 3172pq-xl	-	All	All	All
Operating System	Cisco	Nexus 3172pq-xl Firmware	-	All	All	All

Hardware	Cisco	Nexus 3172pq/pq-xl	-	All	All	All
Operating System	Cisco	Nexus 3172pq/pq-xl Firmware	-	All	All	All
Operating System	Cisco	Nexus 3172pq Firmware	-	All	All	All
Hardware	Cisco	Nexus 3172tq	-	All	All	All
Hardware	Cisco	Nexus 3172tq-32t	-	All	All	All
Operating System	Cisco	Nexus 3172tq-32t Firmware	-	All	All	All
Hardware	Cisco	Nexus 3172tq-xl	-	All	All	All
Operating System	Cisco	Nexus 3172tq-xl Firmware	-	All	All	All
Operating System	Cisco	Nexus 3172tq Firmware	-	All	All	All
Operating System	Cisco	Nexus 3172 Firmware	-	All	All	All
Hardware	Cisco	Nexus 3200	-	All	All	All
Operating System	Cisco	Nexus 3200 Firmware	-	All	All	All
Hardware	Cisco	Nexus 3232c	-	All	All	All
Hardware	Cisco	Nexus 3232c	-	All	All	All
Operating System	Cisco	Nexus 3232c Firmware	-	All	All	All
Operating System	Cisco	Nexus 3232c Firmware	-	All	All	All
Hardware	Cisco	Nexus 3264c-e	-	All	All	All
Operating System	Cisco	Nexus 3264c-e Firmware	-	All	All	All
Hardware	Cisco	Nexus 3264q	-	All	All	All
Operating System	Cisco	Nexus 3264q Firmware	-	All	All	All
Hardware	Cisco	Nexus 3400	-	All	All	All
Operating System	Cisco	Nexus 3400 Firmware	-	All	All	All
Hardware	Cisco	Nexus 3408-s	-	All	All	All
Operating System	Cisco	Nexus 3408-s Firmware	-	All	All	All
Hardware	Cisco	Nexus 34180yc	-	All	All	All
Operating System	Cisco	Nexus 34180yc Firmware	-	All	All	All
Hardware	Cisco	Nexus 34200yc-sm	-	All	All	All
Operating System	Cisco	Nexus 34200yc-sm Firmware	-	All	All	All
Hardware	Cisco	Nexus 3432d-s	-	All	All	All
Operating System	Cisco	Nexus 3432d-s Firmware	-	All	All	All
Hardware	Cisco	Nexus 3464c	-	All	All	All
Operating System	Cisco	Nexus 3464c Firmware	-	All	All	All
Hardware	Cisco	Nexus 3500	-	All	All	All
Operating System	Cisco	Nexus 3500 Firmware	-	All	All	All
Hardware	Cisco	Nexus 3500 Platform	-	All	All	All

Operating System	Cisco	Nexus 3500 Platform Firmware	-	All	All	All
Hardware	Cisco	Nexus 3524	-	All	All	All
Hardware	Cisco	Nexus 3524-x	-	All	All	All
Hardware	Cisco	Nexus 3524-xl	-	All	All	All
Operating System	Cisco	Nexus 3524-xl Firmware	-	All	All	All
Hardware	Cisco	Nexus 3524-x/xl	-	All	All	All
Operating System	Cisco	Nexus 3524-x/xl Firmware	-	All	All	All
Operating System	Cisco	Nexus 3524-x Firmware	-	All	All	All
Operating System	Cisco	Nexus 3524 Firmware	-	All	All	All
Hardware	Cisco	Nexus 3548	-	All	All	All
Hardware	Cisco	Nexus 3548-x	-	All	All	All
Hardware	Cisco	Nexus 3548-xl	-	All	All	All
Operating System	Cisco	Nexus 3548-xl Firmware	-	All	All	All
Hardware	Cisco	Nexus 3548-x/xl	-	All	All	All
Operating System	Cisco	Nexus 3548-x/xl Firmware	-	All	All	All
Operating System	Cisco	Nexus 3548-x Firmware	-	All	All	All
Operating System	Cisco	Nexus 3548 Firmware	-	All	All	All
Hardware	Cisco	Nexus 3600	-	All	All	All
Operating System	Cisco	Nexus 3600 Firmware	-	All	All	All
Hardware	Cisco	Nexus 36180yc-r	-	All	All	All
Operating System	Cisco	Nexus 36180yc-r Firmware	-	All	All	All
Hardware	Cisco	Nexus 3636c-r	-	All	All	All
Operating System	Cisco	Nexus 3636c-r Firmware	-	All	All	All
Hardware	Cisco	Nexus 5500	-	All	All	All
Operating System	Cisco	Nexus 5500 Firmware	-	All	All	All
Hardware	Cisco	Nexus 5548p	-	All	All	All
Operating System	Cisco	Nexus 5548p Firmware	-	All	All	All
Hardware	Cisco	Nexus 5548up	-	All	All	All
Operating System	Cisco	Nexus 5548up Firmware	-	All	All	All
Hardware	Cisco	Nexus 5596t	-	All	All	All
Operating System	Cisco	Nexus 5596t Firmware	-	All	All	All
Hardware	Cisco	Nexus 5596up	-	All	All	All
Operating System	Cisco	Nexus 5596up Firmware	-	All	All	All
Hardware	Cisco	Nexus 5600	-	All	All	All
Operating System	Cisco	Nexus 5600 Firmware	-	All	All	All
Hardware	Cisco	Nexus 56128p	-	All	All	All

Operating System	Cisco	Nexus 56128p Firmware	-	All	All	All
Hardware	Cisco	Nexus 5624q	-	All	All	All
Operating System	Cisco	Nexus 5624q Firmware	-	All	All	All
Hardware	Cisco	Nexus 5648q	-	All	All	All
Operating System	Cisco	Nexus 5648q Firmware	-	All	All	All
Hardware	Cisco	Nexus 5672up	-	All	All	All
Hardware	Cisco	Nexus 5672up-16g	-	All	All	All
Operating System	Cisco	Nexus 5672up-16g Firmware	-	All	All	All
Operating System	Cisco	Nexus 5672up Firmware	-	All	All	All
Hardware	Cisco	Nexus 5696q	-	All	All	All
Operating System	Cisco	Nexus 5696q Firmware	-	All	All	All
Hardware	Cisco	Nexus 6000	-	All	All	All
Operating System	Cisco	Nexus 6000 Firmware	-	All	All	All
Hardware	Cisco	Nexus 6001	-	All	All	All
Hardware	Cisco	Nexus 6001p	-	All	All	All
Operating System	Cisco	Nexus 6001p Firmware	-	All	All	All
Hardware	Cisco	Nexus 6001t	-	All	All	All
Operating System	Cisco	Nexus 6001t Firmware	-	All	All	All
Operating System	Cisco	Nexus 6001 Firmware	-	All	All	All
Hardware	Cisco	Nexus 6004	-	All	All	All
Hardware	Cisco	Nexus 6004x	-	All	All	All
Operating System	Cisco	Nexus 6004x Firmware	-	All	All	All
Operating System	Cisco	Nexus 6004 Firmware	-	All	All	All
Hardware	Cisco	Nexus 7000	-	All	All	All
Hardware	Cisco	Nexus 7000 10-slot	-	All	All	All
Operating System	Cisco	Nexus 7000 10-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 7000 18-slot	-	All	All	All
Operating System	Cisco	Nexus 7000 18-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 7000 4-slot	-	All	All	All
Operating System	Cisco	Nexus 7000 4-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 7000 9-slot	-	All	All	All
Operating System	Cisco	Nexus 7000 9-slot Firmware	-	All	All	All
Operating System	Cisco	Nexus 7000 Firmware	-	All	All	All
Hardware	Cisco	Nexus 7000 Supervisor 1	-	All	All	All
Operating System	Cisco	Nexus 7000 Supervisor 1 Firmware	-	All	All	All

Hardware	Cisco	Nexus 7000 Supervisor 2	-	All	All	All
Hardware	Cisco	Nexus 7000 Supervisor 2e	-	All	All	All
Operating System	Cisco	Nexus 7000 Supervisor 2e Firmware	-	All	All	All
Operating System	Cisco	Nexus 7000 Supervisor 2 Firmware	-	All	All	All
Hardware	Cisco	Nexus 7004	-	All	All	All
Operating System	Cisco	Nexus 7004 Firmware	-	All	All	All
Hardware	Cisco	Nexus 7009	-	All	All	All
Operating System	Cisco	Nexus 7009 Firmware	-	All	All	All
Hardware	Cisco	Nexus 7010	-	All	All	All
Operating System	Cisco	Nexus 7010 Firmware	-	All	All	All
Hardware	Cisco	Nexus 7018	-	All	All	All
Operating System	Cisco	Nexus 7018 Firmware	-	All	All	All
Hardware	Cisco	Nexus 7700	-	All	All	All
Hardware	Cisco	Nexus 7700 10-slot	-	All	All	All
Operating System	Cisco	Nexus 7700 10-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 7700 18-slot	-	All	All	All
Operating System	Cisco	Nexus 7700 18-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 7700 2-slot	-	All	All	All
Operating System	Cisco	Nexus 7700 2-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 7700 6-slot	-	All	All	All
Operating System	Cisco	Nexus 7700 6-slot Firmware	-	All	All	All
Operating System	Cisco	Nexus 7700 Firmware	-	All	All	All
Hardware	Cisco	Nexus 7700 Supervisor 2e	-	All	All	All
Operating System	Cisco	Nexus 7700 Supervisor 2e Firmware	-	All	All	All
Hardware	Cisco	Nexus 7700 Supervisor 3e	-	All	All	All
Operating System	Cisco	Nexus 7700 Supervisor 3e Firmware	-	All	All	All
Hardware	Cisco	Nexus 7702	-	All	All	All
Operating System	Cisco	Nexus 7702 Firmware	-	All	All	All
Hardware	Cisco	Nexus 7706	-	All	All	All
Operating System	Cisco	Nexus 7706 Firmware	-	All	All	All
Hardware	Cisco	Nexus 7710	-	All	All	All
Operating System	Cisco	Nexus 7710 Firmware	-	All	All	All
Hardware	Cisco	Nexus 7718	-	All	All	All
Operating System	Cisco	Nexus 7718 Firmware	-	All	All	All
Hardware	Cisco	Nexus 9000	-	All	All	All
Hardware	Cisco	Nexus 9000v	-	All	All	All

Hardware	Cisco	Nexus 9000v	-	All	All	All
Operating System	Cisco	Nexus 9000v Firmware	-	All	All	All
Operating System	Cisco	Nexus 9000 Firmware	-	All	All	All
Hardware	Cisco	Nexus 9200	-	All	All	All
Operating System	Cisco	Nexus 9200 Firmware	-	All	All	All
Hardware	Cisco	Nexus 92160yc-x	-	All	All	All
Operating System	Cisco	Nexus 92160yc-x Firmware	-	All	All	All
Hardware	Cisco	Nexus 9221c	-	All	All	All
Operating System	Cisco	Nexus 9221c Firmware	-	All	All	All
Hardware	Cisco	Nexus 92300yc	-	All	All	All
Operating System	Cisco	Nexus 92300yc Firmware	-	All	All	All
Hardware	Cisco	Nexus 92304qc	-	All	All	All
Operating System	Cisco	Nexus 92304qc Firmware	-	All	All	All
Hardware	Cisco	Nexus 92348gc-x	-	All	All	All
Operating System	Cisco	Nexus 92348gc-x Firmware	-	All	All	All
Hardware	Cisco	Nexus 9236c	-	All	All	All
Operating System	Cisco	Nexus 9236c Firmware	-	All	All	All
Hardware	Cisco	Nexus 9272q	-	All	All	All
Operating System	Cisco	Nexus 9272q Firmware	-	All	All	All
Hardware	Cisco	Nexus 9300	-	All	All	All
Operating System	Cisco	Nexus 9300 Firmware	-	All	All	All
Hardware	Cisco	Nexus 93108tc-ex	-	All	All	All
Hardware	Cisco	Nexus 93108tc-ex-24	-	All	All	All
Operating System	Cisco	Nexus 93108tc-ex-24 Firmware	-	All	All	All
Operating System	Cisco	Nexus 93108tc-ex Firmware	-	All	All	All
Hardware	Cisco	Nexus 93108tc-fx	-	All	All	All
Hardware	Cisco	Nexus 93108tc-fx-24	-	All	All	All
Operating System	Cisco	Nexus 93108tc-fx-24 Firmware	-	All	All	All
Hardware	Cisco	Nexus 93108tc-fx3p	-	All	All	All
Operating System	Cisco	Nexus 93108tc-fx3p Firmware	-	All	All	All
Operating System	Cisco	Nexus 93108tc-fx Firmware	-	All	All	All
Hardware	Cisco	Nexus 93120tx	-	All	All	All
Operating System	Cisco	Nexus 93120tx Firmware	-	All	All	All
Hardware	Cisco	Nexus 93128	-	All	All	All
Hardware	Cisco	Nexus 93128tx	-	All	All	All
Operating System	Cisco	Nexus 93128tx Firmware	-	All	All	All

Operating System	Cisco	Nexus 93128 Firmware	-	All	All	All
Hardware	Cisco	Nexus 9316d-gx	-	All	All	All
Operating System	Cisco	Nexus 9316d-gx Firmware	-	All	All	All
Hardware	Cisco	Nexus 93180lc-ex	-	All	All	All
Operating System	Cisco	Nexus 93180lc-ex Firmware	-	All	All	All
Hardware	Cisco	Nexus 93180tc-ex	-	All	All	All
Operating System	Cisco	Nexus 93180tc-ex Firmware	-	All	All	All
Hardware	Cisco	Nexus 93180yc-ex	-	All	All	All
Hardware	Cisco	Nexus 93180yc-ex-24	-	All	All	All
Operating System	Cisco	Nexus 93180yc-ex-24 Firmware	-	All	All	All
Operating System	Cisco	Nexus 93180yc-ex Firmware	-	All	All	All
Hardware	Cisco	Nexus 93180yc-fx	-	All	All	All
Hardware	Cisco	Nexus 93180yc-fx-24	-	All	All	All
Operating System	Cisco	Nexus 93180yc-fx-24 Firmware	-	All	All	All
Hardware	Cisco	Nexus 93180yc-fx3	-	All	All	All
Hardware	Cisco	Nexus 93180yc-fx3s	-	All	All	All
Operating System	Cisco	Nexus 93180yc-fx3s Firmware	-	All	All	All
Operating System	Cisco	Nexus 93180yc-fx3 Firmware	-	All	All	All
Operating System	Cisco	Nexus 93180yc-fx Firmware	-	All	All	All
Hardware	Cisco	Nexus 93216tc-fx2	-	All	All	All
Operating System	Cisco	Nexus 93216tc-fx2 Firmware	-	All	All	All
Hardware	Cisco	Nexus 93240yc-fx2	-	All	All	All
Operating System	Cisco	Nexus 93240yc-fx2 Firmware	-	All	All	All
Hardware	Cisco	Nexus 9332c	-	All	All	All
Operating System	Cisco	Nexus 9332c Firmware	-	All	All	All
Hardware	Cisco	Nexus 9332pq	-	All	All	All
Operating System	Cisco	Nexus 9332pq Firmware	-	All	All	All
Hardware	Cisco	Nexus 93360yc-fx2	-	All	All	All
Operating System	Cisco	Nexus 93360yc-fx2 Firmware	-	All	All	All
Hardware	Cisco	Nexus 9336c-fx2	-	All	All	All
Hardware	Cisco	Nexus 9336c-fx2-e	-	All	All	All
Operating System	Cisco	Nexus 9336c-fx2-e Firmware	-	All	All	All
Operating System	Cisco	Nexus 9336c-fx2 Firmware	-	All	All	All
Hardware	Cisco	Nexus 9336pq	-	All	All	All
Operating System	Cisco	Nexus 9336pq Firmware	-	All	All	All

Hardware	Cisco	Nexus 9348gc-fxp	-	All	All	All
Operating System	Cisco	Nexus 9348gc-fxp Firmware	-	All	All	All
Hardware	Cisco	Nexus 93600cd-gx	-	All	All	All
Operating System	Cisco	Nexus 93600cd-gx Firmware	-	All	All	All
Hardware	Cisco	Nexus 9364c	-	All	All	All
Hardware	Cisco	Nexus 9364c-gx	-	All	All	All
Operating System	Cisco	Nexus 9364c-gx Firmware	-	All	All	All
Operating System	Cisco	Nexus 9364c Firmware	-	All	All	All
Hardware	Cisco	Nexus 9372px	-	All	All	All
Hardware	Cisco	Nexus 9372px-e	-	All	All	All
Operating System	Cisco	Nexus 9372px-e Firmware	-	All	All	All
Operating System	Cisco	Nexus 9372px Firmware	-	All	All	All
Hardware	Cisco	Nexus 9372tx	-	All	All	All
Hardware	Cisco	Nexus 9372tx-e	-	All	All	All
Operating System	Cisco	Nexus 9372tx-e Firmware	-	All	All	All
Operating System	Cisco	Nexus 9372tx Firmware	-	All	All	All
Hardware	Cisco	Nexus 9396px	-	All	All	All
Operating System	Cisco	Nexus 9396px Firmware	-	All	All	All
Hardware	Cisco	Nexus 9396tx	-	All	All	All
Operating System	Cisco	Nexus 9396tx Firmware	-	All	All	All
Hardware	Cisco	Nexus 9500	-	All	All	All
Hardware	Cisco	Nexus 9500r	-	All	All	All
Operating System	Cisco	Nexus 9500r Firmware	-	All	All	All
Operating System	Cisco	Nexus 9500 Firmware	-	All	All	All
Hardware	Cisco	Nexus 9504	-	All	All	All
Operating System	Cisco	Nexus 9504 Firmware	-	All	All	All
Hardware	Cisco	Nexus 9508	-	All	All	All
Operating System	Cisco	Nexus 9508 Firmware	-	All	All	All
Hardware	Cisco	Nexus 9516	-	All	All	All
Operating System	Cisco	Nexus 9516 Firmware	-	All	All	All

References

Reference	Source	Link	Tags
20220824 Cisco NX-OS Software OSPFv3 Denial of Service Vulnerability	CISCO	tools.cisco.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[317218](#) Cisco Nexus Operating System (NX-OS) OSPFv3 Denial of Service (DoS) Vulnerability (cisco-sa-nxos-ospfv3-dos-48qutcu)

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