



# CVE-2019-12662

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## Summary

<b>CVE</b>	CVE-2019-12662
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@cisco.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2019-09-25 21:15:00 UTC
<b>Updated</b>	2019-10-09 23:46:00 UTC
<b>Description</b>	A vulnerability in Cisco NX-OS Software and Cisco IOS XE Software could allow an authenticated, local attacker with valid

## Risk And Classification

**Problem Types:** CWE-347

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Cisco	ios Xe	16.8.1	All	All	All
Operating System	Cisco	ios Xe	16.8.1	All	All	All
Hardware	Cisco	Mds 9000	-	All	All	All
Hardware	Cisco	Mds 9000	-	All	All	All
Hardware	Cisco	Nexus 3016	-	All	All	All
Hardware	Cisco	Nexus 3016	-	All	All	All
Operating System	Cisco	Nexus 3016 Firmware	-	All	All	All
Operating System	Cisco	Nexus 3016 Firmware	-	All	All	All
Hardware	Cisco	Nexus 3048	-	All	All	All
Hardware	Cisco	Nexus 3048	-	All	All	All
Operating System	Cisco	Nexus 3048 Firmware	-	All	All	All
Operating System	Cisco	Nexus 3048 Firmware	-	All	All	All
Hardware	Cisco	Nexus 3064	-	All	All	All
Hardware	Cisco	Nexus 3064	-	All	All	All
Hardware	Cisco	Nexus 3064-t	-	All	All	All
Hardware	Cisco	Nexus 3064-t	-	All	All	All
Operating System	Cisco	Nexus 3064-t Firmware	-	All	All	All

Operating System	Cisco	Nexus 3064-t Firmware	-	All	All	All
Operating System	Cisco	Nexus 3064 Firmware	-	All	All	All
Operating System	Cisco	Nexus 3064 Firmware	-	All	All	All
Hardware	Cisco	Nexus 31108pc-v	-	All	All	All
Hardware	Cisco	Nexus 31108pc-v	-	All	All	All
Operating System	Cisco	Nexus 31108pc-v Firmware	-	All	All	All
Operating System	Cisco	Nexus 31108pc-v Firmware	-	All	All	All
Hardware	Cisco	Nexus 31108tc-v	-	All	All	All
Hardware	Cisco	Nexus 31108tc-v	-	All	All	All
Operating System	Cisco	Nexus 31108tc-v Firmware	-	All	All	All
Operating System	Cisco	Nexus 31108tc-v Firmware	-	All	All	All
Hardware	Cisco	Nexus 31128pq	-	All	All	All
Hardware	Cisco	Nexus 31128pq	-	All	All	All
Operating System	Cisco	Nexus 31128pq Firmware	-	All	All	All
Operating System	Cisco	Nexus 31128pq Firmware	-	All	All	All
Hardware	Cisco	Nexus 3132c-z	-	All	All	All
Hardware	Cisco	Nexus 3132c-z	-	All	All	All
Operating System	Cisco	Nexus 3132c-z Firmware	-	All	All	All
Operating System	Cisco	Nexus 3132c-z Firmware	-	All	All	All
Hardware	Cisco	Nexus 3132q	-	All	All	All
Hardware	Cisco	Nexus 3132q	-	All	All	All
Hardware	Cisco	Nexus 3132q-v	-	All	All	All
Hardware	Cisco	Nexus 3132q-v	-	All	All	All
Operating System	Cisco	Nexus 3132q-v Firmware	-	All	All	All
Operating System	Cisco	Nexus 3132q-v Firmware	-	All	All	All
Hardware	Cisco	Nexus 3132q-xl	-	All	All	All
Hardware	Cisco	Nexus 3132q-xl	-	All	All	All
Operating System	Cisco	Nexus 3132q-xl Firmware	-	All	All	All
Operating System	Cisco	Nexus 3132q-xl Firmware	-	All	All	All
Operating System	Cisco	Nexus 3132q Firmware	-	All	All	All
Operating System	Cisco	Nexus 3132q Firmware	-	All	All	All
Hardware	Cisco	Nexus 3164q	-	All	All	All
Hardware	Cisco	Nexus 3164q	-	All	All	All
Operating System	Cisco	Nexus 3164q Firmware	-	All	All	All
Operating System	Cisco	Nexus 3164q Firmware	-	All	All	All

Hardware	Cisco	Nexus 3172	-	All	All	All
Hardware	Cisco	Nexus 3172	-	All	All	All
Hardware	Cisco	Nexus 3172pq-xl	-	All	All	All
Hardware	Cisco	Nexus 3172pq-xl	-	All	All	All
Operating System	Cisco	Nexus 3172pq-xl Firmware	-	All	All	All
Operating System	Cisco	Nexus 3172pq-xl Firmware	-	All	All	All
Hardware	Cisco	Nexus 3172tq	-	All	All	All
Hardware	Cisco	Nexus 3172tq	-	All	All	All
Hardware	Cisco	Nexus 3172tq-32t	-	All	All	All
Hardware	Cisco	Nexus 3172tq-32t	-	All	All	All
Operating System	Cisco	Nexus 3172tq-32t Firmware	-	All	All	All
Operating System	Cisco	Nexus 3172tq-32t Firmware	-	All	All	All
Hardware	Cisco	Nexus 3172tq-xl	-	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-xl Firmware	-	All	All	All
Operating System	Cisco	Nexus 3172tq Firmware	-	All	All	All
Operating System	Cisco	Nexus 3172tq Firmware	-	All	All	All
Operating System	Cisco	Nexus 3172 Firmware	-	All	All	All
Operating System	Cisco	Nexus 3172 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
Hardware	Cisco	Nexus 3264c-e	-	All	All	All
Operating System	Cisco	Nexus 3264c-e Firmware	-	All	All	All
Operating System	Cisco	Nexus 3264c-e Firmware	-	All	All	All
Hardware	Cisco	Nexus 3264q	-	All	All	All
Hardware	Cisco	Nexus 3264q	-	All	All	All
Operating System	Cisco	Nexus 3264q Firmware	-	All	All	All
Operating System	Cisco	Nexus 3264q Firmware	-	All	All	All
Hardware	Cisco	Nexus 3408-s	-	All	All	All
Hardware	Cisco	Nexus 3408-s	-	All	All	All
Operating System	Cisco	Nexus 3408-s Firmware	-	All	All	All

Operating System	Cisco	Nexus 3408-s Firmware	-	All	All	All
Hardware	Cisco	Nexus 34180yc	-	All	All	All
Hardware	Cisco	Nexus 34180yc	-	All	All	All
Operating System	Cisco	Nexus 34180yc Firmware	-	All	All	All
Operating System	Cisco	Nexus 34180yc Firmware	-	All	All	All
Hardware	Cisco	Nexus 34200yc-sm	-	All	All	All
Hardware	Cisco	Nexus 34200yc-sm	-	All	All	All
Operating System	Cisco	Nexus 34200yc-sm Firmware	-	All	All	All
Operating System	Cisco	Nexus 34200yc-sm Firmware	-	All	All	All
Hardware	Cisco	Nexus 3432d-s	-	All	All	All
Hardware	Cisco	Nexus 3432d-s	-	All	All	All
Operating System	Cisco	Nexus 3432d-s Firmware	-	All	All	All
Operating System	Cisco	Nexus 3432d-s Firmware	-	All	All	All
Hardware	Cisco	Nexus 3464c	-	All	All	All
Hardware	Cisco	Nexus 3464c	-	All	All	All
Operating System	Cisco	Nexus 3464c Firmware	-	All	All	All
Operating System	Cisco	Nexus 3464c Firmware	-	All	All	All
Hardware	Cisco	Nexus 3524	-	All	All	All
Hardware	Cisco	Nexus 3524	-	All	All	All
Hardware	Cisco	Nexus 3524-x	-	All	All	All
Hardware	Cisco	Nexus 3524-x	-	All	All	All
Hardware	Cisco	Nexus 3524-xl	-	All	All	All
Hardware	Cisco	Nexus 3524-xl	-	All	All	All
Operating System	Cisco	Nexus 3524-xl Firmware	-	All	All	All
Operating System	Cisco	Nexus 3524-xl Firmware	-	All	All	All
Operating System	Cisco	Nexus 3524-x Firmware	-	All	All	All
Operating System	Cisco	Nexus 3524-x Firmware	-	All	All	All
Operating System	Cisco	Nexus 3524 Firmware	-	All	All	All
Operating System	Cisco	Nexus 3524 Firmware	-	All	All	All
Hardware	Cisco	Nexus 3548	-	All	All	All
Hardware	Cisco	Nexus 3548	-	All	All	All
Hardware	Cisco	Nexus 3548-x	-	All	All	All
Hardware	Cisco	Nexus 3548-x	-	All	All	All
Hardware	Cisco	Nexus 3548-xl	-	All	All	All
Hardware	Cisco	Nexus 3548-xl	-	All	All	All
Operating System	Cisco	Nexus 3548-xl Firmware	-	All	All	All

Operating System	Cisco	Nexus 3548-xl Firmware	-	All	All	All
Operating System	Cisco	Nexus 3548-x Firmware	-	All	All	All
Operating System	Cisco	Nexus 3548-x Firmware	-	All	All	All
Operating System	Cisco	Nexus 3548 Firmware	-	All	All	All
Operating System	Cisco	Nexus 3548 Firmware	-	All	All	All
Hardware	Cisco	Nexus 5548p	-	All	All	All
Hardware	Cisco	Nexus 5548p	-	All	All	All
Operating System	Cisco	Nexus 5548p Firmware	-	All	All	All
Operating System	Cisco	Nexus 5548p Firmware	-	All	All	All
Hardware	Cisco	Nexus 5548up	-	All	All	All
Hardware	Cisco	Nexus 5548up	-	All	All	All
Operating System	Cisco	Nexus 5548up Firmware	-	All	All	All
Operating System	Cisco	Nexus 5548up Firmware	-	All	All	All
Hardware	Cisco	Nexus 5596t	-	All	All	All
Hardware	Cisco	Nexus 5596t	-	All	All	All
Operating System	Cisco	Nexus 5596t Firmware	-	All	All	All
Operating System	Cisco	Nexus 5596t Firmware	-	All	All	All
Hardware	Cisco	Nexus 5596up	-	All	All	All
Hardware	Cisco	Nexus 5596up	-	All	All	All
Operating System	Cisco	Nexus 5596up Firmware	-	All	All	All
Operating System	Cisco	Nexus 5596up Firmware	-	All	All	All
Hardware	Cisco	Nexus 56128p	-	All	All	All
Hardware	Cisco	Nexus 56128p	-	All	All	All
Operating System	Cisco	Nexus 56128p Firmware	-	All	All	All
Operating System	Cisco	Nexus 56128p Firmware	-	All	All	All
Hardware	Cisco	Nexus 5624q	-	All	All	All
Hardware	Cisco	Nexus 5624q	-	All	All	All
Operating System	Cisco	Nexus 5624q Firmware	-	All	All	All
Operating System	Cisco	Nexus 5624q Firmware	-	All	All	All
Hardware	Cisco	Nexus 5648q	-	All	All	All
Hardware	Cisco	Nexus 5648q	-	All	All	All
Operating System	Cisco	Nexus 5648q Firmware	-	All	All	All
Operating System	Cisco	Nexus 5648q Firmware	-	All	All	All
Hardware	Cisco	Nexus 5672up	-	All	All	All
Hardware	Cisco	Nexus 5672up	-	All	All	All

Operating System	Cisco	Nexus 5672up Firmware	-	All	All	All
Operating System	Cisco	Nexus 5672up Firmware	-	All	All	All
Hardware	Cisco	Nexus 5696q	-	All	All	All
Hardware	Cisco	Nexus 5696q	-	All	All	All
Operating System	Cisco	Nexus 5696q Firmware	-	All	All	All
Operating System	Cisco	Nexus 5696q Firmware	-	All	All	All
Hardware	Cisco	Nexus 6001	-	All	All	All
Hardware	Cisco	Nexus 6001	-	All	All	All
Operating System	Cisco	Nexus 6001 Firmware	-	All	All	All
Operating System	Cisco	Nexus 6001 Firmware	-	All	All	All
Hardware	Cisco	Nexus 6004	-	All	All	All
Hardware	Cisco	Nexus 6004	-	All	All	All
Operating System	Cisco	Nexus 6004 Firmware	-	All	All	All
Operating System	Cisco	Nexus 6004 Firmware	-	All	All	All
Hardware	Cisco	Nexus 7000 10-slot	-	All	All	All
Hardware	Cisco	Nexus 7000 10-slot	-	All	All	All
Operating System	Cisco	Nexus 7000 10-slot Firmware	-	All	All	All
Operating System	Cisco	Nexus 7000 10-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 7000 18-slot	-	All	All	All
Hardware	Cisco	Nexus 7000 18-slot	-	All	All	All
Operating System	Cisco	Nexus 7000 18-slot Firmware	-	All	All	All
Operating System	Cisco	Nexus 7000 18-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 7000 4-slot	-	All	All	All
Hardware	Cisco	Nexus 7000 4-slot	-	All	All	All
Operating System	Cisco	Nexus 7000 4-slot Firmware	-	All	All	All
Operating System	Cisco	Nexus 7000 4-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 7000 9-slot	-	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 9-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 7700 10-slot	-	All	All	All
Hardware	Cisco	Nexus 7700 10-slot	-	All	All	All
Operating System	Cisco	Nexus 7700 10-slot Firmware	-	All	All	All
Operating System	Cisco	Nexus 7700 10-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 7700 18-slot	-	All	All	All
Hardware	Cisco	Nexus 7700 18-slot	-	All	All	All

Hardware	Cisco	Nexus 7700 18-slot	-	All	All	All
Operating System	Cisco	Nexus 7700 18-slot Firmware	-	All	All	All
Operating System	Cisco	Nexus 7700 18-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 7700 2-slot	-	All	All	All
Hardware	Cisco	Nexus 7700 2-slot	-	All	All	All
Operating System	Cisco	Nexus 7700 2-slot Firmware	-	All	All	All
Operating System	Cisco	Nexus 7700 2-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 7700 6-slot	-	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 6-slot Firmware	-	All	All	All
Hardware	Cisco	Nexus 9000v	-	All	All	All
Hardware	Cisco	Nexus 9000v	-	All	All	All
Hardware	Cisco	Nexus 92160yc-x	-	All	All	All
Hardware	Cisco	Nexus 92160yc-x	-	All	All	All
Hardware	Cisco	Nexus 92300yc	-	All	All	All
Hardware	Cisco	Nexus 92300yc	-	All	All	All
Hardware	Cisco	Nexus 92304qc	-	All	All	All
Hardware	Cisco	Nexus 92304qc	-	All	All	All
Hardware	Cisco	Nexus 92348gc-x	-	All	All	All
Hardware	Cisco	Nexus 92348gc-x	-	All	All	All
Hardware	Cisco	Nexus 9236c	-	All	All	All
Hardware	Cisco	Nexus 9236c	-	All	All	All
Hardware	Cisco	Nexus 9272q	-	All	All	All
Hardware	Cisco	Nexus 9272q	-	All	All	All
Hardware	Cisco	Nexus 93108tc-ex	-	All	All	All
Hardware	Cisco	Nexus 93108tc-ex	-	All	All	All
Hardware	Cisco	Nexus 93108tc-fx	-	All	All	All
Hardware	Cisco	Nexus 93108tc-fx	-	All	All	All
Hardware	Cisco	Nexus 93120tx	-	All	All	All
Hardware	Cisco	Nexus 93120tx	-	All	All	All
Hardware	Cisco	Nexus 93128tx	-	All	All	All
Hardware	Cisco	Nexus 93128tx	-	All	All	All
Hardware	Cisco	Nexus 93180lc-ex	-	All	All	All
Hardware	Cisco	Nexus 93180lc-ex	-	All	All	All
Hardware	Cisco	Nexus 93180yc-ex	-	All	All	All

Hardware	Cisco	Nexus 93180yc-ex	-	All	All	All
Hardware	Cisco	Nexus 93180yc-fx	-	All	All	All
Hardware	Cisco	Nexus 93180yc-fx	-	All	All	All
Hardware	Cisco	Nexus 93216tc-fx2	-	All	All	All
Hardware	Cisco	Nexus 93216tc-fx2	-	All	All	All
Hardware	Cisco	Nexus 93240yc-fx2	-	All	All	All
Hardware	Cisco	Nexus 93240yc-fx2	-	All	All	All
Hardware	Cisco	Nexus 9332c	-	All	All	All
Hardware	Cisco	Nexus 9332c	-	All	All	All
Hardware	Cisco	Nexus 9332pq	-	All	All	All
Hardware	Cisco	Nexus 9332pq	-	All	All	All
Hardware	Cisco	Nexus 93360yc-fx2	-	All	All	All
Hardware	Cisco	Nexus 93360yc-fx2	-	All	All	All
Hardware	Cisco	Nexus 9336c-fx2	-	All	All	All
Hardware	Cisco	Nexus 9336c-fx2	-	All	All	All
Hardware	Cisco	Nexus 9336pq Aci Spine	-	All	All	All
Hardware	Cisco	Nexus 9336pq Aci Spine	-	All	All	All
Hardware	Cisco	Nexus 9348gc-fxp	-	All	All	All
Hardware	Cisco	Nexus 9348gc-fxp	-	All	All	All
Hardware	Cisco	Nexus 9364c	-	All	All	All
Hardware	Cisco	Nexus 9364c	-	All	All	All
Hardware	Cisco	Nexus 9372px	-	All	All	All
Hardware	Cisco	Nexus 9372px	-	All	All	All
Hardware	Cisco	Nexus 9372px-e	-	All	All	All
Hardware	Cisco	Nexus 9372px-e	-	All	All	All
Hardware	Cisco	Nexus 9372tx	-	All	All	All
Hardware	Cisco	Nexus 9372tx	-	All	All	All
Hardware	Cisco	Nexus 9372tx-e	-	All	All	All
Hardware	Cisco	Nexus 9372tx-e	-	All	All	All
Hardware	Cisco	Nexus 9396px	-	All	All	All
Hardware	Cisco	Nexus 9396px	-	All	All	All
Hardware	Cisco	Nexus 9396tx	-	All	All	All
Hardware	Cisco	Nexus 9396tx	-	All	All	All
Hardware	Cisco	Nexus 9504	-	All	All	All
Hardware	Cisco	Nexus 9504	-	All	All	All

Hardware	Cisco	Nexus 9508	-	All	All	All
Hardware	Cisco	Nexus 9508	-	All	All	All
Hardware	Cisco	Nexus 9516	-	All	All	All
Hardware	Cisco	Nexus 9516	-	All	All	All
Operating System	Cisco	Nx-os	8.1(0)bd(0.20)	All	All	All
Operating System	Cisco	Nx-os	8.1(0.2)s0	All	All	All
Operating System	Cisco	Nx-os	8.1(1)	All	All	All
Operating System	Cisco	Nx-os	8.1(1)s5	All	All	All
Operating System	Cisco	Nx-os	8.1(0.2)s0	All	All	All
Operating System	Cisco	Nx-os	8.1(0)bd(0.20)	All	All	All
Operating System	Cisco	Nx-os	8.1(1)	All	All	All
Operating System	Cisco	Nx-os	8.1(1)s5	All	All	All
Operating System	Cisco	Nx-os	8.1(0.2)s0	All	All	All
Operating System	Cisco	Nx-os	8.1(0)bd(0.20)	All	All	All
Operating System	Cisco	Nx-os	8.1(1)	All	All	All
Operating System	Cisco	Nx-os	8.1(1)s5	All	All	All

## References

Reference	Source	Link	Tags
Cisco NX-OS and IOS XE Software Virtual Service Image Signature Bypass Vulnerability	CISCO	<a href="https://tools.cisco.com">tools.cisco.com</a>	Vendor Advisory
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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