

Cisco NX-OS **OSPFv3** Denial of Service (DoS)



Severity: **High**
CVE ID: [CVE-2022-20823](#)
Published: 2022-08-24 16:00
Product: Cisco NX-OS, OSPFv3
CVSS Score: [8.6](#)
Workarounds: No workarounds available
Cisco Bug ID: [CSCwb50013](#), [CSCwb50012](#), [CSCwb50015](#), [CSCvz68748](#)

Denial of Service (DoS) vulnerability in Cisco NX-OS OSPFv3

Impact

Cisco NX-OS OSPFv3 is affected by a Denial of Service (DoS) vulnerability. An attacker can exploit this vulnerability by sending a specially crafted OSPFv3 packet to a Cisco NX-OS device, causing the device to crash and become unavailable. This vulnerability affects Cisco NX-OS versions 7.6(0) through 7.6(1) and 7.7(0) through 7.7(1). The vulnerability is caused by a buffer overflow in the OSPFv3 process when handling a specially crafted packet. The severity of this vulnerability is High (CVSS 8.6). No workarounds are currently available for this vulnerability.

OSPFv3 is affected by a Denial of Service (DoS) vulnerability.

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For more information, see the [Cisco Security Advisory](https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-nxos-ospfv3-dos-48qutcu).

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- Nexus 5600 ãf—ãf®ããfãf^ãf•ã,®ãf¼ããã,¹ã,ããfãf¼ã^CSCwb50015i¼%o
- Nexus 6000 ã,ãfããf¼ã,°ã,¹ã,ããfãf¼ã^CSCwb50015i¼%o
- Nexus 7000 ã,ãfããf¼ã,°ã,¹ã,ããfãf¼ã^CSCwb50013i¼%o
- ACI ãfçããf¼ããf%ã® Nexus 9000 ã,ãfããf¼ã,°ãf•ã,¿ãf—ãfããfã,¹ã,¹ã,ããfãf¼ã^CSCwb50012i¼%o
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feature | include ospfv3

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<#root>

nxos#

```
show feature | include ospfv3
```

ospfv3 1 enabled

running-config | include "ipv6 router ospfv3"
1
show running-config | include "ipv6 router ospfv3"
ipv6 router ospfv3 101 area 0.0.0.0

<#root>

nxos#

show running-config | include "ipv6 router ospfv3"

ipv6 router ospfv3 101 area 0.0.0.0

« FULL
OS CLI
show ipv6 ospfv3 neighbors

<#root>

nxos#

show ipv6 ospfv3 neighbors

OSPFv3 Process ID 101 VRF default

Total number of neighbors: 1

Neighbor ID	Pri	Up Time	Interface ID	Interface
10.3.3.3	1			

FULL

/DR	02:11:53	107	Eth1/1
Neighbor address	fe80::1ae7:28ff:fedb:407f		

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Cisco Nexus 7000 [Cisco NX-OS 8.2\(8\) for Cisco NX-OS System Management Configuration Guide](#) [Performing Software Maintenance Upgrades](#)

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Cisco NX-OS	Platform	SMU
8.2(8)	Nexus 7000	n7000-s2-dk9.8.2.8.CSCwc36631.bin n7700-s2-dk9.8.2.8.CSCwc36631.bin

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Cisco Product Security Incident Response

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URL

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-nxos-ospfv3-dos-48qutcu>

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翻訳について

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