

Cisco IOS XE mDNS



CVSS: 7.8
Cisco ID: CSCup70579

CVE-2015-0650

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Cisco IOS XE mDNS

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<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20150325-mdnsw>

...
...
Security

Advisory

Cisco IOS XE

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...

Event Response: Semiannual Cisco IOS & XE Software Security Advisory Bundled

Publication

http://www.cisco.com/web/about/security/intelligence/Cisco_ERP_mar15.html

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XEã,½åf•åf^ã,|ã,šã,çã,å®Yè;CEã—ã|ã,,ã,ã,ã,¹ã,³åf†åfã,åã,¹ã«ãè,,†å¼±æ€§åãCEã~ãc
mDNSã,²åf¼åf^ã,|ã,šã,å®©ÿèf½ã™ã Cisco IOS,½åf•åf^ã,|ã,šã,çãã,^ã³ Cisco IOS
XEã,½åf•åf^ã,|ã,šã,çãããåf†åfã,©åf«åfããšæœ%ååš¹ã«ãåã£ã|ã,,ã¼ã™ã€,mD

Cisco IOSåf†åfã,åã,¹ã¼ãÿã Cisco IOS
XEåf†åfã,åã,¹ãCEmDNSåfã,±åffåf^ã,å†çã†ã™ã,ããã©ã†ããã,çç°èã™ã,ãã«ã
show ip socket€**show udp**€ã¼ãÿã™ã show control-plane host open-
portsã®ã,,ãšã,CEããã®ã,³åfžåf³åf%ååf©ã,åãf³ã,åãf³ã,çåf¼åf^ã,šã,åã,¹(CLI)ã,³åfžåf³åf%åå,

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IOSåf†åfã,åã,¹ã,çœã—ã|ã,,ã¼ã™ã€,ã,½ã,±åffåf^ãCEUDPåfãåf¼åf^5353ãšé-ãã

<#root>

```
Router#show ip socket
Proto Remote Port Local Port In Out Stat TTY OutputIF
17 --listen-- 192.168.0.1 67 0 0 1 0
17 --listen-- 192.168.0.1 68 0 0 1 0
17 --listen-- 224.0.0.251 5353 0 0 1 0
```

Router#

```
Router#sho udp
Proto Remote Port Local Port In Out Stat TTY OutputIF
17 224.0.0.251 5353 --any-- 5353 0 0 1000021 0
17(v6) FF02::FB 5353 --any-- 5353 0 0 1020021 0
```

Router#

```
Router#sho control-plane host open-ports
Active internet connections (servers and established)
Prot Local Address Foreign Address Service State
tcp *:22 *:0 SSH-Server LISTEN
tcp *:23 *:0 Telnet LISTEN
udp *:5353 224.0.0.251:0 IOS host service LISTEN
```

Router#

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IOSä,½äf•äf^ä,|ä,šä,çäŠä,^ä³Cisco IOS

XEä,½äf•äf^ä,|ä,šä,çä@ä•ä½ceä-ääf†äf•ä,©äf«äf^äšmdNSä©Yèf½ä,'ä,ªäf³ä«ä™ä,ä
Bug ID

CSCum51028ä«ä³¼äçceä-ää|ä%æ>ä•ä,CEä€ç¼äceä-äf†äf•ä,©äf«äf^äšç,,jäš¹ä

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IOSä,½äf•äf^ä,|ä,šä,çäŠä,^ä³Cisco IOS XEä,½äf•äf^ä,|ä,šä,çäfªäfªäf¼ä,¹äŠä-ä€

service-routing mdns-sd

CLIä, °äfäf¼äfäf«ä,³äf³äf•ä,£ä,@äf¥äf-äf¼ä,äfšäf³ä,³äfžäf³äf%oä,'èä@šä-ä|ä€mdNSä,²

service-routing mdns-

sdä,³äfžäf³äf%oäCEèä@šä«ä«ä¼ä,CEä|ä,,ä,ä'ä^ääf†äfä,ªä,¹ä«è,,tä¼±æ€šä

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version ä,³äfžäf³äf%oä,'ä½ä£ä|ä€ä,ä,¹äf†äf

**äfäfšäf¼ä,'èçªä-ä¼ä™ä€ä,ä,ä,¹äf†äf äfäfšäf¼ä«ä€Cisco Internetwork
Operating System Softwareä,,ä€Cisco IOS**

Softwareä€äªä©ä@äf†ä,ä,¹äf^äCEèçªªä•ä,CEäYä'ä^ä-ääf†äfä,ªä,¹äCE
Cisco IOS

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Cisco IOS

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äf†äfä,ªä,¹äšä-ä€show version

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15.2(4)M5ä,ªäf³ä,¹äf^äf¼äf«ä•ä,CEäYä,ªäfjäf¼ä,ääCE C3900-UNIVERSALK9-

M äšä,ä,ä,ä,¹ä,³èf½ä“ä,'çªªä-ä|ä,,ä¼ä™ä€ä,

<#root>

Router>

show version

Cisco IOS Software, C3900 Software (C3900-UNIVERSALK9-M), Version 15.2(4)M5, RELEASE SOFTWARE (fc2)
Technical Support: <http://www.cisco.com/techsupport>

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mDNSãfã,±ãffãfã«ã,ã£ã|ã"ã®è,,†¼±æ€šã£ã¼ãèµã"ã•ã,£ã,ã«èf½æ€šã

ã"ã®è,,†¼±æ€šã-ã€Cisco Bug ID [CSCup70579](#)(
[c™»é£²ãf!ãf¼ã,¶ã°,ç™"\)ã"ã—ã|æ-†æ,ã£ã-ã•ã,£ã€Common Vulnerabilities and
Exposures\(CVE\)IDã"ã—ã|CVE-2015-
0650ã£ã%²ã,šã½"ã|ã,%ã,£ã|ã,,ã¾ã™ã€,](#)

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Cisco IOSã,½ãf•ãfã,ã,šã,£ãšã,ã³Cisco IOS XEã,½ãf•ãfã,|ã,šã,£ãfããfã¼ã,¹ã«Cisco Bug
ID

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IOSã,½ãf•ãfã,|ã,šã,£ã®ã,»ã,ãfããfãfã,£ã©ÿèf½ãšã,ã,šã€è»çé€ã•ã,£ã,ãfã,±ãffãfã

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```
!---  
!--- Deny IPv4 mDNS traffic to a device  
!---
```

```
access-list 150 deny udp any any eq 5353
```

```
!--- Permit/deny all other Layer 3 and Layer 4 IPv4 traffic in  
!--- accordance with existing security policies and  
!--- configurations. Permit all other traffic to transit the  
!--- device.
```

```
access-list 150 permit ip any any
```

```
!---  
!--- Deny IPv6 mDNS traffic to a device  
!---
```

```
ipv6 access-list v6_list
```


!--- Apply the policy map to the
!--- control plane of the device

```
control-plane service-policy  
input drop-udp-traffic
```

CoPP...
permit...
deny...
drop...
IOS...

```
policy-map drop-udp-traffic  
class drop-udp-class  
police 32000 1500 1500 conform-action drop exceed-action drop
```

CoPP...
Cisco Bug ID CSCum51028...
IOS...
XE...
no service-routing mdns-
sd...

Applied Mitigation
Bulletin...
<https://sec.cloudapps.cisco.com/security/center/viewAMBAAlert.x?alertId=37485>

CoPP...
Applied Mitigation
Bulletin...

Applied Mitigation
Bulletin...
<http://www.cisco.com/go/psirt> Cisco Security Advisories, Responses, and Alerts

[Cisco IOS 15.1\(4\)M2](#)

Technical Assistance Center

Cisco IOS 15.1(4)M2

Cisco IOS

[Cisco IOS Software Checker](#)

- `show version`
- `show version`
- `show version`

Fixed

[Cisco IOS 15.1\(4\)M2](#)

[Cisco IOS 15.1\(4\)M2](#)

(15.1(4)M2)

Cisco IOS 15.1(4)M2

[Cisco IOS XE 2 Release Notes](#)

[Cisco IOS XE 3S Release Notes](#)

[Cisco IOS XE 3SG Release Notes](#)

翻訳について

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