

# Cisco IOS Session Initiation Protocol (DoS) Denial of Service



Cisco Security ID : cisco-sa-20140924-sip

[CVE-2014-3360](#)

Published : 2014-09-24 16:00

Version : 1.0 : Final

CVSS Score : 7.8

Workarounds : No Workarounds available

Cisco Security ID : [CSCu146586](#)

**High** - Denial of Service (DoS) vulnerability in Cisco IOS Session Initiation Protocol (SIP) that could allow an attacker to cause a denial of service.

## Summary

Cisco IOS Session Initiation Protocol (SIP) Denial of Service (DoS) vulnerability in Cisco IOS XE Session Initiation Protocol (SIP) that could allow an attacker to cause a denial of service.

The vulnerability exists in the SIP stack of Cisco IOS XE. An attacker can exploit this vulnerability by sending a specially crafted SIP message to a Cisco IOS XE device, which could cause a denial of service.

SIP Denial of Service (DoS) vulnerability in Cisco IOS XE that could allow an attacker to cause a denial of service.

For more information, please refer to the following link:  
<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20140924-sip>

© 2014 Cisco and/or its affiliates. All rights reserved. Cisco Confidential

IOS Session Initiation Protocol (SIP) Denial of Service (DoS) vulnerability in Cisco IOS XE that could allow an attacker to cause a denial of service.

Advisory ID: CSCu146586, Cisco Security ID: cisco-sa-20140924-sip

IOS Session Initiation Protocol (SIP) Denial of Service (DoS) vulnerability in Cisco IOS XE that could allow an attacker to cause a denial of service.

*Event Response: Semiannual Cisco IOS Software Security Advisory Bundled*

Publication: 2014-09-24, 16:00 UTC

# è©²å½“è£½å“

è,†å¼±æ€§å®ã,ã,è£½å“

Ciscoåf†åfã,å,1å-å€è©²å½“å™ã, Cisco IOSå,½åf•åf^å,|å,šå,çå¼åYã-Cisco IOS

XEå,½åf•åf^å,|å,šå,çåfåfåf½å,1å,å@Yè;CEå-å€SIPåfjåffå,»åf¼å,å,å†|çtå™ã,ã,å^åtå IOSå,½åf•åf^å,|å,šå,çå¼åYã-Cisco IOS

XEå,½åf•åf^å,|å,šå,çå,å@Yè;CEå-å|å,,å,åf†åfã,å,1åCESIPåfjåffå,»åf¼å,å@å†|çtå show udpå,³åfžåf³åf%åå,å½ç”å™ã,ã”å”å,åŠåšå,å-å¼å™|include 5060åŠå,å³ show tcp brief all | include

5060|5061å,å½ç”å-å|å€SIPåfåf¼åf^åCEé-å,,å|å,,å,å<å©åtå<å,ççèå Layer

Security(TLS)åCEå½ç”å•å,CEå|å,,å,å´å^å-TCPåfåf¼åf^5061åŠå•å½çå-å¼

<#root>

Router#

show udp | include 5060

```
17      0.0.0.0          0 --any--          5060    0    0    11    0
```

Router#

show tcp brief all | include 5060|5061

```
7F1277405E20  0.0.0.0.5061          *.*                LISTEN
7F127BBE20D8  0.0.0.0.5060          *.*                LISTEN
```

æ³”¼šSIPå¼åYã-å,»å,åf¥å,çSIPå@åfåf¼åf^åCEåf†åfã,©åf«åf^å<å,%åå%åæ’å•å,C å-å€åå%åå@å¼åŠå-å€å½ç”å,å@æ-å-å-å,åfåf¼åf^å,å,ç...šå™ã,å¿:...è

å,å,1å,³è£½å“ååšç”¼åfåå-å|å,,å,< Cisco IOS å,½åf•åf^å,|å,šå,ç åfåfåf¼å,1å,ççèåå™ã,ã«å-å€åf†åfå,å,1å«åfå,å,ååf³å-å| show version å,³åfžåf³åf%åå,å½ç;å£å|å€å,å,1åftåf åfåfšåf¼å,è;çåå-å¼å™å€,"Internetwork Operating System Software"å€"Cisco IOS Software" å,å,å,,å-å-å,CEå,%å«éjžå¼å™ã,ã,å,1åftåf åfåfšåf¼å«å,å£å|åf†åfå,å,1åš Cisco IOS å,½åf•åf^å,|å,šå,çåCEç”¼åfåå-å|å,,å,å”å”å,ççèååšåå¼å™å€, ååå@å¼CEå,å«å,åfjåf¼å,åååCEæ-å¼šå@é-å«è;çåå•å,CEåçššå,,å|

```
"Version"
Cisco IOS Software (C3900 Software (C3900-UNIVERSALK9-M), 15.2(4)M5, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2013 by Cisco Systems, Inc.
Compiled Fri 13-Sep-13 16:44 by prod_rel_team

show version
```

```
Cisco IOS Software (C3900 Software (C3900-UNIVERSALK9-M), 15.2(4)M5, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2013 by Cisco Systems, Inc.
Compiled Fri 13-Sep-13 16:44 by prod_rel_team
```

<#root>

Router>

show version

```
Cisco IOS Software, C3900 Software (C3900-UNIVERSALK9-M), 15.2(4)M5, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2013 by Cisco Systems, Inc.
Compiled Fri 13-Sep-13 16:44 by prod_rel_team
```

!--- output truncated

Cisco

IOS Software (C3900 Software (C3900-UNIVERSALK9-M), 15.2(4)M5, RELEASE SOFTWARE (fc2)
Technical Support: <http://www.cisco.com/techsupport>
Copyright (c) 1986-2013 by Cisco Systems, Inc.
Compiled Fri 13-Sep-13 16:44 by prod\_rel\_team

... output truncated

Cisco Unified Communications

Manager Software (CUCM Software (CUCM-7.0.2), RELEASE SOFTWARE (fc2)
Technical Support: <http://www.cisco.com/techsupport>
Copyright (c) 1986-2013 by Cisco Systems, Inc.
Compiled Fri 13-Sep-13 16:44 by prod\_rel\_team

... output truncated

© 2013 Cisco

SIP Software (CUCM Software (CUCM-7.0.2), RELEASE SOFTWARE (fc2)
Technical Support: <http://www.cisco.com/techsupport>
Copyright (c) 1986-2013 by Cisco Systems, Inc.
Compiled Fri 13-Sep-13 16:44 by prod\_rel\_team

Cisco IOS Software (C3900 Software (C3900-UNIVERSALK9-M), 15.2(4)M5, RELEASE SOFTWARE (fc2)
Technical Support: <http://www.cisco.com/techsupport>
Copyright (c) 1986-2013 by Cisco Systems, Inc.
Compiled Fri 13-Sep-13 16:44 by prod\_rel\_team

... output truncated

ã"ã®è,,t¼±æ€šã-ã€ç%º1á®šã®SIPãfjãffã,»ãf¼ã,ã®ä,é©á^#ãª!çtã«èμ·á»  
over

IPãfãf¼ã,ãfšãf³4(IPv4)ã¾ãÿã-IPãfãf¼ã,ãfšãf³6(IPv6)é€šä¿iãf-ãfãf^ã,³ãf«ãš,æ£á^©  
over UDPãf^ãf©ãf·ã,£ãffã,-ã¾ãÿã-IPãfãf¼ã,ãfšãf³6(IPv6)é€šä¿iãf-ãfãf^ã,³ãf«ãš,æ£á^©

TCPãf^ãf©ãf·ã,£ãffã,-ãš,æ£á^©ç"ã·ã,CEã,ã,š¾ã™ã€,

ã"ã®è,,t¼±æ€šã-ã€Cisco Bug ID [CSCu146586](#)(

ç™»éCE²ãf¼ã,¶á°,ç"ã-ã|æ-#æ,áCE-ã·ã,CEã|ã,,ã¾ã™ã€,ã"ã®è,,t¼±æ€šã-  
Vulnerabilities and Exposures(CVE)IDã-ã-ã|ã-CVE-2014-  
3360ãCEá%º²ã,š¾½"ã|ã,%ºã,CEã|ã,,ã¾ã™ã€,

### ãžéç-

Cisco IOSã,½ãf·ãf^ã,|ã,šã,çã¾ãÿã-Cisco IOS  
XEã,½ãf·ãf^ã,|ã,šã,çã,á®ÿè¿CEã-ã|ã,,ã,«è²½"ã™ã,ã,ã,¹ã,³ãf#ãfã,ã,¹ãSVoIPã,μãf¼ãf

ãfãffãf^ãf^ãf¼ã,-ãt...ã®Ciscoãf#ãfã,ã,¹ã«é©ç"ã-èf½ãª»-ã®ç·©á^CEç-ã-ã€æ  
Cisco IOSã,½ãf·ãf^ã,|ã,šã,çã¾ãÿã®Session Initiation Protocolã«ãšã^ã,«Denial of  
Service(DoS)è,,t¼±æ€šã®æ,ç"ã®è~á^¥ã"ç·©á^CEã«é-çã™ã,é©ç"ã¾ã¿œç-é€ÿá ±ã®  
<https://sec.cloudapps.cisco.com/security/center/viewAMBAAlert.x?alertId=35259>

### SIPãfªã,¹ãf^ãf³ã,°ãfãf¼ãf^ã®ç,,jãš¹áCE-

SIPã, 'æœ%ºãš¹ã«ã™ã,ã¿...è|ãCEãªã,,ãf#ãfã,ã,¹ã®á^ã€æœ€ã,,ç°jã~ãšãš¹æ  
IOSã,½ãf·ãf^ã,|ã,šã,çã¾ãÿã³Cisco IOS  
XEã,½ãf·ãf^ã,|ã,šã,çã®ã,é£"ã®ãfªãfªãf¼ã,¹ãšã-ã€ç®jçtè€...ã-æ-ã®ã,³ãfžãf³ãf%

```
sip-ua
no transport udp
no transport tcp
no transport tcp tls
```

èášš¼šMedia Gateway Control  
Protocol(MGCP)ã¾ãÿã-ãH.323ã,³ãf¼ãf«ã,á#|çtã-ã|ã,,ã,ãf#ãfã,ã,¹ã«ã"ã®áž

ã"ã®ãžéç-ã,é©ç"ã-ã-ãÿ¾ãCEãšã€ show udpã,³ãfžãf³ãf%ã" show tcp brief  
allã,³ãfžãf³ãf%ã,á½¿ç"ã-ã|ã€SIP  
UDPãfãf¼ãf^ã"TCPãfãf¼ãf^ãCEé-%ºã~ã|ã,,ã,ã"ã"ã,çç°èªãšã¾ã¾ã¾ã™ã€

äl½ç””ã—ã|ã,,ã, Cisco

IOSã,½ãf•ãf^ã,|ã,šã,çãfããfãf¼ã,¹ã«ã,^ã£ã|ã¬ã€SIPã€CEãfã,£ã,»ãf¼ãf-ãf«ã«ãªã£ã

show ip

socketsã,³ãfžãf³ãf%ã®ã†°ãš>ã«SIPãfãf¼ãf^ã€CEã,ªãf¼ãf—ãf³ã”è;”çª°ã•ã,CEã,ã’ã^ã€CE

\*Nov 2 11:36:47.691: sip\_udp\_sock\_process\_read: SIP UDP Listener is DISABLED

ã,³ãf³ãf^ãfãf¼ãf«ãf—ãf-ãf¼ãf³ãfãfã,ãf³ã,°

SIPã,¼ãf¼ãf“ã,¹ã,’æã¼ãã™ã,ã¿...è|ã€CEã,ã,ãfãfã,ªã,¹ãšã¬ãã,³ãf³ãf^ãfãf¼ãf«ãf—

IOSã,½ãf•ãf^ã,|ã,šã,çãšã,^ã³Cisco IOS

XEã,½ãf•ãf^ã,|ã,šã,çãfããfãf¼ã,¹12.0Sã€12.2SXã€12.2Sã€12.3Tã€12.4ã€12.4Tã»¥é™ã€

CoPPã,è”ã®šã—ã|ã€ç®|ç€†ãf—ãf-ãf¼ãf³ã”ã,³ãf³ãf^ãfãf¼ãf«

ãf—ãf-ãf¼ãf³ã,ã¿è-ã—ã€æ—çã~ã®ã,»ã,ãfãfãfãfã,£

ãfãfã,ãf¼ãšã,^ã³è”ã®šã«ã¼”ã£ã|ã€ã,ªãf³ãf•ãf©ã,¹ãf^ãf©ã,¬ãfãf£ã®ãfãfã,ª

!â€ The 192.168.1.0/24 network and the 172.16.1.1 host are trusted.  
!â€ Everything else is not trusted. The following access list is used  
!â€ to determine which traffic needs to be dropped by a control plane  
!â€ policy (the CoPP feature): if the access list matches (permit),  
!â€ traffic will be dropped and if the access list does not  
!â€ match (deny), traffic will be processed by the router.

```
access-list 100 deny udp 192.168.1.0 0.0.0.255 any eq 5060
access-list 100 deny tcp 192.168.1.0 0.0.0.255 any eq 5060
access-list 100 deny tcp 192.168.1.0 0.0.0.255 any eq 5061
access-list 100 deny udp host 172.16.1.1 any eq 5060
access-list 100 deny tcp host 172.16.1.1 any eq 5060
access-list 100 deny tcp host 172.16.1.1 any eq 5061
access-list 100 permit udp any any eq 5060
access-list 100 permit tcp any any eq 5060
access-list 100 permit tcp any any eq 5061
```

!â€ Create a class map for traffic to be policed by  
!â€ the CoPP feature.

```
class-map match-all drop-sip-class
  match access-group 100
```

!â€ Create a policy map that will be applied to the  
!â€ control plane of the device.

```
policy-map control-plane-policy
  class drop-sip-class
    drop
```

!â€ Apply the policy map to the control plane of the  
!â€ device.



• ä»¥á%ã«ã...-é-ã•ã,CEãÿã™ã¹ã|ã©Cisco Security

Advisoriesãç%¹ã@šã®ã...-é-ã€ã¾ãÿã™2015á¹9æœ^ã®ãfã³ãf%ãf«ã...-é-

ã“ã®ãf,,ãf¼ãf«ã-ã€ã,ã,ãfãã•ã,CEãÿã,½ãf•ãf^ã,|ã,šã,çãfããfãf¼ã,¹ã«ã½±éÿã,ã,Žã^ Security Advisoryã”ã€ã„Cisco Security

Advisoryã®ã™ã¹ã|ã®è,,†ã¼±æ€šã,ã¿@æ£ã™ã,æœ€ã,,ãã„ãfããfãf¼ã,¹(ã€CEFirst Fixedã€)ã,ç%¹ã@šã—ã¾ã™ã€,ã¿...è|ã«ã¿œã~ã|ã€è;çœãã,CEã|ã,,ã,ã First Fixedã€)ã,,è¿”ã•ã,CEã¾ã™ã€, [Cisco IOS Software](#)

[Checker](#)ã«ã,çã,ã,»ã,¹ã™ã,ããã€ã-ã®ãfã,£ãf¼ãf«ãf%ã«Cisco IOSã,½ãf•ãf^ã,|ã,šã,çãfããfãf¼ã,¹ã,ã...¥ãšã—ã|ã€ãã“ã®ãfã³ãf%ãf«ã...-é-ã®ã,,ã

(ã¾ã¼š15.1(4)M2)ã€,

### Cisco IOS XE ã,½ãf•ãf^ã,|ã,šã,ç

Cisco IOS

XEã,½ãf•ãf^ã,|ã,šã,çã-ã€ãã“ã®ã,çãf%ãfã,ã,ã,¶ãfãã«è~è¼%ã•ã,CEã|ã,,ã,è,,†ã¼±æ€

Cisco IOS XE ã,½ãf•ãf^ã, ã,šã,ç ãfããfãf¼ã,¹	First Fixed Releasei¼^ä¿@æ£ã•ã,CEãÿæœ€ã^ã®ãfããfãf¼ã,¹i¼%œ	IC
2.1.x	è,,†ã¼±æ€šãã—	è,,
2.2.x	è,,†ã¼±æ€šãã—	è,,
2.3.x	è,,†ã¼±æ€šãã—	è,,
2.4.x	è,,†ã¼±æ€šãã—	è,,
2.5.x	è,,†ã¼±æ€šãã—	è,,
2.6.x	è,,†ã¼±æ€šãã—	è,,
3.1.xS	è,,†ã¼±æ€šãã,šã€ç,3.7.6Sã»¥é™ã«çš»è;CEã—ã ãããããã,ã€,	è,,
3.1.xSG	è,,†ã¼±æ€šãã—	è,,
3.2.xS	è,,†ã¼±æ€šãã,šã€ç,3.7.6Sã»¥é™ã«çš»è;CEã—ã ãããããã,ã€,	è,,
3.2.xSE	è,,†ã¼±æ€šãã—	è,,
3.2.xSG	è,,†ã¼±æ€šã	è,,

	☞ <sup>a</sup> ã☞—	☞
3.2.xXO	è,,†!¼±æ€§ã☞ <sup>a</sup> ã☞—	è,,
3.2.xSQ	è,,†!¼±æ€§ã☞ <sup>a</sup> ã☞—	è,,
3.3.xS	è,,†!¼±æ€§ã☞,ã,Šã€,3.7.6Sä»¥é™☞ã☞«çš»è;ĈEã☞—ã☞ ã☞ã☞ã☞ã☞•ã☞,,ã€,	è,,
3.3.xSE	è,,†!¼±æ€§ã☞ <sup>a</sup> ã☞—	3.
3.3.xSG	è,,†!¼±æ€§ã☞ <sup>a</sup> ã☞—	è,,
3.3.xXO	è,,†!¼±æ€§ã☞ <sup>a</sup> ã☞—	3.
3.3.xSQ	è,,†!¼±æ€§ã☞ <sup>a</sup> ã☞—	è,,
3.4.xS	è,,†!¼±æ€§ã☞,ã,Šã€,3.7.6Sä»¥é™☞ã☞«çš»è;ĈEã☞—ã☞ ã☞ã☞ã☞ã☞•ã☞,,ã€,	è,,
3.4.xSG	è,,†!¼±æ€§ã☞ <sup>a</sup> ã☞—	3.
3.4.xSQ	è,,†!¼±æ€§ã☞ <sup>a</sup> ã☞—	è,,
3.5.xS	è,,†!¼±æ€§ã☞,ã,Šã€,3.7.6Sä»¥é™☞ã☞«çš»è;ĈEã☞—ã☞ ã☞ã☞ã☞ã☞•ã☞,,ã€,	è,,
3.5.xE	è,,†!¼±æ€§ã☞ <sup>a</sup> ã☞—	3.
3.6.xS	è,,†!¼±æ€§ã☞,ã,Šã€,3.7.6Sä»¥é™☞ã☞«çš»è;ĈEã☞—ã☞ ã☞ã☞ã☞ã☞•ã☞,,ã€,	è,,
3.6.xE	è,,†!¼±æ€§ã☞ <sup>a</sup> ã☞—	è,,
3.7.xS	3.7.6S	è,,
3.7.xE	è,,†!¼±æ€§ã☞ <sup>a</sup> ã☞—	è,,
3.8.xS	è,,†!¼±æ€§ã☞,ã,Šã€,3.10.4Sä»¥é™☞ã☞«çš»è;ĈEã☞—ã☞ ã☞ã☞ã☞ã☞•ã☞,,ã€,	è,,
3.9.xS	è,,†!¼±æ€§ã☞,ã,Šã€,3.10.4Sä»¥é™☞ã☞«çš»è;ĈEã☞—ã☞ ã☞ã☞ã☞ã☞•ã☞,,ã€,	è,,
3.10.xS	3.10.4S	3.
3.11.xS	è,,†!¼±æ€§ã☞,ã,Šã€,3.12Sä»¥é™☞ã☞«çš»è;ĈEã☞—ã☞ ã☞ã☞ã☞ã☞•ã☞,,ã€,	è,,
3.12.xS	è,,†!¼±æ€§ã☞ <sup>a</sup> ã☞—	è,,
3.13.xS	è,,†!¼±æ€§ã☞ <sup>a</sup> ã☞—	è,,

Cisco IOS <sup>a</sup>,½ãf•ãf^ã,lä,šã,çãf<sup>a</sup>ãfãf¼ã,lä☞ã☞® Cisco IOS XE <sup>a</sup>,½ãf•ãf^ã,|ã,šã,çãfããfãf¼ã,¹ã☞®ãfžãffãf"ãf³ã,°ã☞«ã☞ãã☞,,ã☞|ã☞ã☞ã☞ã€ Cisco IOS XE 2 Release Notesã€ã€ã€ã€ Cisco IOS XE 3S Release Notesã€ã€ã€ã€Šã,^ã☞³ã€ Cisco IOS XE 3SG Release Notesã€ã€ã€ã€,ã☞,ç...šã☞—ã☞|ã☞ã☞ã☞ã☞•ã☞,,ã€,

Cisco IOS XR <sup>a</sup>,½ãf•ãf^ã,lä,šã,ç



Cisco IOS XR 6.4.1, 6.4.2, 6.4.3, 6.4.4, 6.4.5, 6.4.6, 6.4.7, 6.4.8, 6.4.9, 6.4.10, 6.4.11, 6.4.12, 6.4.13, 6.4.14, 6.4.15, 6.4.16, 6.4.17, 6.4.18, 6.4.19, 6.4.20, 6.4.21, 6.4.22, 6.4.23, 6.4.24, 6.4.25, 6.4.26, 6.4.27, 6.4.28, 6.4.29, 6.4.30, 6.4.31, 6.4.32, 6.4.33, 6.4.34, 6.4.35, 6.4.36, 6.4.37, 6.4.38, 6.4.39, 6.4.40, 6.4.41, 6.4.42, 6.4.43, 6.4.44, 6.4.45, 6.4.46, 6.4.47, 6.4.48, 6.4.49, 6.4.50, 6.4.51, 6.4.52, 6.4.53, 6.4.54, 6.4.55, 6.4.56, 6.4.57, 6.4.58, 6.4.59, 6.4.60, 6.4.61, 6.4.62, 6.4.63, 6.4.64, 6.4.65, 6.4.66, 6.4.67, 6.4.68, 6.4.69, 6.4.70, 6.4.71, 6.4.72, 6.4.73, 6.4.74, 6.4.75, 6.4.76, 6.4.77, 6.4.78, 6.4.79, 6.4.80, 6.4.81, 6.4.82, 6.4.83, 6.4.84, 6.4.85, 6.4.86, 6.4.87, 6.4.88, 6.4.89, 6.4.90, 6.4.91, 6.4.92, 6.4.93, 6.4.94, 6.4.95, 6.4.96, 6.4.97, 6.4.98, 6.4.99, 6.4.100

IOS 15.1, 15.2, 15.3, 15.4, 15.5, 15.6, 15.7, 15.8, 15.9, 15.10, 15.11, 15.12, 15.13, 15.14, 15.15, 15.16, 15.17, 15.18, 15.19, 15.20, 15.21, 15.22, 15.23, 15.24, 15.25, 15.26, 15.27, 15.28, 15.29, 15.30, 15.31, 15.32, 15.33, 15.34, 15.35, 15.36, 15.37, 15.38, 15.39, 15.40, 15.41, 15.42, 15.43, 15.44, 15.45, 15.46, 15.47, 15.48, 15.49, 15.50, 15.51, 15.52, 15.53, 15.54, 15.55, 15.56, 15.57, 15.58, 15.59, 15.60, 15.61, 15.62, 15.63, 15.64, 15.65, 15.66, 15.67, 15.68, 15.69, 15.70, 15.71, 15.72, 15.73, 15.74, 15.75, 15.76, 15.77, 15.78, 15.79, 15.80, 15.81, 15.82, 15.83, 15.84, 15.85, 15.86, 15.87, 15.88, 15.89, 15.90, 15.91, 15.92, 15.93, 15.94, 15.95, 15.96, 15.97, 15.98, 15.99, 15.100

## Table

### Cisco Product Security Incident Response

Team 1^PSIRT 1^% 2014 9 24 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

2014 9 24 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

## URL

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20140924-sip>

Table 1

2014 9 24 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	2014 9 24 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
---	---

Table 2

2014 9 24 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

2014 9 24 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

2014 9 24 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

2014 9 24 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

2014 9 24 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

2014 9 24 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

## 翻訳について

シスコは世界中のユーザにそれぞれの言語でサポート コンテンツを提供するために、機械と人による翻訳を組み合わせて、本ドキュメントを翻訳しています。ただし、最高度の機械翻訳であっても、専門家による翻訳のような正確性は確保されません。シスコは、これら翻訳の正確性について法的責任を負いません。原典である英語版（リンクからアクセス可能）もあわせて参照することを推奨します。