# Cisco IOSã,½ãf•ãf^ã,¦ã,§ã,¢ã�®Session Initiation Protocol���ã,∢Denial of Service(DoS)�è,,†å½±æ€§

CVE-2011-

CVE-2011-

CVE-2011-

2072

<u>3275</u>



ã,¢ãf‰ãf�ã,¤ã,¶ãfªãf¼ID: cisco-sa-

20110928-sip

å^�å...¬é-‹æ—¥: 2011-09-28 16:00

最**qæ**>'æ–°æ—¥: 2012-09-21 19:22 <u>0939</u>

ãf �ãf¼ã,ãf§ãf³ 1.1: Final

CVSS $\tilde{a}$ ,  $\tilde{a}$ ,  $\tilde{a}$ ,  $\hat{c}$ :  $\frac{7.8}{1.8}$ 

å>žé�¿Ç-: No Workarounds available

Cisco ãf �ã,° ID: CSCti48504 CSCto88686

CSCth03022

日本語ã�«ã,^ã,‹æf...å ±ã�¯ã€�英語ã�«ã,^ã,‹åŽŸæ-‡ã�®é�žå...¬å¼�ã∢

## æ¦,è¦�

Cisco IOSã,½ãf•ãf^ã,¦ã,§ã,¢ã�Šã,^ã�³Cisco IOS XEã,½ãf•ãf^ã,¦ã,§ã,¢ã�®Session Initiation Protocol(SIP)実è£...ã�«ã�¯è¤‡æ•°ã�®è,,†å¼±æ€§ã�Œå~在ã�—ã�¾ã�™ã€,èª�証ã�•ã,Œ

 $\tilde{a},\cdot \tilde{a},^1 \tilde{a},^3 \tilde{a} \spadesuit^{-} \tilde{a} \spadesuit'' \tilde{a}, \\ \mathbb{E} \tilde{a}, \\ \% \tilde{a} \spadesuit \mathbb{R} \tilde{e}, \\ \dagger \tilde{a} \% \tilde{a} + \tilde{a} \% \tilde{a} + \tilde{a} \% \tilde{a}, \\ \tilde{a} \% \tilde$ 

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 $\underline{https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20110928-sipulational actions and the action of the$ 

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**æ³ï¹**/**4š2011**å¹′9æœ^28æ—¥ã�®Cisco

IOSã,½ãf•ãf<sup>°</sup>ã,¦ã,§ã,¢ã,»ã,ãf¥ãf<sup>°</sup>ãf†ã,£ã,¢ãf‰ãf�ã,¤ã,¶ãf°ãf�ãf‰ãf‰ãf≪å...¬é-∢ã�≪ã�¯ã€�10ä» Security

Advisory���ã,Œã�¦ã�"ã�¾ã�™ã€,9ã�¤ã�®ã,¢ãf‰ãf�ã,¤ã,¶ãfªã�¯Cisco

IOSã,½ãf•ãf^ã,¦ã,§ã,¢ã�®è,,†å¼±æ€§ã�«å¯¾å‡¦ã�—ã€�1ã�¤ã�®ã,¢ãf‰ãf�ã,¤ã,¶ãfªã�¯Ciso Unified Communications

Manager�è,,†å¼±æ€§ã�«å¯¾å‡¦ã�—ã�¾ã�™ã€,å�,,ã,¢ãf‰ãf�ã,¤ã,¶ãfªã�«ã�¯ã€�ã�"ã IOSã,½ãf•ãf^ã,¦ã,§ã,¢ãfªãfªãf¼ã,¹ã�¨ã€�2011å¹′9æœ^ã�®ãf�ãf³ãf‰ãf«å...¬é–‹ã�«å�«ã�¾ã,C

 $IOS\tilde{a}, \%\tilde{a}f^{\bullet}\tilde{a}f^{\uparrow}\tilde{a}, \mathring{a}, \S\tilde{a}, \mathring{c}\tilde{a}f^{a}\tilde{a}f^{a}\tilde{a}f^{\lambda}\tilde{a}, \mathring{a} \diamondsuit \times \tilde{e}^{*}\tilde{e}\% \tilde{a} \diamondsuit \tilde{a}, \tilde{e}\tilde{a} \diamondsuit \mathring{a} \diamondsuit \tilde{a} \diamondsuit \tilde{a} \Leftrightarrow \mathring{a}\tilde{a} \diamondsuit \tilde{a} \Leftrightarrow \tilde{a}\tilde{b} \Leftrightarrow \tilde{a}$ 

Semiannual Cisco IOS Software Security Advisory Bundled Publication��ã�,ã,Šã�¾ã�™ã€,

http://www.cisco.com/web/about/security/intelligence/Cisco ERP sep11.html

Cisco Unified Communications

Manager����ã,¢ãf‰ãf�ã,¤ã,¶ãfªã�«è¨~載ã�•ã,Œã�¦ã�"ã,‹è"†å¼±æ€§ã�®1ã� Unified Communications

Manager�影響ã,'与ã�^ã,‹è"†å¼±æ€§ã�«ã�¤ã�,ã�¦ã�¯ã€�å^¥ã�®Cisco Security Advisoryã�Œæ¬¡ã�®å ´æ‰€ã�§å...¬é-‹ã�•ã,Œã�¦ã�"ã�¾ã�™ã€,

https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20110928-cucm

### 該å¹/2"裹/2å"�

### è,,†å¹⁄₄±æ€§ã�®ã�,ã,<製å"�

Ciscoãf‡ãf�ã,¤ã,¹ã�¯ã€�SIPãf¡ãffã,»ãf¼ã,¸ã,′処ç�†ã�™ã,‹ã,^ã�†ã�«è¨å®šã�•ã,Œã�Ÿè©²å′IOSã,½ãf•ãf^ã,¦ã,§ã,¢ã�Šã,^ã�³Cisco IOS

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#### Cisco

IOSã,½ãf•ãf^ã,¦ã,§ã,¢ã�®æœ€è¿'ã�®ãf�ãf¼ã,¸ãf§ãf³ã�§ã�¯ã€�ãf‡ãf•ã,©ãf«ãf^ã�§ã�¯SIPãf peer

voiceè¨å®šã,³ãfžãf³ãf‰ã,'癰行ã�—ã�¦ãf€ã,¤ãf¤ãf«ãf″ã,¢ã,'作æ^�ã�™ã,∢ã�¨ã€�SIPãf—ã.
IOSãf‡ãf�ã,¤ã,¹ã�§SIPãf¡ãffã,»ãf¼ã,¸ã�Œå‡¦ç�†ã�•ã,Œã�¾ã�™ã€,ã�¾ã�Ÿã€�ePhoneã�
Unified Communications Manager

Express�一éf¨ã�®æ©Ÿèf½ã,,ã€�è¨å®šã�•ã,Œã,‹ã�¨SIPãf—ãfã,»ã,¹ã,′自å‹•çš"ã�«é-‹å§‹

```
dial-peer voice <Voice dial-peer tag> voip
   ...
!
```

### Cisco

IOSãf‡ãf�ã, ¤ã, ¹ã�®è "定ã, '調ã�¹ã� ¦ã€�ãf‡ãf�ã, ¤ã,¹ã�«SIPãfjãffã, »ãf¼ã, ¸ã,'å‡ ¦ç�†ã�•ã� peerã,³ãfžãf³ãf‰ã, '碰èª�ã�™ã, <ã� ã�'ã�§ã�ªã��Ç®;ç�†è€...ã� show processes | include SIPã,³ãfžãf³ãf‰ã, '使ç'`"ã�—ã� ¦ã€�Cisco IOSã,½ãf•ãf°ã, ¦ã,§ã,¢ã�ŒSIPãfjãffãã, »ãf¼ã, ã,°å‡ ¦ç�†ã�™ã, <ãf—ãfã, »ã,¹ã,'実è;Œã�—ã� ¦ã�,

IOSãf‡ãf�ã,¤ã,¹ã�¯SIPãf¡ãffã,»ãf¼ã,¸ã,'処ç�†ã�—ã�¾ã�™ã€,

<#root>

Router#

```
show processes | include SIP
```

149 Mwe 40F48254 4 1 400023108/24000 0 CCSIP\_UDP\_SOCKET 150 Mwe 40F48034 4 1 400023388/24000 0 CCSIP\_TCP\_SOCKET

注ï¹/4šCisco

 $IOS\tilde{a}, \frac{1}{2}\tilde{a}f \bullet \tilde{a}f \tilde{a}, \frac{1}{6}\tilde{a}, \frac{1}{6$ 

SIPã,³ãfžãf³ãf‰ã,'使ç''``ã�™ã,⟨ã�¨ã€�ãf‡ãf�ã,¤ã,¹ã�Œç‰¹å®šã�®è¨å®šã,³ãfžãf³ãf‰ã�®à

Cisco Unified Border

Elementã, ¤ãf;ãf¼ã, ¸ã,,ã€�ã�"ã,Œã,‰ã�®è,,†å¼±æ€§ã�®ã�†ã�;2ã�¤ã�®å½±éŸ¿ã,′å�—ã�'

æ³ï¼šCisco Unified Border Element機èf½ï¼^CUBE〕æ—§ç§°Cisco Multiservice IP-to-IP

Gateway)��Ciscoãfžãf«ãf�ã,µãf¼ãf"ã,¹ã,²ãf¼ãf°ã,¦ã,§ã,¤ãf—ãf©ãffãf°ãf•ã,©ãf¼ãf ã€IOSã,½ãf•ãf°ã,¦ã,§ã,¢ã,¤ãf¡ãf¼ã,¸ã�§ã�™ã€,課金ã€�ã,»ã,ãf¥ãfªãf†ã,£ã€�ã,³ãf¼ãf«ã,¢ãf‰ãfŸof

Service(QoS)��ã,^ã�³ã,·ã,°ãfŠãfªãf³ã,°ã,¤ãf³ã,¿ãf¼ãf¯ãf¼ã,ãf³ã,°ç"¨ã�®ãf�ãffãf^ãf¯ãf¼ã

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IOS Software" ã�,ã,⟨ã�,,ã�¯ã�"ã,Œã,‰ã�≪é;žä¼¼ã�™ã,⟨ã,¹ãf†ãf

ãf�ãfŠãf¼ã�«ã,^ã�£ã�¦ãf‡ãf�ã,¤ã,¹ã�§ Cisco IOS

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ãf‡ãf�ã,¤ã,¹ã�§ã�¯ã€�show version

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次ã�®ä¾⟨ã�¯ã€�Cisco

 $IOS\tilde{a}, \%\tilde{a}f^{\bullet}\tilde{a}f^{\circ}\tilde{a}, \tilde{a}, \tilde{a}, \tilde{a}, \tilde{a}f^{\circ}\tilde{a$ 

<#root>

Router>

#### show version

Cisco IOS Software, C3900 Software (C3900-UNIVERSALK9-M), Version 15.0(1)M1, RELEASE SOFTWARE (fc1) Technical Support: http://www.cisco.com/techsupport
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Compiled Wed 02-Dec-09 17:17 by prod\_rel\_team

!--- output truncated

#### Cisco

IOSã,½ãf•ãf°ã,¦ã,§ã,¢ã�®ãfªãf¼ã,¹å'½å��è¦�則ã�®è¿½åŠ æf...å ±ã�¯ã€�ãf›ãf¯ã,¤ãf^ãf®IOS and NX-OS Software Reference

Guideã € (http://www.cisco.com/web/about/security/intelligence/ios-

<u>ref.html</u>)ã,'å�,ç...§ã�—ã�¦ã��ã� ã�•ã�,,ã€,

#### Cisco IOS

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æ³ ï¹/4šCisco Unified Communications

Manager����ã,¢ãf‰ãf�ã,¤ã,¶ãfªã�«è¨¨è¼‰ã�•ã,Œã�¦ã�"ã,‹è"†å¼±æ€§ã�®1ã Unified Communications

Managerã� «å½±éŸ¿ã,'与ã�^ã,‹è,,†å¼±æ€§ã� «ã� ¤ã� "ã� ¦ã�¯ã€�å^¥ã� ®Cisco Security Advisoryã� Œæ¬¡ã� ®å ´æ‰€ã�§å...¬é–‹ã�•ã,Œã� ¦ã�,,ã�¾ã�™ã€,

https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20110928-cucm

## è,,†å¹⁄±æ€§ã,'å�«ã,"ã�§ã�"ã�ªã�"ã�"ã�Œç¢ºèª�ã�•ã,Œã�Ÿè£½å"�

Cisco IOSãf�ãffãf^ãf¯ãf¼ã,¯ã,¢ãf‰ãf¬ã,¹å¤‰æ�›(NAT)ã�Šã,^ã�³Cisco IOSã,½ãf•ãf^ã,¦ã,§ã,¢ã�®ãf•ã,¡ã,¤ã,¢ã,"ã,©ãf¼ãf«æ©Ÿèf½ã�§ä½¿ç"¨ã�•ã,Œã,⟨SIPã,¢ãf—ãfªã,±

Cisco IOS XR

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 $\ddot{a} \gg -\tilde{a} \diamondsuit \tilde{\mathbb{R}} \tilde{a}, \tilde{a}, \tilde{a}, \tilde{a}, \tilde{a}, \tilde{a} \Leftrightarrow \tilde{\mathbb{R}} \tilde{a}, \tilde{a} \Leftrightarrow \tilde{\mathbb{R}} \tilde{a}, \tilde{a} \Leftrightarrow \tilde{\mathbb{R}} \tilde{a}, \tilde{\mathbb{R}} \tilde$ 

## 詳ç′°

SIP��ã,¤ãf³ã,¿ãf¼ãf�ãffãf^ã�ªã�©ã�®IPãf�ãffãf^ãf¯áf¼ã,¯ã,'介ã�—ã�ŸéŸ³å£°ã�Šã,^â Layer Securityï¼^TLSã€�TCPãf�ãf¼ãf^5061)ã,'ä½çç"¨ã�§ã��ã�¾ã�™ã€,

#### Cisco

IOSã,½ãf•ãf^ã,¦ã,§ã,¢ã�®SIPã�®å®Ÿè£...ã�«ã�¯è¤‡æ•°ã�®è"†å¼±æ€§ã�Œã�,ã,Šã€�ãfªãf¢ãf½ IOSã,½ãf•ãf^ã,¦ã,§ã,¢ã,'実è;Œã�—ã�¦ã�,,ã,<ãf‡ãf�ã,¤ã,¹ã�Œå·§å¦™ã�«ç´°å·¥ã�•ã,Œã�ŸSIPã æ³ï¼šSIPã�ŒTCPãf^ãf©ãf³ã,¹ãf�ãf¼ãf^上ã�§å®Ÿè¡Œã�•ã,Œã�¦ã�"ã,‹å´å�^ã€�ã�"ã,Œã,‰ã è,,†å¼±æ€§ã�¯æ¬¡ã�®ã�¨ã�Šã,Šã�§ã�™ã€,

CSCth03022(ç<sup>TM</sup>»éŒ²ãf\ãf\¼ã,¶å°,ç'"·)ã�«ã,^ã,Šã€�該当ãf‡ãf�ã,¤ã,¹ã�®ãfªãfãf¼ãf‰ã�Œå¼•ã�• Vulnerabilities and Exposures(CVE)IDã�¨ã�—ã�¦CVE-2011-0939ã�Œå‰²ã,Šå½"ã�¦ã,‰ã,Œã�¦ã�,,ã�¾ã�™ã€,

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## å>žé�¿Ç-

該当ã�™ã,∢Cisco

IOSāf‡āf�ã,¤ã,¹ã�§VoIPã,µãf¼ãf"ã,¹ç""ã�®SIPã�Œå¿…è¦�ã�³å ′å�^ã€�SIPã,'ç"¡åйã�«ã�™ã¸ ãf�ãffãf^ãf af¼ã, a†…ã�®Ciscoãf‡ãf�ã,¤ã,¹ã�«é�©ç""å�¯èf½ã�³ä»−ã�®ç·©å'Œç−ã�«ã�¤ã amb-20110928-voiceã�<ã,‰å…¥æ‰<ã�§ã��ã�¾ã�™ã€,

## $SIP\tilde{a}f^{a}\tilde{a}, \tilde{a}f<\tilde{a}f^{3}\tilde{a}, \tilde{a}f<\tilde{a}f^{3}\tilde{a}, \tilde{a}f<\tilde{a}f^{3}\tilde{a}f^{3}\tilde{a}f$

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IOSã,½ãf•ãf^ã,¦ã,§ã,¢ã�®ä,€éf¨ã�®ãf�ãf¼ã,¸ãf§ãf³ã�§ã�¯ã€�管ç�†è€...ã�¯æ¬¡ã�®ã,³ãfžãí

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

**SIP**ã,³ãfžãf³ãf‰ã,'ä½;ç'''ã

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UDPãf�ãf¼ãfˆã�¨TCPãf�ãf¼ãfˆã�Œé-‰ã�˜ã�¦ã�"ã,‹ã�"ã�¨ã,'碰èª�ã�§ã��ã�¾ã�™ãª
使ç¨ã�—ã�¦ã�"ã,‹Cisco
IOSã,½ãf•ãfˆã,¦ã,§ã,¢ã�®ãf�ãf¼ã,¸ãf§ãf³ã�«ã,^ã�£ã�¦ã�¯ã€�SIPã�Œãf‡ã,£ã,»ãf¼ãf−ãf«ã�«ip
socketsã,³ãfžãf³ãf‰ã�®å‡°åŠ›ã�«SIPãf�ãf¼ãfˆã�Œé-‹ã�"ã�¦ã�"ã,‹ã�"ã�¨ã�Œå¼•ã�©§¶šã
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\*Jun 2 11:36:47.691: sip\_udp\_sock\_process\_read: SIP UDP Listener is DISABLED

### $\tilde{a}$ , $\tilde{a}\tilde{f}^3\tilde{a}\tilde{f}^3\tilde{a}\tilde{f}^3\tilde{a}\tilde{f}^3\tilde{a}\tilde{f}^4\tilde{a}\tilde{f}^4\tilde{a}\tilde{f}^4\tilde{a}\tilde{f}^3\tilde{a}\tilde{f}^4\tilde{a}\tilde{f}^3\tilde{a}\tilde{f}^3\tilde{a}$ , $\tilde{a}\tilde{f}^3\tilde{a}\tilde{f}$

SIPã, $\tilde{\mu}f^{1/4}\tilde{a}f^{**}\tilde{a}$ , $\tilde{a}$ , $\tilde{$ 

```
!-- The 192.168.1.0/24 network and the 172.16.1.1 host are trusted.
!-- Everything else is not trusted. The following access list is used
!-- to determine what traffic needs to be dropped by a control plane
!-- policy (the CoPP feature): if the access list matches (permit)
!-- then traffic will be dropped and if the access list does not
!-- match (deny) then 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
!-- Permit (Police or Drop)/Deny (Allow) all other Layer3 and Layer4
!-- traffic in accordance with existing security policies and
!-- configurations for traffic that is authorized to be sent
!-- to infrastructure devices.
!-- Create a Class-Map for traffic to be policed by
!-- the CoPP feature.
class-map match-all drop-sip-class
 match access-group 100
!-- Create a Policy-Map that will be applied to the
!-- Control-Plane of the device.
policy-map control-plane-policy
class drop-sip-class
 drop
```

!-- Apply the Policy-Map to the Control-Plane of the
!-- device.
control-plane
service-policy input control-plane-policy

## ä¿®æ£æ¸^ã�¿ã,½ãf•ãf^ã,¦ã,§ã,¢

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Centerï¼^TAC)ã�¾ã�Ÿã�¯å¥'ç´"ã,'çµ�ã,"ã�§ã�"ã,‹ãf¡ãf³ãf†ãfŠãf³ã,¹ ãf—ãfãf�ã,¤ãf€ãf¼ã�«ã�Šå•�ã�"å�^ã�>ã��ã� ã�•ã�"ã€,

### ���Cisco IOS Software

### Cisco IOS ã,½ãf•ãf^ã,¦ã,§ã,¢

次ã�®Cisco IOSã,½ãf•ãf^ã,¦ã,§ã,¢ãf†ãf¼ãf−ãf«ã�®å�,,行ã�¯ã€�Cisco IOSã,½ãf•ãf^ã,¦ã,§ã,¢ãf^ãf¬ã,¤ãf³ã�«å¯¾å¿œã�—ã�¦ã�,,ã�¾ã€,特定ã�®ãf^ãf¬ã,¤ãf³ã IOSã,½ãf•ãf°ã,¦ã,§ã,¢ã,»ã,ãf¥ãfªãf†ã,£ã,¢ãf‰ãf�ã,¤ã,¶ãfªãf�ãf³ãf‰ãf‰ãf%å...¬é−<ã�«å�«ã�¾ã,Œã

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Affected 12.0-Based Releases	

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Affected 12.1-Based Releases	
12.1E	è,,†å¼±æ€§ã�ªã�—
Affected 12.2-Based Releases	
12.2	è,,†å¼±æ€§ã�ªã�—
12.2B	è,,†å¼±æ€§ã�ªã�—
12.2BC	è,,†å¼±æ€§ã�ªã�—
12.2BW	è,,†å¼±æ€§ã�ªã�—
12.2BX	è,,†å¼±æ€§ã�ªã�—
12.2BY	è,,†å¼±æ€§ã�ªã�—
12.2BZ	è,,†å¼±æ€§ã�ªã�—
12.2CX	è,,†å¼±æ€§ã�ªã�—
12.2CY	è,,†å¼±æ€§ã�ªã�—
12.2CZ	è,,†å¼±æ€§ã�ªã�—
12.2DA	è,,†å¼±æ€§ã�ªã�—

12.2DD	è,,†å¼±æ€§ã�ªã�—
12.2DX	è,,†å¼±æ€§ã�ªã�—
12.2EU	è,,†å½±æ€§ã�ªã�—
12.2EW	è,,†å¼±æ€§ã�ªã�—
12.2EWA	è,,†å¼±æ€§ã�ªã�—
12.2EX	è,,†å¼±æ€§ã�ªã�—
12.2EY	è,,†å¼±æ€§ã�ªã�—
12.2EZ	è,,†å¼±æ€§ã�ªã�—
12.2FX	è,,†å¼±æ€§ã�ªã�—
12.2FY	è,,†å¼±æ€§ã�ªã�—
12.2FZ	è,,†å¼±æ€§ã�ªã�—
12.2IRA	è,,†å½±æ€§ã�ªã�—
12.2IRB	è,,†å¼±æ€§ã�ªã�—
12.2IRC	è,,†å¼±æ€§ã�ªã�—
12.2IRD	è,,†å¼±æ€§ã�ªã�—

12.2IRE	è,,†å½±æ€§ã�ªã�—
12.2IRF	è,,†å¼±æ€§ã�ªã�—
12.2IRG	è,,†å¼±æ€§ã�ªã�—
12.2IXA	è,,†å¼±æ€§ã�ªã�—
12.2IXB	è,,†å¼±æ€§ã�ªã�—
12.2IXC	è,,†å¼±æ€§ã�ªã�—
12.2IXD	è,,†å¼±æ€§ã�ªã�—
12.2IXE	è,,†å¼±æ€§ã�ªã�—
12.2IXF	è,,†å¼±æ€§ã�ªã�—
12.2IXG	è,,†å¼±æ€§ã�ªã�—
12.2IXH	è,,†å¼±æ€§ã�ªã�—
12.2JA	è,,†å¼±æ€§ã�ªã�—
12.2JK	è,,†å¼±æ€§ã�ªã�—
12.2MB	è,,†å¼±æ€§ã�ªã�—
12.2MC	è,,†å¼±æ€§ã�ªã�—

12.2MRA	è,,†å¹⁄4±æ€§ã�ªã�—
12.2 MRB	è,,†å½±æ€§ã�ªã�—
12.2S	è,,†å¼±æ€§ã�ªã�—
12.2SB	è,,†å¼±æ€§ã�ªã�—
12.2SBC	è,,†å¹⁄4±æ€§ã�ªã�—
12.2SCA	è,,†å½±æ€§ã�ªã�—
12.2SCB	è,,†å½±æ€§ã�ªã�—
12.2SCC	è,,†å½±æ€§ã�ªã�—
12.2SCD	è,,†å¼±æ€§ã�ªã�—
12.2SCE	è,,†å¼±æ€§ã�ªã�—
12.2SCF	è,,†å¼±æ€§ã�ªã�—
12.2SE	è,,†å¼±æ€§ã�ªã�—
12.2SEA	è,,†å¼±æ€§ã�ªã�—
12.2SEB	è,,†å¼±æ€§ã�ªã�—

12.2SEC	è,,†å¼±æ€§ã�ªã�—
12.2SED	è,,†å¼±æ€§ã�ªã�—
12.2SEE	è,,†å¼±æ€§ã�ªã�—
12.2SEF	è,,†å½±æ€§ã�ªã�—
12.2SEG	è,,†å½±æ€§ã�ªã�—
12.2SG	è,,†å¼±æ€§ã�ªã�—
12.2SGA	è,,†å¼±æ€§ã�ªã�—
12.2SL	è,,†å¼±æ€§ã�ªã�—
12.2SM	è,,†å¼±æ€§ã�ªã�—
12.2SO	è,,†å¼±æ€§ã�ªã�—
12.2SQ	è,,†å¼±æ€§ã�ªã�—
12.2SRA	è,,†å¼±æ€§ã�ªã�—
12.2SRB	è,,†å¼±æ€§ã�ªã�—
12.2SRC	è,,†å¼±æ€§ã�ªã�—
12.2SRD	è,,†å¼±æ€§ã�ªã�—

12.2SRE	è,,†å¹⁄4±æ€§ã�ªã�—
12.2STE	è,,†å¹⁄4±æ€§ã�ªã�—
12.2SU	è,,†å¼±æ€§ã�ªã�—
12.2SV	è,,†å¼±æ€§ã�ªã�—
12.2SVA	è,,†å¼±æ€§ã�ªã�—
12.2SVC	è,,†å¼±æ€§ã�ªã�—
12.2SVD	è,,†å¼±æ€§ã�ªã�—
12.2SVE	è,,†å¼±æ€§ã�ªã�—
12.2SW	è,,†å¼±æ€§ã�ªã�—
12.2SX	è,,†å¼±æ€§ã�ªã�—
12.2SXA	è,,†å¼±æ€§ã�ªã�—
12.2SXB	è,,†å¼±æ€§ã�ªã�—
12.2SXD	è,,†å¼±æ€§ã�ªã�—
12.2SXE	è,,†å¼±æ€§ã�ªã�—
12.2SXF	è,,†å¼±æ€§ã�ªã�—

12.2SXH	è,,†å¼±æ€§ã�ªã�—
12.2SXI	è,,†å¼±æ€§ã�ªã�—
12.2SXJ	è,,†å¼±æ€§ã�ªã�—
12.2SY	è,,†å¼±æ€§ã�ªã�—
12.2SZ	è,,†å¼±æ€§ã�ªã�—
12.2T	è,,†å¼±æ€§ã�ªã�—
12.2TPC	è,,†å¼±æ€§ã�ªã�—
12.2XA	è,,†å¼±æ€§ã�ªã�—
12.2XB	è,,†å¼±æ€§ã�ªã�—
12.2XC	è,,†å¼±æ€§ã�ªã�—
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è,,†å¹⁄4±æ€§ã�ªã�—
「 <u>Cisco IOS XEã,½ãƒ•ãƒ^ã,¦ã,§ã,¢ã�®ã,¢ãf™ã,</u> ¤ãƒ©ãƒ"リテã,£ã€�ã
è,,†å¹⁄4±æ€§ã�ªã�—
è,,†å½±æ€§ã�ªã�—
è,,†å¹⁄4±æ€§ã�ªã�—

12.2XS	è,,†å¼±æ€§ã�ªã�—
12.2XT	è,,†å¼±æ€§ã�ªã�—
12.2XU	è,,†å¼±æ€§ã�ªã�—
12.2XV	è,,†å¼±æ€§ã�ªã�—
12.2XW	è,,†å¼±æ€§ã�ªã�—
12.2YA	è,,†å¼±æ€§ã�ªã�—
12.2YB	è,,†å¼±æ€§ã�ªã�—
12.2YC	è,,†å¼±æ€§ã�ªã�—
12.2YD	è,,†å¼±æ€§ã�ªã�—
12.2YE	è,,†å½±æ€§ã�ªã�—
12.2YF	è,,†å¼±æ€§ã�ªã�—
12.2YG	è,,†å¼±æ€§ã�ªã�—
12.2YH	è,,†å¼±æ€§ã�ªã�—
12.2YJ	è,,†å¼±æ€§ã�ªã�—
12.2YK	è,,†å¹⁄4±æ€§ã�ªã�—

12.2YL	è,,†å¼±æ€§ã�ªã�—
12.2YM	è,,†å¼±æ€§ã�ªã�—
12.2YN	è,,†å¼±æ€§ã�ªã�—
12.2YO	è,,†å½±æ€§ã�ªã�—
12.2YP	è,,†å¼±æ€§ã�ªã�—
12.2YQ	è,,†å½±æ€§ã�ªã�—
12.2YR	è,,†å¼±æ€§ã�ªã�—
12.2YS	è,,†å¼±æ€§ã�ªã�—
12.2YT	è,,†å¼±æ€§ã�ªã�—
12.2YU	è,,†å¼±æ€§ã�ªã�—
12.2YV	è,,†å¼±æ€§ã�ªã�—
12.2YW	è,,†å¼±æ€§ã�ªã�—
12.2YX	è,,†å¼±æ€§ã�ªã�—
12.2YY	è,,†å¼±æ€§ã�ªã�—
12.2YZ	è,,†å¼±æ€§ã�ªã�—

12.2ZA	è,,†å¹⁄4±æ€§ã�ªã�—
12.2ZB	è,,†å½±æ€§ã�ªã�—
12.2ZC	è,,†å¼±æ€§ã�ªã�—
12.2ZD	è,,†å¼±æ€§ã�ªã�—
12.2ZE	è,,†å¼±æ€§ã�ªã�—
12.2ZF	è,,†å¼±æ€§ã�ªã�—
12.2ZG	è,,†å¼±æ€§ã�ªã�—
12.2ZH	è,,†å¼±æ€§ã�ªã�—
12.2ZJ	è,,†å¼±æ€§ã�ªã�—
12.2ZL	è,,†å¼±æ€§ã�ªã�—
12.2ZP	è,,†å¼±æ€§ã�ªã�—
12.2ZU	è,,†å¼±æ€§ã�ªã�—
12.2ZX	è,,†å¼±æ€§ã�ªã�—
12.2ZY	è,,†å¼±æ€§ã�ªã�—
12.2ZYA	è,,†å½±æ€§ã�ªã�—

### **Affected 12.3-Based Releases**

該当ã�™ã,‹ 12.3 ベーã,¹ã�®ãƒªãƒªãƒ¼ã,¹ã�¯ã�,ã,Šã�¾ã�>ã,"ã€,

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;†å¼±æ€§ã�ªã�—
2.4(24)GC4
†å¼±æ€§ã�ªã�—
;†å¼±æ€§ã�ªã�—
†å¼±æ€§ã�ªã�—

12.4JMB	è,,†å½±æ€§ã�ªã�—
12.4JX	è,,†å¼±æ€§ã�ªã�—
12.4JY	è,,†å¼±æ€§ã�ªã�—
12.4MD	è,,†å¼±æ€§ã�ªã�—
12.4MDA	è,,†å¼±æ€§ã�ªã�—
12.4MDB	è,,†å¼±æ€§ã�ªã�—
12.4MR	12.4(6)MR1以å‰�ã�®ãƒªãƒªãƒ¼ã,¹ã�«ã�¯è"†å¼±æ€§ã�¯ã�,ã,Šã
12.4 MRA	è,,†å¼±æ€§ã�Œå~在ã�—ã�¾ã�™ã€,ã�"ã�®ã,¢ãƒ‰ãƒ�ã,¤ã,¶ã
12.4 MRB	è,,†å¼±æ€§ã�,ã,Šã€,最å^�ã�®ä¿®æ£ã�¯ <u>リリーã,¹12.4T</u>
12.4SW	è,,†å¼±æ€§ã�ªã�—
12.4T	12.4(24)T6 12.4(15)T16
12.4XA	è,,†å¼±æ€§ã�ªã�—
12.4XB	è,,†å¼±æ€§ã�ªã�—
12.4XC	è,,†å¼±æ€§ã�,ã,Šï¼^リリーã,¹12.4Tã�§æœ€å^�ã�«ä¿®æ£ï¼‰

	70
12.4XD	è,,†å¼±æ€§ã�ªã�—
12.4XE	è,,†å¼±æ€§ã�ªã�— è,,†å¼±æ€§ã�,ã,Šï¼^リリーã,¹12.4Tã�§æœ€å^�ã�«ä¿®æ£ï¼‰
12.4XF	è,,†å¼±æ€§ã�ªã�—
12.4XG	12.4(9)XG1以å‰�ã�®ãfªãfªãf¼ã,¹ã�«ã�¯è"†å¼±æ€§ã�¯ã�,ã,Šã ãfªãfªãf¼ã,¹12.4(9)XG3以é™�ã�«ã�¯è"†å¼±æ€§ã�¯ã�,ã,Šã�¾ã∢
12.4XJ	è,,†å¼±æ€§ã�ªã�— è,,†å¼±æ€§ã�,ã,Šï¼^リリーã,¹12.4Tã�§æœ€å^�ã�«ä¿®æ£ï¼‰
12.4XK	è,,†å¼±æ€§ã�ªã�—
12.4XL	è,,†å¼±æ€§ã�Œå~在ã�—ã�¾ã�™ã€,ã�"ã�®ã,¢ãƒ‰ãƒ�ã,¤ã,¶ã
12.4XM	12.4(15)XM以å‰�ã�®ãfªãfªãf¼ã,¹ã�«ã�¯è"†å¼±æ€§ã�¯ã�,ã,Šã ãfªãfªãf¼ã,¹12.4(15)XM3以é™�ã�«ã�¯è"†å¼±æ€§ã�¯ã�,ã,Šã�¾ã
12.4XN	è,,†å½±æ€§ã�ªã�—
12.4XP	è,,†å¹⁄4±æ€§ã�ªã�—
12.4XQ	è,,†å¼±æ€§ã�³ã�—
12.4XR	è,,†å¼±æ€§ã�ªã�—

12.4XT	è,,†å¹⁄₄±æ€§ã�ªã�—
12.4XV	è,,†å¼±æ€§ã�ªã�—
12.4XW	è,,†å¼±æ€§ã�,ã,Šã€,最å^�ã�®ä¿®æ£ã�¯ <u>リãƒãƒ⁴ã,¹12.4T</u>
12.4XY	è,,†å¼±æ€§ã�,ã,Šã€,最å^�ã�®ä¿®æ£ã�¯ <u>リンーã,¹12.4T</u>
12.4XZ	è,,†å¼±æ€§ã�,ã,Šã€,最å^�ã�®ä¿®æ£ã�¯ <u>リリーã,¹12.4T</u>
12.4YA	è,,†å¼±æ€§ã�,ã,Šã€,最å^�ã�®ä¿®æ£ã�¯ <u>リリーã,¹12.4T</u>
12.4YB	è,,†å¼±æ€§ã�Œå~在ã�—ã�¾ã�™ã€,ã�"ã�®ã,¢ãƒ‰ãƒ�ã,¤ã,¶ã
12.4YD	è,,†å¼±æ€§ã�ªã�—
12.4YE	è,,†å¼±æ€§ã�ªã�—
12.4YG	è,,†å¼±æ€§ã�ªã�—
影響ã,'å�—ã�'ã,‹ 15.0 ベーã,¹ã�®ãƒªãƒªãƒ¼ã,¹	
15.0M	15.0(1)M7
15.0MR	è,,†å¼±æ€§ã�ªã�—
15.0 MRA	è,,†å¼±æ€§ã�ªã�—
15.0ç§'	è,,†å¼±æ€§ã�ªã�—

Cisco IOS XEデãƒ�ã,¤ã,¹ï¼šã€Œ <u>Cisco IOS XEã,½ãƒ•ãƒ^ã,¦ã,§ã,¢ã�®ã,</u>
è,,†å¼±æ€§ã�ªã�—
è,,†å¼±æ€§ã�ªã�—
Cisco IOS XEデãƒ�ã,¤ã,¹ï¼šã€Œ <u>Cisco IOS XEã,½ãƒ•ãƒ^ã,¦ã,§ã,¢ã�®ã,</u>
è,,†å¼±æ€§ã�,ã,Šã€,最å^�ã�®ä¿®æ£ã�¯ <u>リリーã,¹15.1T</u>
Cisco IOS XEデãƒ�ã,¤ã,¹ï¼šã€Œ <u>Cisco IOS XEã,½ãƒ•ãƒ^ã,¦ã,§ã,¢ã�®ã,</u>
è,,†å¼±æ€§ã�ªã�—
è,,†å¼±æ€§ã�,ã,Šã€,最å^�ã�®ä¿®æ£ã�¯ <u>リリーã,¹15.1T</u>
15.1(4)M1
è,,†å¼±æ€§ã�ªã�—
è,,†å¼±æ€§ã�ªã�— Cisco IOS XEデãƒ�ã,¤ã,¹ï¼šã€Œ <u>Cisco IOS XEã,½ãƒ•ãƒ^ã,¦ã,§ã,¢ã�®ã,</u>
15.1(2)T4 15.1(3)T2

15.1XB	15.1(4)XB5	
影響ã,'å�—ã�'ã,‹ 15.2 ベーã,¹ã�®ãƒªãƒªãƒ¼ã,¹		
影響ã,'å�—ã�'ã,‹ 15.2 ベーã,¹ã�®ãƒªãƒ¾ã,¹ã�¯ã�,ã,Šã�¾ã�›ã,"ã€,		

## Cisco IOS XE $\tilde{a}$ ,½ $\tilde{a}$ f• $\tilde{a}$ f^ $\tilde{a}$ , $|\tilde{a}$ , $|\tilde{a}$ , $|\tilde{a}$

Cisco IOS XEãfªãfªãf¼ã,¹	First Fixed Releaseï¼^ä;®æ£ã�•ã,Œã�Ÿæœ€å^�ã�®ãƒªãƒªãƒ¼ã,¹ï¼‰	2011å¹′9æœ^ã�® <b>ãƒ</b> ∘
2.1.x	è,,†å¼±æ€§ã�³ã�—	è,,†å¼±æ€§ã�,ã,Šã€
2.2.x	è,,†å½±æ€§ã�ªã�—	è,,†å¹⁄₄±æ€§ã�,ã,Šã€
2.3.x	è,,†å¹⁄4±æ€§ã�ªã�—	è,,†å¹⁄₄±æ€§ã�,ã,Šã€
2.4.x	è,,†å¹⁄4±æ€§ã�³ã�—	è,,†å¹⁄4±æ€§ã <b>�</b> ,ã,Šã€
2.5.x	3.1.3S	è,,†å¹⁄4±æ€§ã <b>�</b> ,ã,Šã€
2.6.x	3.1.3S	è,,†å¹⁄4±æ€§ã <b>�,</b> ã,Šã€
3.1.xS	3.1.3S	è,,†å¹⁄4±æ€§ã <b>�</b> ,ã,Šã€
3.1.xSG	è,,†å½±æ€§ã�³ã�—	è,,†å¹⁄4±æ€§ã <b>�</b> ,ã,Šã€
3.2.xS	3.2.1S	è,,†å¹⁄₄±æ€§ã <b>�</b> ,ã,Šã€

3.2.xSG	è,,†å½±æ€§ã�ªã�—	è,,†å¼±æ€§ã <b>�</b> ªã�—
3.3.xS	è,,†å¹⁄₄±æ€§ã�³ã�—	3.3.2S
3.4.xS	è,,†å¹⁄₄±æ€§ã�ªã�—	è,,†å¼±æ€§ã�ªã�—

#### Cisco IOS XEã Cisco

IOSãfªãfªãf¼ã,¹ã�®ãfžãffãf″ãf³ã,°ã�«ã�¤ã�,ã�¦ã�¯ã€�ã��ã,Œã�žã,Œ

http://www.cisco.com/en/US/docs/ios/ios xe/2/release/notes/rnasr21.html#wp2310700ã

http://www.cisco.com/en/US/docs/ios/ios\_xe/3/release/notes/asr1k\_rn\_3s\_sys\_req.html#wp2999052ã

http://www.cisco.com/en/US/docs/switches/lan/catalyst4500/release/note/OL 24726.html#wp2570252�å...¥æ%

IOS XE 2ãfªãf⁴ãf¼ã,¹ãfŽãf¼ãf^ã€�『Cisco IOS XE

3Sãfªãf¾ã,¹ãfŽãf¼ãf^ã€�ã€�ã�Šã,^ã�³ã€ŽCisco IOS XE

3SGãfªãfªãf¼ã,¹ãfŽãf¼ãf^ã€�ã,'å�,ç...§ã�—ã�¦ã��ã� ã�•ã�,,ã€,

### Cisco IOS XRã, ·ã, ¹ãf†ãf ã, ½ãf•ãf°ã, ¦ã, §ã, ¢

#### Cisco IOS

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## �æ£åˆ©ç″¨ä°‹ä¾‹ã�¨å...¬å¼�癰表

��ã,¢ãf‰ãf�ã,¤ã,¶ãfªã�§èª¬æ~Žã�•ã,Œã�¦ã�"ã,‹è"†å¼±æ€§ã�®å...¬è¡¨ã,"æ,ªç″¨ã�«é−Cisco PSIRT ã�«ã�¯å¯,ã�>ã,‰ã,Œã�¦ã�,,ã�>ã,"ã€,

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### **URL**

https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20110928-sip

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$\tilde{a}f^{a}\tilde{a}f``\tilde{a},_{\tilde{a}}f\S\tilde{a}f^{3}$ 1.1	2011å¹′9æœ^30æ—¥	IOSã,½ãƒ•ãƒ^ã,¦ã,§ã,¢ãƒ†ãƒ¼ãƒ–ルãƒ�ンドルå¬é-∢ã�®æœ€
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### 翻訳について

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