

Cisco

IOSã,½ãf•ãf^ã,|ã,§ã,cã?®è¤‡æ•°ã?®ãfžãf«ãf?



ã,çãf‰oãf♦ã,¤ã,¶ãfããf%ID : cisco-sa-

[CVE-2008-](#)

20080924-multicast

[3808](#)

å^♦å...¬é-[æ](#)-¥ : 2008-09-24 16:00

[CVE-2008-](#)

ãf♦ãf%4ã,ãf§ãf³ 1.3 : Final

[3809](#)

CVSSã,¹ã,³ã,c : [7.8](#)

å›žé♦¿ç- : No Workarounds available

Cisco ãf♦ã,º ID : [CSCsl34355 CSCsd95616](#)

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2 ç°å·¥ ã?•ã,Œã?Ý Protocol Independent Multicast

ï¼^PIMï¼‰oãfã,±ãffãf^ã?®è,,†å¼±æ€§ã?¬ã,µãf%4ã?“ã,¹æ[’]å?!

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<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-multicast>

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æ³?: 2008 å¹' 9æœ^ 24 æ—¥ IOS

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- <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-iosips>
- <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-ssl>

- <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-sip>
- <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-cucm>
- <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-vpn>
- <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-mfi>
- <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-ipc>
- <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-ubr>
- <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-sccp>
- <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-iosfw>
- <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-l2tp>

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 ãfçãf¹/₄ãf%oã♦®ã♦Ýã,♦ã♦«è”å®šã♦•ã,Œã♦¾ã♦™ã€,

<#root>

Router#

```
show running-config | include ip pim
ip pim sparse-dense-mode
```

Cisco IOSã½ãf♦ã,¤ã,¹ã♦®å^ç””å♦”è£¹/₂ã♦ PIM
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 EXEC show ip pim interface ã,³ãfžãf³ãf%oã,’ã€♦ä½¿ç”“ã♦—ã♦|ã,ã♦[”]ã♦[”]:

<#root>

Router#

show ip pim interface

Address	Interface	Ver/ Mode	Nbr Count	Query Intvl	DR Prior	DR
10.1.0.1	GigabitEthernet0/0	v2/SD	0	30	1	10.1.0.1
10.6.0.1	GigabitEthernet0/1	v2/SD	1	30	1	10.6.0.2

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router>show version

Cisco IOS Software, 7200 Software (C7200-ADVSECURITYK9-M), Version 12.4(6)T2, RELEASE SOFTWARE (fc1)
Technical Support: <http://www.cisco.com/techsupport>
Copyright (c) 1986-2006 by Cisco Systems, Inc.
Compiled Tue 16-May-06 16:09 by kellythw
<more output removed for brevity>

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IOSãftäf♦ã,¤ã,¹ã♦—è,,†å¼±ã♦§ã♦—ã♦ªã♦,,ã♦§ã♦™ã€, Cisco IOS XR

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```
<#root>

Router(config-if)#
ip pim dense-mode

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```

```
<#root>

Router(config-if)#
ip pim sparse-mode

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```

```
<#root>

Router(config-if)#
ip pim sparse-dense-mode
```

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- CSCsl34355 - GSR ã¤“ã,¤æ£ ã¤“ãfžãf¤ã,ã,ãf¤ã,¹ãf”
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CVE-2008-3808 ã¤Šã,“ã¤¾ CVE-2008-3809 ã¤“å%o²ã,Šå½“ã¤|ã,%oã,Œã¤¾ã¤—ã¤Ýã€,

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æ¬;ã¤®å›žé¤¿ç-ã¤“Cisco ãf¤ã,° ID CSCsd95616
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ã, 'å—ã'å—ã, <å...è | ãæãŒã, ã, Šã ¾ã™ã€, PIM éš£æŽ¥æ€§ã—ã ¾ã Ÿ
 Designated Router i¼^DRi¼%oé, æŠžã€ DR ãf•ã, Šãf½ãf«ã, ¾ãf½ãf ãf½ã€ ã, Šã, ^ã ³/PIM
 åš å...¥/Prune ã, /ã, µãf½ãf^ é€æä¿j
 ã™ã, <ã®ã Ÿ, ãæã®åçæžå—è«¾ãfjäffä, »ãf½ã, ã§æ™ã€, è | ã®å®š
 ã™ã, <ã Ÿ, ?ã« PIM
 éš£æŽ¥ã, 'ã€æ½ç'' ã—ã ¾ã™æ¬jã®æ¾ã«çæ°ã™ã, ^ã†ã« ip pim neighbor-filter
 ã, ³ãfžãf³ãf%oã, 'ã€æä¿jé ¼ã—ã ¾ã—ã Ÿ:

```
<#root>
```

```
Router(config)#
access-list 1 permit host 10.10.10.123
```

```
!-- An access control list is created to allow a trusted PIM neighbor
!-- in this example the neighbor is 10.10.10.123
!
```

```
Router(config)#
interface fastEthernet 0/0
```

```
Router(config-if)#
ip pim neighbor-filter 1
```

```
!-- The PIM neighbor filter is then applied to the respective interface(s)
```

ip pim neighbor-filter ã, ³ãfžãf³ãf%oã — Hellosã€åš å...¥/Pruneã€ã Ÿ, ^ã ³ BSR
 ãf'ã, ±äffäf^ã, 'ã«ã, éæä¿jé ¼ã, ã, ^ã, ã, ^ã, „ãf‡äf ã, ã, ¹ã, %oã® PIM
 ãf'ã, ±äffäf^ã, 'ãf•ã, ïäf«ã, ^ãf³ã, °ã—ã ¾ã™ã€,

æ³": ã“ã®æ¬‡æ, ã“è³¬æ~žãŒã, ã, <è,, †å½±æ€§ã—ã, ¹ãf—ãf½ãf•ã, ïäf³ã, °ã•ã, Æã Ÿ IP
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 ã, Çãf%oãf¬ã, ¹ã, 'çŸ¥ãŒä | ã, „ã, <å`å`^ã, ñæfå`ç””ã™ã, <ã“ãŒä Ÿ ãŒä Ÿ ã ¾ã™ã€,

ã, ïäf³ãf•ãf©ã, ¹ãf^ãf©ã, ãfŒäf£

ãf‡äf ã, ã, ¹ã, 'ä¿è·ã—ã€Œäf³ã, ¹ã, 'ã€Œç’æŽ¥ã, ïäf³ãf•ãf©ã, ¹ãf^ãf©ã, ãfŒäf£, œfæä¾µå...¥
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 ã, 'å±·é<ã™ã, <ã, ^ãŒä Ÿ «åŠŒè”€ãŒä Ÿ, Æã ¾ãŒä Ÿ, PIM ãŒä Ÿ IP ãf—ãfäf^ã, ³ãf« 103
 ãŒä Ÿ, TMã€,

è½åŠ å›žé¢ç-ã€¢ç®¡ç¢†è€...ã¢“ã¢—ã¢!å‰²ã, å½“ã¢æ—çå~ã¢®ã, »ã, ãƒ¥ãƒªãƒ†ã, ãƒã¢ãƒªã
 ãƒ‡ãƒ¢ã, æ„¹ã¢«é¢ä¿j ã¢•ã, æ„¹ã¢æ‰¿è¤ã¢•ã, æ„¹ã¢Ý PIM i¼^IP ãf—ãƒãƒ^ã, ³ãf«
 103i¼‰ãƒ^ãf©ãƒ•ã, ãƒffã, ã¢ æ~Zç¤ºçš,,ã¢«ã¢§ã¢¾ã¢¾ã¢™ã€, ACL
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 !

ip access-list extended Infrastructure-ACL-Policy

!
 !-- When applicable, include explicit permit statements for trusted
 !-- sources that require access on the vulnerable protocol
 !-- PIM routers need to communicate with the rendezvous point (RP).
 !-- In this example, 192.168.100.1 is the IP address of the
 !-- rendezvous point, which is a trusted host that requires access
 !-- to and from the affected PIM devices.
 !

permit pim host 192.168.100.1 192.168.60.0 0.0.0.255
 permit pim 192.168.60.0 0.0.0.255 host 192.168.100.1

!
 !-- Permit PIM segment traffic, packets have destination of:
 !-- 224.0.0.13 (PIMv2)
 !-- 224.0.0.2 (Required only by legacy PIMv1)
 !

permit pim 192.168.60.0 0.0.0.255 host 224.0.0.13
 permit pim 192.168.60.0 0.0.0.255 host 224.0.0.2

!
 !-- The following vulnerability-specific access control entries
 !-- (ACEs) can aid in identification of attacks
 !

deny pim any 192.168.60.0 0.0.0.255

!
 !-- Explicit deny ACE for traffic sent to addresses configured within
 !-- the infrastructure address space
 !

deny ip any 192.168.60.0 0.0.0.255

!
 !-- Permit/deny all other Layer 3 and Layer 4 traffic in accordance
 !-- with existing security policies and configurations
 !
 !-- Apply iACL to interfaces in the ingress direction
 !

interface GigabitEthernet0/0
 ip access-group Infrastructure-ACL-Policy in

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"Cisco Applied Intelligence companion document" ã,^ã,Šå...¥æ%o<åèf½ã®§ã®™ã€,
<http://tools.cisco.com/security/center/content/CiscoAppliedMitigationBulletin/cisco-amb-20080924-multicast>ã€,

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Affected 12.0-Based Releases	First Fixed Releaseï¼æ®æ£ã®•ã,Œã®¥æœ€å^♦ã®ãfãf½ã,¹i/4%o	æž“å¥“ãfãf½ã,¹
12.0	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0DA	Release prior to 12.0(8)DA3 are vulnerableï¼Œ releases 12.0(8)DA3	12.2(12)DA13

	and later are not vulnerable; first fixed in 12.2DA	12.4(15)T7 12.4(18c)
12.0DB	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0DC	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0S	12.0(32)S8 12.0(33)S	12.0(32)S11 12.0(33)S1
12.0SC	Vulnerable; first fixed in 12.0S	12.0(32)S11 12.0(33)S1
12.0SL	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0SP	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0ST	Vulnerable; first fixed in 12.0S	12.0(32)S11 12.0(33)S1
12.0SX	Vulnerable; first fixed in 12.0S	12.0(32)S11 12.0(33)S1
12.0SY	12.0(32)SY5	12.0(32)SY7; 29-

		SEP-08 ã¢§å^ç'' å¢—è½
12.0SZ	12.0(30)SZ4	12.0(32)S11 12.0(33)S1
12.0T	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0W	Vulnerable; first fixed in 12.2	12.0(3c)W5(8)
12.0WC	Release prior to 12.0(5)WC10 are vulnerableï¼Œ releases 12.0(5)WC10 and later are not vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0WT	è, †å¼±æ€§ã¢ªã¢—	
12.0XA	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XB	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XC	Release prior to 12.0(2)XC2 are vulnerableï¼Œ releases 12.0(2)XC2 and later are not vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XD	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XE	Vulnerable; first fixed in 12.2	12.4(15)T7

		12.4(18c)
12.0XF	è, † ¢ ± æ € § ã ◊ ª ã ◊ —	
12.0XG	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XH	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XI	Release prior to 12.0(4)XI2 are vulnerable; releases 12.0(4)XI2 and later are not vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XJ	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XK	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XL	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XM	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XN	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)

12.0XQ	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XR	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XS	è, † ± æ € § ª º —	
12.0XT	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.0XV	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
Affected 12.1-Based Releases	<p style="text-align: center;">First Fixed</p> <p>Releaseï¼æ®æ£ã¢•ã,Œã¢Ýæœ€å^¢ã¢®ãƒ¤ãƒ¤ãƒ½ã, 1ï¼%oo</p>	æŽ·å¥·ãƒ¤ãƒ¤ãƒ½ã, 1
12.1	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1AA	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1AX	Vulnerable; first fixed in 12.2EY	12.2(46)SE
12.1AY	Release prior to 12.1(22)AY1 are vulnerableï¼Œ releases 12.1(22)AY1 and later are not vulnerable; first fixed in 12.1EA	12.1(22)EA12 12.2(46)SE

12.1AZ	è, † à¼± æ € § ã ª ã º —	
12.1CX	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1DA	Vulnerable; first fixed in 12.2DA	12.2(12)DA13 12.4(15)T7 12.4(18c)
12.1DB	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1DC	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1E	12.1(27b)E2	12.2(18)SXF15
12.1EA	12.1(22)EA10	12.1(22)EA12
12.1EB	Vulnerable; contact TAC	
12.1EC	Vulnerable; first fixed in 12.3BC	12.2(33)SCA1 12.3(23)BC4
12.1EO	Vulnerable; first fixed in 12.2SV	
12.1EU	Vulnerable; first fixed in 12.2EWA	12.2(25)EWA14 12.2(31)SGA8

		12.2(46)SG1
12.1EV	è, † à¼± æ € § ã♦ ª ã♦ —	
12.1EW	Vulnerable; first fixed in 12.2	12.2(25)EWA14 12.2(31)SGA8 12.2(46)SG1 12.4(15)T7 12.4(18c)
12.1EX	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1EY	Vulnerable; contact TAC	
12.1EZ	Vulnerable; first fixed in 12.1E	12.2(18)SXF15 12.4(15)T7 12.4(18c)
12.1GA	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1GB	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1T	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)

12.1XA	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XB	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XC	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XD	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XE	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XF	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XG	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XH	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XI	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XJ	Vulnerable; first fixed in 12.2	12.4(15)T7

		12.4(18c)
12.1XL	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XM	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XP	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XQ	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XR	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XS	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XT	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XU	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XV	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)

12.1XW	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XX	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XY	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1XZ	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1YA	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1YB	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1YC	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1YD	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1YE	Release prior to 12.1(5)YE6 are vulnerable; releases 12.1(5)YE6 and later are not vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1YF	Vulnerable; first fixed in 12.2	12.4(15)T7

		12.4(18c)
12.1YH	Vulnerable; first fixed in 12.2	12.4(15)T7 12.4(18c)
12.1YI	Vulnerable; contact TAC	
12.1YJ	è,,†à¼±æ€§ã♦ªã♦—	
Affected 12.2-Based Releases	First Fixed Releasei¼ä;®æ£ã♦•ã,Œã♦Ýæœ€å^♦ã♦®ãƒ¤ãƒ¤ãƒ¼ã,¹i¼%oo	æŽ·å¥·ãƒ¤ãƒ¤ãƒ¼ã,¹
12.2	12.2(26c) 12.2(27c) 12.2(28d) 12.2(29b) 12.2(46)	12.4(15)T7 12.4(18c)
12.2B	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2BC	Vulnerable; first fixed in 12.3	12.2(33)SCA1 12.3(23)BC4 12.4(15)T7 12.4(18c)
12.2BW	Vulnerable; first fixed in 12.3	12.4(15)T7

		12.4(18c)
12.2BX	Vulnerable; first fixed in 12.3	12.2(33)SB2; 26-SEP-08 ã♦§å^©ç'' å♦¬èƒ½ 12.4(15)T7 12.4(18c)
12.2BY	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2BZ	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2CX	Vulnerable; first fixed in 12.3	12.2(33)SCA1 12.3(23)BC4 12.4(15)T7 12.4(18c)
12.2CY	Vulnerable; first fixed in 12.3	12.2(33)SCA1 12.3(23)BC4 12.4(15)T7 12.4(18c)
12.2CZ	Vulnerable; first fixed in 12.2S	12.2(33)SB2; 26-SEP-08 ã♦§å^©ç'' å♦¬èƒ½
12.2DA	12.2(10)DA9	12.2(12)DA13

	12.2(12)DA13	
12.2DD	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2DX	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2EW	Vulnerable; first fixed in 12.2EWA	12.2(25)EWA14 12.2(31)SGA8 12.2(46)SG1
12.2EWA	12.2(25)EWA10 12.2(25)EWA11	12.2(25)EWA14
12.2EX	12.2(37)EX	12.2(35)EX2
12.2EY	12.2(37)EY	
12.2EZ	Vulnerable; first fixed in 12.2SEE	12.2(46)SE
12.2FX	è,,†à¼±æ€§ã¤ªã¤—	
12.2FY	è,,†à¼±æ€§ã¤ªã¤—	
12.2FZ	Vulnerable; æœ€å¤ã¤®ä¿®æ£ã¤— 12.2SE	12.2(46)SE
12.2IRB	è,,†à¼±æ€§ã¤ªã¤—	

12.2IXA	Vulnerable; migrate to any release in 12.2IXE	12.2(18)IXG
12.2IXB	Vulnerable; migrate to any release in 12.2IXE	12.2(18)IXG
12.2IXC	Vulnerable; migrate to any release in 12.2IXE	12.2(18)IXG
12.2IXD	Vulnerable; migrate to any release in 12.2IXE	12.2(18)IXG
12.2IXE	è,,†à¼±æ€§ã¤ªã¤—	
12.2IXF	è,,†à¼±æ€§ã¤ªã¤—	
12.2IXG	è,,†à¼±æ€§ã¤ªã¤—	
12.2JA	è,,†à¼±æ€§ã¤ªã¤—	
12.2JK	è,,†à¼±æ€§ã¤ªã¤—	
12.2MB	Vulnerable; first fixed in 12.2SW	12.2(25)SW12 12.4(15)T7 12.4(18c)
12.2MC	12.2(15)MC2i	12.4(15)T7 12.4(18c)
12.2S	12.2(14)S18 12.2(18)S13 12.2(20)S13 12.2(25)S13	12.2(33)SB2; 26-SEP-08 ã¤§ã¤©ç''..å¤“èƒ½

12.2SB	12.2(28)SB7 12.2(31)SB5 12.2(33)SB	12.2(33)SB2; 26-SEP-08 ã§ã©ç”‘åèƒ½
12.2SBC	Vulnerable; first fixed in 12.2SB	12.2(33)SB2; 26-SEP-08 ã§ã©ç”‘åèƒ½
12.2SCA	è,,†å¼±æ€§ãªã—	
12.2SE	12.2(35)SE4 12.2(37)SE	12.2(46)SE
12.2SEA	Vulnerable; first fixed in 12.2SEE	12.2(46)SE
12.2SEB	Vulnerable; first fixed in 12.2SEE	12.2(46)SE
12.2SEC	Vulnerable; first fixed in 12.2SEE	12.2(46)SE
12.2SED	Vulnerable; first fixed in 12.2SEE	12.2(46)SE
12.2SEE	12.2(25)SEE4	12.2(46)SE
12.2SEF	è,,†å¼±æ€§ãªã—	
12.2SEG	12.2(25)SEG3	12.2(25)SEG6
12.2SG	12.2(25)SG3 12.2(31)SG3	12.2(46)SG1

	12.2(37)SG	
12.2SGA	12.2(31)SGA2	12.2(31)SGA8
12.2SL	è,,†å¼±æ€§ã¤ªã¤—	
12.2SM	12.2(29)SM3	12.2(29)SM4
12.2SO	Vulnerable; first fixed in 12.2SV	
12.2SRA	12.2(33)SRA4	12.2(33)SRB4 12.2(33)SRC2
12.2SRB	è,,†å¼±æ€§ã¤ªã¤—	
12.2SRC	è,,†å¼±æ€§ã¤ªã¤—	
12.2SU	Vulnerable; æœ€å¤ã¤®ä¿®æƒã¤— 12.4	12.4(15)T7 12.4(18c)
12.2SV	12.2(29b)SV1	
12.2SVA	è,,†å¼±æ€§ã¤ªã¤—	
12.2SVC	è,,†å¼±æ€§ã¤ªã¤—	
12.2SVD	è,,†å¼±æ€§ã¤ªã¤—	
12.2SW	12.2(25)SW12	12.2(25)SW12

12.2SX	Vulnerable; æœ€åã®ä;®æƒã— 12.2SXF	12.2(18)SXF15
12.2SXA	Vulnerable; æœ€åã®ä;®æƒã— 12.2SXF	12.2(18)SXF15
12.2SXB	Vulnerable; æœ€åã®ä;®æƒã— 12.2SXF	12.2(18)SXF15
12.2SXD	Vulnerable; æœ€åã®ä;®æƒã— 12.2SXF	12.2(18)SXF15
12.2SXE	Vulnerable; æœ€åã®ä;®æƒã— 12.2SXF	12.2(18)SXF15
12.2SXF	12.2(18)SXF9	12.2(18)SXF15
12.2SXH	è,†å¼±æ€§ã³ã—	
12.2SY	Vulnerable; first fixed in 12.2S	12.2(33)SB2; 26-SEP-08 ã§å^©ç”‘ å—èƒ½
12.2SZ	Vulnerable; first fixed in 12.2S	12.2(33)SB2; 26-SEP-08 ã§å^©ç”‘ å—èƒ½
12.2T	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2TPC	Vulnerable; contact TAC	
12.2XA	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)

12.2XB	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XC	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XD	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XE	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XF	Vulnerable; first fixed in 12.3	12.2(33)SCA1 12.3(23)BC4 12.4(15)T7 12.4(18c)
12.2XG	Release prior to 12.2(2)XG1 are vulnerable; releases 12.2(2)XG1 and later are not vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XH	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XI	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XJ	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)

12.2XK	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XL	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XM	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XN	12.2(33)XN1	12.2(33)SB2; 26-SEP-08 ã§ãç"ãèf½ 12.2(33)SRC2 12.2(33)XNA2
12.2XNA	è,,†å¼±æ€§ãã—	
12.2XNB	è,,†å¼±æ€§ãã—	
12.2XO	è,,†å¼±æ€§ãã—	
12.2XQ	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XR	Release prior to 12.2(15)XR are vulnerableï¼Œ releases 12.2(15)XR and later are not vulnerable; first fixed in 12.3	12.3(8)JEA3 12.4(15)T7 12.4(18c)
12.2XS	Vulnerable; first fixed in 12.3	12.4(15)T7

		12.4(18c)
12.2XT	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XU	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XV	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2XW	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2YA	Vulnerable; first fixed in 12.3	12.4(15)T7 12.4(18c)
12.2YB	Vulnerable; contact TAC	
12.2YC	Vulnerable; contact TAC	
12.2YD	Vulnerable; contact TAC	
12.2YE	Vulnerable; contact TAC	
12.2YF	Vulnerable; contact TAC	
12.2YG	Vulnerable; contact TAC	

12.2YH	Vulnerable; contact TAC	
12.2YJ	Vulnerable; contact TAC	
12.2YK	Vulnerable; contact TAC	
12.2YL	Vulnerable; contact TAC	
12.2YM	Vulnerable; <u>æœ€åã®ä;®æ£ã— 12.4</u>	12.4(15)T7 12.4(18c)
12.2YN	Vulnerable; contact TAC	
12.2YO	Vulnerable; contact TAC	
12.2YP	Vulnerable; <u>first fixed in 12.3</u>	12.4(15)T7 12.4(18c)
12.2YQ	Vulnerable; contact TAC	
12.2YR	Vulnerable; contact TAC	
12.2YS	è, †å¼±æ€§ãªã—	
12.2YT	Vulnerable; contact TAC	
12.2YU	Vulnerable; contact TAC	
12.2YV	Vulnerable; contact TAC	

12.2YW	Vulnerable; contact TAC	
12.2YX	Vulnerable; contact TAC	
12.2YY	Vulnerable; contact TAC	
12.2YZ	Vulnerable; contact TAC	
12.2ZA	Vulnerable; <u>æœ€åã®ä¿®æƒã</u> 12.2SXF	12.2(18)SXF15
12.2ZB	Vulnerable; contact TAC	
12.2ZC	Vulnerable; contact TAC	
12.2ZD	Vulnerable; contact TAC	
12.2ZE	Vulnerable; <u>first fixed in 12.3</u>	12.4(15)T7 12.4(18c)
12.2ZF	Vulnerable; <u>æœ€åã®ä¿®æƒã</u> 12.4	12.4(15)T7 12.4(18c)
12.2ZG	Vulnerable; <u>æœ€åã®ä¿®æƒã</u> 12.4	12.4(15)T7 12.4(18c)
12.2ZH	12.2(13)ZH9	12.4(15)T7 12.4(18c)
12.2ZJ	Vulnerable; contact TAC	

12.2ZL	Vulnerable; contact TAC	
12.2ZP	Vulnerable; contact TAC	
12.2ZU	Vulnerable; migrate to any release in 12.2SXH	12.2(33)SXH3
12.2ZX	Vulnerable; first fixed in 12.2SB	12.2(33)SB2; 26-SEP-08 ã♦§å^©ç'' å♦-èf½
12.2ZY	è,,†å¼±æ€§ã♦³ã♦—	
12.2ZYA	è,,†å¼±æ€§ã♦³ã♦—	
Affected 12.3-Based Releases	First Fixed Releaseï¼ä¿®æ£ã♦•ã,Œã♦Ýæœ€å^ã♦®ãƒ¤ãƒ¤ãƒ¹¼ã,¹ï¼‰	æŽ..å¥·ãƒ¤ãƒ¤ãƒ¹¼ã,¹
12.3	12.3(17c) 12.3(18a) 12.3(19a) 12.3(20a) 12.3(21)	12.4(15)T7 12.4(18c)
12.3B	Vulnerable; æœ€å^ã♦®ã¿®æ£ã♦— 12.4	12.4(15)T7 12.4(18c)
12.3BC	12.3(17b)BC6 12.3(21)BC	12.3(23)BC4

12.3BW	Vulnerable; <u>æœ€åã®ä¿®æ£ã</u> 12.4	12.4(15)T7 12.4(18c)
12.3EU	è,,†å¼±æ€§ãªã—	
12.3JA	è,,†å¼±æ€§ãªã—	
12.3JEA	è,,†å¼±æ€§ãªã—	
12.3JEB	è,,†å¼±æ€§ãªã—	
12.3JEC	è,,†å¼±æ€§ãªã—	
12.3JK	è,,†å¼±æ€§ãªã—	
12.3JL	è,,†å¼±æ€§ãªã—	
12.3JX	è,,†å¼±æ€§ãªã—	
12.3T	Vulnerable; <u>æœ€åã®ä¿®æ£ã</u> 12.4	12.4(15)T7 12.4(18c)
12.3TPC	Vulnerable; contact TAC	
12.3VA	è,,†å¼±æ€§ãªã—	
12.3XA	12.3(2)XA7	12.4(15)T7 12.4(18c)

12.3XB	Vulnerable; contact TAC	
12.3XC	Vulnerable; <u>æœ€åã®ä¿®æƒã</u> 12.4	12.4(15)T7 12.4(18c)
12.3XD	Vulnerable; <u>æœ€åã®ä¿®æƒã</u> 12.4	12.4(15)T7 12.4(18c)
12.3XE	Vulnerable; <u>æœ€åã®ä¿®æƒã</u> 12.4	12.4(15)T7 12.4(18c)
12.3XF	Vulnerable; contact TAC	
12.3XG	Vulnerable; <u>æœ€åã®ä¿®æƒã</u> 12.4	12.4(15)T7 12.4(18c)
12.3XI	12.3(7)XI10	12.2(33)SB2; 26-SEP-08 ã§åç åèf½
12.3XJ	Vulnerable; <u>first fixed in 12.3YX</u>	12.3(14)YX13 12.4(15)T7
12.3XK	Vulnerable; <u>æœ€åã®ä¿®æƒã</u> 12.4	12.4(15)T7 12.4(18c)
12.3XL	Vulnerable; <u>æœ€åã®ä¿®æƒã</u> 12.4	12.4(15)T7 12.4(18c)

12.3XQ	Vulnerable; <u>æœ€åã®ä;®æ£ã 12.4</u>	12.4(15)T7 12.4(18c)
12.3XR	12.3(7)XR7	12.4(15)T7 12.4(18c)
12.3XS	Vulnerable; <u>æœ€åã®ä;®æ£ã 12.4</u>	12.4(15)T7 12.4(18c)
12.3XU	Vulnerable; <u>first fixed in 12.4T</u>	12.4(15)T7
12.3XW	Vulnerable; <u>first fixed in 12.3YX</u>	12.3(14)YX13 12.4(15)T7
12.3XX	12.3(8)XX2d	12.4(15)T7 12.4(18c)
12.3XY	Vulnerable; <u>æœ€åã®ä;®æ£ã 12.4</u>	12.4(15)T7 12.4(18c)
12.3XZ	Vulnerable; <u>æœ€åã®ä;®æ£ã 12.4</u>	12.4(15)T7 12.4(18c)
12.3YA	Vulnerable; <u>æœ€åã®ä;®æ£ã 12.4</u>	12.4(15)T7 12.4(18c)
12.3YD	Vulnerable; <u>first fixed in 12.4T</u>	12.4(15)T7

12.3YF	Vulnerable; first fixed in 12.3YX	12.3(14)YX13 12.4(15)T7
12.3YG	12.3(8)YG6	12.4(15)T7
12.3YH	Vulnerable; first fixed in 12.4T	12.4(15)T7
12.3YI	Vulnerable; first fixed in 12.4T	12.4(15)T7
12.3YJ	Vulnerable; first fixed in 12.4T	12.4(15)T7
12.3YK	Vulnerable; first fixed in 12.4T	12.4(15)T7
12.3YM	12.3(14)YM10	12.3(14)YM13; 30-SEP-08 ã‰§ã^©ç''.. åèf½
12.3YQ	Vulnerable; first fixed in 12.4T	12.4(15)T7
12.3YS	Vulnerable; first fixed in 12.4T	12.4(15)T7
12.3YT	Vulnerable; first fixed in 12.4T	12.4(15)T7
12.3YU	Vulnerable; first fixed in 12.4XB	12.4(2)XB10 12.4(9)XG3 12.4(15)T7
12.3YX	12.3(14)YX8	12.3(14)YX13
12.3YZ	12.3(11)YZ3	

12.3ZA	Vulnerable; first fixed in 12.4T	12.4(15)T7
Affected 12.4-Based Releases	First Fixed Release $\frac{1}{4}$ 12.4 $\frac{1}{4}$ 12.4(15)T7	$\frac{1}{4}$ 12.4(15)T7
12.4	12.4(10c)	12.4(18c)
	12.4(12)	
	12.4(3h)	
	12.4(5c)	
	12.4(7e)	
	12.4(8d)	
12.4JA	$\frac{1}{4}$ 12.4(18c)	
12.4JK	$\frac{1}{4}$ 12.4(18c)	
12.4JL	$\frac{1}{4}$ 12.4(18c)	
12.4JMA	$\frac{1}{4}$ 12.4(18c)	
12.4JMB	$\frac{1}{4}$ 12.4(18c)	
12.4JMC	$\frac{1}{4}$ 12.4(18c)	
12.4JX	$\frac{1}{4}$ 12.4(18c)	
12.4MD	$\frac{1}{4}$ 12.4(18c)	

12.4MR	12.4(11)MR	12.4(19)MR
12.4SW	è, †à¼±æ€§ã¤ªã¤—	
12.4T	12.4(11)T 12.4(2)T6 12.4(4)T8 12.4(6)T7 12.4(9)T3	12.4(15)T7
12.4XA	Vulnerable; first fixed in 12.4T	12.4(15)T7
12.4XB	12.4(2)XB6	12.4(2)XB10
12.4XC	Vulnerable; first fixed in 12.4T	12.4(15)T7
12.4XD	12.4(4)XD8	12.4(4)XD11; 26-SEP-08 ã¤§å^©ç''.. å¤—èƒ½
12.4XE	Vulnerable; first fixed in 12.4T	12.4(15)T7
12.4XF	è, †à¼±æ€§ã¤ªã¤—	
12.4XG	12.4(9)XG2	12.4(9)XG3
12.4XJ	è, †à¼±æ€§ã¤ªã¤—	
12.4XK	è, †à¼±æ€§ã¤ªã¤—	

12.4XL	è,,†å¼±æ€§ã¤ªã¤—	
12.4XM	è,,†å¼±æ€§ã¤ªã¤—	
12.4XN	è,,†å¼±æ€§ã¤ªã¤—	
12.4XP	Vulnerable; contact TAC	
12.4XQ	è,,†å¼±æ€§ã¤ªã¤—	
12.4XR	è,,†å¼±æ€§ã¤ªã¤—	
12.4XT	12.4(6)XT2	12.4(15)T7
12.4XV	è,,†å¼±æ€§ã¤ªã¤—	
12.4XW	è,,†å¼±æ€§ã¤ªã¤—	
12.4XY	è,,†å¼±æ€§ã¤ªã¤—	
12.4XZ	è,,†å¼±æ€§ã¤ªã¤—	
12.4YA	è,,†å¼±æ€§ã¤ªã¤—	

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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。