

Cisco IOSã,½ãf•ãf^ã,|ã,§ã,cBorder Gateway Protocolã?®4ãf?ã,¤ãf^è‡ªå¾<ã,·ã,¹ãftãf ç•ªå?



ã,¢ãf‰oãf♦ã,¤ã,¶ãfããf¼ID : cisco-sa-

[CVE-2009-](#)

20090729-bgp

[2049](#)

å^♦å...¬é-æ-¥ : 2009-07-29 16:00

[CVE-2009-](#)

ãf♦ãf¼ã,ãf§ãf³ 1.2 : Final

[1168](#)

CVSSã,¹ã,³ã,c : [7.1](#)

å›žé♦¿ç- : No Workarounds available

Cisco ãf♦ã,º ID : [CSCta33973](#)

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Cisco IOSã,½ãf•ãf^ã,|ã,§ã,cã♦®æœ€è¿'ã♦®ãf♦ãf¼ã,ãf§ãf³ã♦§ã♦¬ã€♦RFC4893(ã€ŒBGP Support for Four-octet AS Number

Spaceã€♦)ã♦Œã,µãf♦ãf¼ãf^ã♦•ã,Œã♦|ã♦Šã,Šã€♦ç‰¹å®šã♦®Border Gateway Protocol(BGP)ã,çãffäf—äf‡äf¼äf^ã,'å‡|ç♦†ã♦™ã,éšã♦«ã€♦2ã♦¤ã♦®ãfãäfçãf¼äf^ã,µãf¼äf"ã,¹ã

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ã♦"ã♦®ã,çãf‰oãf♦ã,¤ã,¶ãfãã♦¬ã€♦<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAlerts-20090729-bgp>ã♦§å...¬é-æ•ã,Œã♦|ã♦„ã♦¾ã♦™ã€,

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IOSãŠã,^ã³Cisco IOS
XEã,½ãf•ãf^ã,|ã,§ã,cã§BGPã,’è”å®šã«™ã,<ã«ã—ã€ãf^ã,³ãf³ãf•ã,£ã,®ãf¥ãf—ãf¼ã,·ãf§ãf³ã,³ãfžã
bgp [AS Number] ã,’ä½ç”ã—ã³/4ã«™ã€,è©²å½“ã«™ã,<ãCisco
IOSãfãf¼ã,ãf§ãf³ã,’å®Ÿè;Œã—ã|ã,Šã,§ã€router
bgpã,³ãf³ãf•ã,£ã,®ãf¥ãf—ãf¼ã,·ãf§ãf³ã,³ãfžãf³ãf%oã§2ãfã,¤ãf^ã³/4ã«ã—ãf^4ãfã,¤ãf^ã«ã®ASç

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```
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router bgp ?
      <1-65535> Autonomous system number
      <1.0-XX.YY> 4 Octets Autonomous system number
```

Or:

```
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router bgp ?
      <1-4294967295> Autonomous system number
      <1.0-XX.YY> Autonomous system number
```

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Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router bgp ?
      <1-65535> Autonomous system number
```

BGPãf—ãfã,»ã,‘ã,®Ÿè;Œã—ã|ã,„ã,ãf«ãf¼ã,çã®è”å®šã«ã—ã€è‡¤ã³/4ã,‘ã,‘ãftã,ç¤ºã
running-configã,’ç™oè;Œã«™ã,<ã“è;ç¤ºã§ã¤ºã³/4ã«™ã€,

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IOS«äf¼ã,¿ã?—ã€◆ASç•ªå◆·ã◆®äftã,ã,¹äf^èj”ç◆¾ã,’ä,jæ-¹ã◆”ã,,ã,µäf◆äf¼äf^ã◆—ã◆¾ã◆
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IOS◆®4äf◆ã,¤äf^è‡ªå¾ã,·ã,¹äftäf (AS)ASPLAINã◆Šã,^ã◆³ASDOTèj”è”~ã◆®èª~æ~Žã€◆ã,’å◆

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router bgp 65536

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router bgp 1.0

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version ã,³äfžäf³äf%oã,’ä½çã◆£ã◆|ã€◆ã,·ã,¹äftäf
äf◆äf§äf¼ã,’èj”ç¤°ã◆—ã◆¾ã◆™ã€,"Internetwork Operating System
Software"ã€◆"Cisco IOS Software"
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"Version" ã◆” Cisco IOS ã,½äf•äf^ã,|ã,„ã,ç
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äf¤äf◆ã,¤ã,¹ã◆§ã◆—ã€◆show version
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ä»¥ã,ã◆®ä¾ã,ã◆—ã€◆Cisco èf½å“◆ã◆«ã◆|ã€◆IOSäf¤äf¼ã,¹ 12.3(26)
ã◆CEç””¹äf◆—ã€◆ã◆—ã◆|ã◆„ã◆—ã◆|ã◆„ã◆CE C2500-IS-L
ã◆§ã◆,ã,<ã◆”ã◆”ã,’ç¤°ã◆—ã◆|ã◆„ã◆¾ã◆™:

Router#show version
Cisco Internetwork Operating System Software
IOS (tm) 2500 Software (C2500-IS-L), Version 12.3(26), RELEASE SOFTWARE (fc2)
Technical Support: <http://www.cisco.com/techsupport>

Copyright (c) 1986-2008 by cisco Systems, Inc.
Compiled Mon 17-Mar-08 14:39 by dchih

! --- output truncated

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Router#show version
Cisco IOS Software, 1841 Software (C1841-ADVENTERPRISEK9-M), Version 12.4(20)T, RELEASE SOFTWARE (fc3)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2008 by Cisco Systems, Inc.
Compiled Thu 10-Jul-08 20:25 by prod_rel_team
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Cisco

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Paper: Cisco IOS Reference

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- Cisco IOS, Cisco IOS XR, Cisco IOS NX-OS

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[RFC4271](#): BGP~~ã~~ S~~AS~~ç~~ã~~å~~ã~~’2~~ã~~,~~ã~~—ãftãffãf~~ã~~®ã, “ãf³ãftã,£ãftã,£ã—ã—ã|å®šç³4©ã—ã

forced reloadã€•ã€•CEè;”çººã€•ã,CEã€•¾ã€™ã€,

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IOSã,½ãf•ãf^ã, |ã,§ã,çãf‡ãf♦ã,¤ã,¹ã—ã€♦4ãf♦ã,¤ãf^ã♦®ASç•ªå♦·BGPã,¹ãf”ãf¼ã,«ã♦§ã♦™
 - BGPãf”ã,¢ãf¤ãf³ã,°ãf♦ã,¤ãf‡ãf¼ã—2ãf♦ã,¤ãf^ã♦®ASç•ªå♦·BGPã,¹ãf”ãf¼ã,«ã♦§ã♦™
 - BGPãf”ã,¢ãf¤ãf³ã,°ãf♦ã,¤ãf‡ãf¼ã—ã€♦1000ã,’è¶...ã♦?ã,«ã,€é€£ã♦®ASç•ªå♦?ã,‘ä½¿ç”…ã?—

XRã,½ãf•ãf^ã, |ã,§ã,çã §ã —ã€♦2ãf♦ã,¤ãf^ã ®ASç•³å♦·ã♦·—ã♦ |BGPã,¹ãf”ãf¼ã,«ã♦Cisco IOS XE Cisco NX-OS Cisco IOS

“Cisco Bug ID [CSCsy86021](#)

([Common Vulnerabilities and Exposures\(CVE\)](#)) ID: CVE-2009-1168, S&V: [Exploit](#), CVSS: 3.4, TM , [Report](#)

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ã?“ã?®è„†å¼±æ€§ã?“ã€?Cisco Bug ID [CSCta33973](#)

([Common Vulnerabilities and Exposures \(CVE\)](#)) ID: CVE-2009-2049
Published: 2009-07-01 Last Updated: 2010-01-26

IOS BGP 4-Byte ASN

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maxas-limit

BGP, Border Gateway Protocol for the Enterprise, <http://www.cisco.com/web/about/security/intelligence>

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Technical Assistance

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Affected 12.0-Based Releases	First Fixed Release^{i/4} ä;®æffä
12.0	è,,†å ^{1/4±æ€§ã?ºã?—}
12.0DA	è,,†å ^{1/4±æ€§ã?ºã?—}
12.0DB	è,,†å ^{1/4±æ€§ã?ºã?—}

12.0DC	è,,†å¼±æ€§ã¤ªã¤—
12.0S	12.0(32)S11ä»¥å‰¤ã¤®ãƒ¤ãƒ¤ãƒ¼ã,¹ã¤«ã¤—è,,†å¼±æ€§ã¤—ã¤,ã,Šã¤¾ã¤»ã,”ã€,æœ€ 12.0(33)S2ä»¥å‰¤ã¤®ãƒ¤ãƒ¤ãƒ¼ã,¹ã¤«ã¤—è,,†å¼±æ€§ã¤—ã¤,ã,Šã¤¾ã¤»ã,”ã€,æœ€
12.0SC	è,,†å¼±æ€§ã¤ªã¤—
12.0SL	è,,†å¼±æ€§ã¤ªã¤—
12.0SP	è,,†å¼±æ€§ã¤ªã¤—
12.0ST	è,,†å¼±æ€§ã¤ªã¤—
12.0SX	è,,†å¼±æ€§ã¤ªã¤—
12.0SY	12.0(32)SY7ä»¥å‰¤ã¤®ãƒ¤ãƒ¤ãƒ¼ã,¹ã¤«ã¤—è,,†å¼±æ€§ã¤—ã¤,ã,Šã¤¾ã¤»ã,”ã€,æœ€
12.0SZ	è,,†å¼±æ€§ã¤ªã¤—
12.0T	è,,†å¼±æ€§ã¤ªã¤—
12.0W	è,,†å¼±æ€§ã¤ªã¤—
12.0WC	è,,†å¼±æ€§ã¤ªã¤—
12.0WT	è,,†å¼±æ€§ã¤ªã¤—
12.0WX	è,,†å¼±æ€§ã¤ªã¤—

12.0XA	è,,†å¼±æ€§ã¤ªã¤—
12.0XB	è,,†å¼±æ€§ã¤ªã¤—
12.0XC	è,,†å¼±æ€§ã¤ªã¤—
12.0XD	è,,†å¼±æ€§ã¤ªã¤—
12.0XE	è,,†å¼±æ€§ã¤ªã¤—
12.0XF	è,,†å¼±æ€§ã¤ªã¤—
12.0XG	è,,†å¼±æ€§ã¤ªã¤—
12.0XH	è,,†å¼±æ€§ã¤ªã¤—
12.0XI	è,,†å¼±æ€§ã¤ªã¤—
12.0XJ	è,,†å¼±æ€§ã¤ªã¤—
12.0XK	è,,†å¼±æ€§ã¤ªã¤—
12.0XL	è,,†å¼±æ€§ã¤ªã¤—
12.0XM	è,,†å¼±æ€§ã¤ªã¤—
12.0XN	è,,†å¼±æ€§ã¤ªã¤—
12.0XQ	è,,†å¼±æ€§ã¤ªã¤—

12.0XR	è,,†å¼±æ€§ã¤ªã¤—
12.0XS	è,,†å¼±æ€§ã¤ªã¤—
12.0XT	è,,†å¼±æ€§ã¤ªã¤—
12.0XV	è,,†å¼±æ€§ã¤ªã¤—
12.0XW	è,,†å¼±æ€§ã¤ªã¤—
Affected 12.1-Based Releases	First Fixed Releaseï¼ä½®æ£ä»
è©²å½“ã¤™ã, < 12.1 ãƒ™ãƒ¼ã,¹ã¤®ãƒªãƒªãƒ¼ã,¹ã¤—ã¤, ã, Šã¤¾ã¤›ã, ”ã€,	
Affected 12.2-Based Releases	First Fixed Releaseï¼ä½®æ£ä»
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¤—
12.2EW	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,,†å¼±æ€§ã¤ªã¤—
12.2IRB	è,,†å¼±æ€§ã¤ªã¤—
12.2IRC	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¤—
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12.2JA	è,,†å¼±æ€§ã¤ªã¤—
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12.2MB	è,,†å¼±æ€§ã¤ªã¤—
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12.2S	è,,†å¼±æ€§ã¤ªã¤—
12.2SB	è,,†å¼±æ€§ã¤ªã¤—
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12.2SCA	è,,†å¼±æ€§ã¤ªã¤—
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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¤—
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12.2SXF	è,,†å¼±æ€§ã¤ªã¤—
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12.2SXI	12.2(33)SXIä»¥å‰oã¤ªã¤®ãƒ¤ãƒ¤ãƒ½ã,¹ã¤«ã¤—è,,†å¼±æ€§ã¤—ã¤,ã,Šã¤¾ã¤›ã,“ã€,æœ
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¤—
12.2XD	è,,†å¼±æ€§ã¤ªã¤—
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12.2XH	è,,†å¼±æ€§ã¤ªã¤—
12.2XI	è,,†å¼±æ€§ã¤ªã¤—
12.2XJ	è,,†å¼±æ€§ã¤ªã¤—
12.2XK	è,,†å¼±æ€§ã¤ªã¤—
12.2XL	è,,†å¼±æ€§ã¤ªã¤—
12.2XM	è,,†å¼±æ€§ã¤ªã¤—
12.2XN	è,,†å¼±æ€§ã¤ªã¤—
12.2XNA	è,,†å¼±æ€§ã¤ªã¤—
12.2XNB	è,,†å¼±æ€§ã¤ªã¤—
12.2XNC	12.2(33)XNC2

12.2XND	12.2(33)XND1 ^{1/4} ^2009å¹'8æœ^25æ—¥˜♦«å...¥æ‰o<å♦—èf½i¼‰o
12.2XO	è,,†å¼±æ€§˜♦ª˜♦—
12.2XQ	è,,†å¼±æ€§˜♦ª˜♦—
12.2XR	è,,†å¼±æ€§˜♦ª˜♦—
12.2XS	è,,†å¼±æ€§˜♦ª˜♦—
12.2XT	è,,†å¼±æ€§˜♦ª˜♦—
12.2XU	è,,†å¼±æ€§˜♦ª˜♦—
12.2XV	è,,†å¼±æ€§˜♦ª˜♦—
12.2XW	è,,†å¼±æ€§˜♦ª˜♦—
12.2YA	è,,†å¼±æ€§˜♦ª˜♦—
12.2YB	è,,†å¼±æ€§˜♦ª˜♦—
12.2YC	è,,†å¼±æ€§˜♦ª˜♦—
12.2YD	è,,†å¼±æ€§˜♦ª˜♦—
12.2YE	è,,†å¼±æ€§˜♦ª˜♦—
12.2YF	è,,†å¼±æ€§˜♦ª˜♦—

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12.2YL	è,,†å¼±æ€§ã¤ªã¤—
12.2YM	è,,†å¼±æ€§ã¤ªã¤—
12.2YN	è,,†å¼±æ€§ã¤ªã¤—
12.2YO	è,,†å¼±æ€§ã¤ªã¤—
12.2YP	è,,†å¼±æ€§ã¤ªã¤—
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12.2YR	è,,†å¼±æ€§ã¤ªã¤—
12.2YS	è,,†å¼±æ€§ã¤ªã¤—
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12.2YV	è,,†å¼±æ€§ã¤ªã¤—

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12.2ZB	è,,†å¼±æ€§ã¤ªã¤—
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12.2ZE	è,,†å¼±æ€§ã¤ªã¤—
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12.2ZX	è,,†å¼±æ€§ã¤ªã¤—
12.2ZY	è,,†å¼±æ€§ã¤ªã¤—
12.2ZYA	è,,†å¼±æ€§ã¤ªã¤—
Affected 12.3-Based Releases	First Fixed Releaseï¼ä½œ®æ£ä»
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Affected 12.4-Based Releases	First Fixed Releaseï¼ä½œ®æ£ä»
12.4	è,,†å¼±æ€§ã¤ªã¤—
12.4JA	è,,†å¼±æ€§ã¤ªã¤—
12.4JDA	è,,†å¼±æ€§ã¤ªã¤—
12.4JDC	è,,†å¼±æ€§ã¤ªã¤—
12.4JDD	è,,†å¼±æ€§ã¤ªã¤—
12.4JK	è,,†å¼±æ€§ã¤ªã¤—

12.4JL	è,,†å¼±æ€§ã¤ªã¤—
12.4JMA	è,,†å¼±æ€§ã¤ªã¤—
12.4JMB	è,,†å¼±æ€§ã¤ªã¤—
12.4JX	è,,†å¼±æ€§ã¤ªã¤—
12.4MD	è,,†å¼±æ€§ã¤ªã¤—
12.4MDA	è,,†å¼±æ€§ã¤ªã¤—
12.4MR	è,,†å¼±æ€§ã¤ªã¤—
12.4SW	è,,†å¼±æ€§ã¤ªã¤—
12.4T	12.4(24)Tã¤¾ã¤Ñã¤®ã¤fã¤ã¤f1/4ã,¹ã¤«ã¤—è,,†å¼±æ€§ã¤—ã¤,ã,Šã¤¾ã¤>ã,"ã¤,æœ€
12.4XA	è,,†å¼±æ€§ã¤ªã¤—
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12.4XC	è,,†å¼±æ€§ã¤ªã¤—
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12.4XJ	è,,†å¼±æ€§ã¤ªã¤—
12.4XK	è,,†å¼±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	è,,†å¼±æ€§ã¤ªã¤—
12.4XQ	è,,†å¼±æ€§ã¤ªã¤—
12.4XR	è,,†å¼±æ€§ã¤ªã¤—
12.4XT	è,,†å¼±æ€§ã¤ªã¤—
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¤—

12.4YB	è,,†å¼±æ€§ã♦ªã♦—
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Affected 2.1 Based Releases	å½±é¥_ã,’ã♦—ã♦’ã, 2.1 ãƒ™ãƒ¼ã,¹ã♦®ãƒãƒªf¼ã,¹ã♦—ã♦,ã,Ñã♦¾ã♦>ã,”ã€,
Affected 2.2 Based Releases	å½±é¥_ã,’ã♦—ã♦’ã, 2.2 ãƒ™ãƒ¼ã,¹ã♦®ãƒãƒªf¼ã,¹ã♦—ã♦,ã,Ñã♦¾ã♦>ã,”ã€,
Affected 2.3 Based Releases	2.3.1ä»¥å‰õã♦®ãƒãƒªf¼ã,¹ã♦«ã♦—è,,†å¼±æ€§ã♦Œå~åœ”ã♦—ã♦¾ã♦™ã€,æœ€
Affected 2.4 Based Releases	2.4.0ä»¥å‰õã♦®ãƒãƒªf¼ã,¹ã♦«ã♦—è,,†å¼±æ€§ã♦Œå~åœ”ã♦—ã♦¾ã♦™ã€,æœ€

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<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090729-bgp>

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翻訳について

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