

# Cisco IOS MPLS VPN

ãæf...å±ã,'ãfããf¼ã,ã•ã>ã,<ã<ã<ã,,ã—ã



ã,çãf‰ãfã,¤ã,¶ãfããf¼ID : cisco-sa-

20080924-vpn

[CVE-2008-](#)

[3803](#)

åå...¬é-<æ—¥ : 2008-09-24 16:00

ãfãf¼ã,ãf§ãf³ 1.2 : Final

CVSSã,¹ã,³ã,c : [5.1](#)

åé¿ç- : [Yes](#)

Cisco ãfã,º ID : [CSCec12299](#), [CSCee83237](#)

æ—¥æœ¬è³ã«ã,^ã,<æf...å±ãã€è<±è³ã«ã,^ã,<åŽÝæ-‡ã®éžå...¬å¼ã

æ!,é!,?

Cisco IOSãfãf¼ã,ãf§ãf³ 12.0S ã,ã€12.2ã€12.3 ã< 12.4 ãŠã,^ã³ãfžãf«ãfãf—ãf-  
ãf^ã,³ãf« ãf©ãf™ãf« ã,¹ã,¤ãffãfãf³ã,ºï¼^MPLSi¼‰ãfãf¼ãfãf£ãf« ãf—ãf©ã,¤ãf™ãf¼ãf^  
ãfãffãf^ãf^ãf¼ã,i¼^VPNi¼‰ã< VPN Routing and Forwarding ãf©ã,¤ãf^i¼^VRF  
ãf©ã,¤ãf^i¼‰ã®ãÝã,ã«è ¨ å®šã•ã,Œã|å®Ýè;Œã—ã€Customer Edge  
i¼^CEi¼‰ãŠã,^ã³ Provider Edge i¼^PEi¼‰ãfãfã,¤ã,¹é—“ã®ãfœãf¼ãf€ãf¼  
ã,²ãf¼ãf^ã,|ã,¤ã,¤ã f—ãfãf^ã,³ãf«i¼^BGPi¼‰ã,ä½¿ç””ã™ã,ãfãfã,¤ã,¹ãæf...å±ãŒ  
VPN ã®é—“ã§ä¼æ¬ã™ã,ã,^ã†ã«ã™ã,ã[æ](#)—ã,Œã¾ã»ã,“ã€,

åé¿ç-ã“ã®è,tå¼±æ€§ã®è»½æ,›ã,’åŠ©ã’ã|å©ç””ã§ã¾ã™ãæ,

ã“ã®å·é;Œãè«-ç†ã,ãf©ãf¼ã«ã,^ã£ã| PE ãfãfã,¤ã,¹ã® extended  
community ã,å|ç†ã™ã,ã”ãå¼ãèµ·ã”ã•ã,Œã¾ã™ãæ,

ã“ã®å·é;Œãæ”»æ'fè€...ã«ã,^ã£ã| æ±ºå®šè«-ç,ã«ã,æ£å©ç””ã™ã,ã“ã”ã

ã,·ã,¹ã,³ã“ã,Œã,‰ã®è,tå¼±æ€§ã«å¾å!ã™ã,ã,½ãf·ãf^ã,|ã,¤ã,ç  
ã,çãffãf—ãfãf¼ãf^ã,ææ¾ã—ã|ã,ã¾ã™ãæ,

ã“ã,Œã,‰ã®è,tå¼±æ€§ã«å¾ã—ã|ãåé¿ç-ãŒã,ã,Šã¾ã™ãæ,

ã“ã®ã,çãf‰ãfã,¤ã,¶ãfãã http://tools.cisco.com/security/center/content/CiscoSecurityAdvisor  
y/cisco-sa-20080924-vpn ã§æŽ²ç¤ºã•ã,Œã¾ã™ãæ,

2008 å¹' 9æœ^ 24 æ—¥ IOS ã,çãf‰ãfã,¤ã,¶ãfãã«ã,^ã£ã|çµ,,ã¿è¾å¾ã,Œã,æ,ã—  
12 ã®ã,»ã,ãf¥ãfªãf†ã,£ ã,çãf‰ãfã,¤ã,¶ãfããŒå«ã¾ã,Œã|ã,ã¾ã™ãæ,

ã, Çäf‰oãf♦ã,¤ã,¶ãfªã♦® 11 ã♦¬ Cisco ã♦® IOS software  
 ã♦®è,,†å½±æ€§ã♦«å¬¾å‡|ã♦—ã€♦1 ã♦¤ã♦®ã, Çäf‰oãf♦ã,¤ã,¶ãfªã♦¬ Cisco Unified Communications Manager ã♦®è,,†å½±æ€§ã♦«å¬¾å‡|ã♦—ã♦¾ã♦™ã€,  
 å♦,,ã, Çäf‰oãf♦ã,¤ã,¶ãfªã♦¬ãfªãfªf¼ã,¹ã,’ãfªã,¹ãfªã—ã♦¾ã♦™ã, Çäf‰oãf♦ã,¤ã,¶ãfªã♦«èª¬æ¬ž  
 å♦,,ãf‰oã,ãf¥ãfjãf³ãf^ã,ã♦®ãfªãf³ã,¬ã♦¬æ¬jã♦®ã♦¬ã♦Šã,Šã♦§ã♦™ã€,

- <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>
- [924-cucm](#)
- <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-multicast>
- [924-sccp](#)
- <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-iosfw>
- [924-l2tp](#)

è©²å½“è£½å“♦

## ä¿®æ£æ, ^ã♦¿ã, ½ãf•ãf^ã, |ã,§ã,ç

Cisco IOSäf‡äf♦ã,¤ã,¹ã♦¬ MPLS VPN ã♦¬ VRF  
 äf©ã,¤äf^ã♦®ã♦Ýã,♦ã♦«è „å®šã♦•ã,Œã€♦CE ã♦Šã,^ã♦³ PE äf‡äf♦ã,¤ã,¹é¬”ã♦®  
 BGPã,»äffã,·äf§äf³ã♦Œã♦,ã,Šã♦§ã€♦extended community  
 å,’å‡|ç♦†ã♦—ã♦¾ã♦™è,,†å½±ã€, äf‡äf♦ã,¤ã,¹ã♦Œ MPLS VPN ã♦¬ VRF  
 äf©ã,¤äf^ã♦®ã♦Ýã,♦ã♦«ã,³äfžäf³äf‰o address-family ipv4 vrf <vrf å♦®å‰o>  
 å♦¾ã♦Ýã♦¬è „å®šã♦•ã,Œã,<ã♦<ã€♦address-family ipv6 VRF <vrf å♦®å‰oã♦¬>  
 äf‡äf♦ã,¤ã,¹ã,³äf³äf•ã,Œã,®ãf¥ãf¬äf¼ã,·äf§äf³ã♦«ã♦,ã,Šã♦¾ã♦™ã€,

ä»¥ã,<ã♦¬ MPLS VPN

ã♦®ã♦Ýã,♦ã♦«è „å®šã♦•ã,Œã,<äf‡äf♦ã,¤ã,¹ã♦§å®Ýè;Œã♦•ã,Œã,<ã,³äfžäf³äf‰oã,'ç¤ºã♦—ã♦?

<#root>

router#

```
show running-config | include address-family [ipv4|ipv6]
```

```
address-family ipv4 vrf <vrf-name>
```

ä»¥ã,[æ](#) PE [æ](#) CE é—[æ](#)® IPv4 BGPä,»ãfã,·ãf§ãf³ã[æ](#)®ã[æ](#) ã[æ](#) «è”å®šã[æ](#)•ã,Œã,<PE [æ](#)f#ãf[æ](#),¤ã,<sup>1</sup>ã,'ç¤ºã[æ](#)—ã[æ](#)<sup>¾</sup>ã[æ](#)™:

```
router bgp <Local AS>
  address-family ipv4 vrf one
  neighbor <neighbor IP> remote-as < Remote AS>
  neighbor <neighbor IP> activate
```

āf†āf◆ā,¤ā,¹ā◆«

Ciscoè£½å“♦ã€♦ãfã,°ã,¤ãf³ã♦§å‘•ä½œã♦™ã,<ã,½ãf•ãf^ã,|ã,§ã,çã,’å^¤å^¥ã♦—ã€♦ã,·ã,¹ãftãf å " show version " å,³ãfžãf³ãf%oã,’ç™oèjŒã♦™ã,<ã♦Ýã,♦ã€, Cisco IOS  
å,½ãf•ãf^ã,|ã,§ã,çã♦—ã€ŒInternet Operating System  
Softwareã€♦ã?¾ã?Ýã?—å?~ã?«ã€ŒIOSã€♦ã??"èj?ç¤ºã?•ã,Œã?¾ã?™ã€,  
å?°å?Š?æ¬jã?®èjŒã?§ã€♦ã,¤ãf;jãf¼ã,å?♦ã?~ã?«ã€Œaf?ãf¼ã,ãf§ãf³ã?«ã€?å...?èjŒã?—ã?|ã? IOSãf?ãf?ãf¼ã,¹ã?♦ã?®é—“ã?§èj?ç¤ºã?™ã,<ã€, ä»—ã?® Ciscoãft?ãf?ã,¤ã,¹ã?«" show  
version "  
å,³ãfžãf³ãf%oã?Œã?,ã,§ã?¾ã?»ã,“ã?¾ã?Ýã?—ã?Ýã,?ã?«å^¥ã?®å?°å?Š?ã,’ä,Žã?^ã?|ã?«ã?

æ-;ã®ä¾<ã» Cisco IOS Release 12.4(11)T2 ä,’å®Ýè;Œ—ã» |ã» „ã„Ciscoè£½å”ã» ,’æŒ‡å®šã» —ã» Ýã„ã» ®ã» řã» ™:

<#root>

Router#

**show version**

Cisco IOS Software, 7200 Software (C7200-ADVSECURITYK9-M), Version 12.4(11)T2, RELEASE SOFTWARE (fc4)  
Technical Support: <http://www.cisco.com/techsupport>  
Copyright (c) 1986-2007 by Cisco Systems, Inc.  
Compiled Tue 01-May-07 04:19 by prod\_rel\_team

<output truncated>

Cisco

IOS 14.2(1) Security Reference Guide  
<http://www.cisco.com/web/about/security/intelligence/ios-ref.html>

è,,†å¼±æ€§ã,’å?«ã,“ã?§ã?„ã?^ã?„ã?”ã?“ã?“ã?ŒçÇºè^ã?•

ãf©ã,¤ãf^ã—ã“ã®è,,†å½±æ€§ã«ã,^ã£ã|å¤‰åŒ-ã—ã“ã“ã„ã§ã™ã€,

IOS

ã, ’å®Ÿè;Œã—ã“ã“ã„ã,·ã,¹ã,³è£½å“ã—ã“ã®è,,†å½±æ€§ã«ã,^ã£ã|å¤‰åŒ-ã—ã

Cisco IOS XR ã—å½±éŸ¿ã,’å—ã“ã“|ã„ã“³/4ã>ã,“ã€,

ä»—ã®ã,·ã,¹ã,³è£½å“ã—ã“ã„ã§ã|ã€“ã®ã,çãf‰ãf¤ã,¤ã,¶ãf¤ã®å½±éŸ¿ã,’å—ã

æ”¹è“,å±¥æ‘

ãf¤ãf“ã, „ãf§ãf³ 1.2	2009- April- 16	ç¾åœ“ æ—§å½ã“ã„ã,·ã,^ã“tã“ã€çµå“ã•ã,Œã®Ÿã,½ãf•ãf^ã ãftãf½ãf-ãf«ã,ã®å—é™¤ã<ã,Œã®Ÿå,ç...§ã€,
ãf¤ãf“ã, „ãf§ãf³ 1.1	2008- Nov- 19	<u>åžé¤ç-</u> ã,»ã,¬ã,·ãf§ãf³ã®æ›’æ—°æ,^è“å®šä¾ã€,
ãf¤ãf“ã, „ãf§ãf³ 1.0	2008- Sep- 24	å“¤å›žå...¬é-<ãf¤ãf¤ãf½ã,¹

å“¤ç”“è¤ç‘,

æœ—ã,çãf‰ãf¤ã,¤ã,¶ãf¤ã—ç,,jä¤è“¹/4ã®ã,ã“ã—ã“|ã“æ¤¤ä¾ã—ã“|ã„ã§ã,§ã€  
æœ—ã,çãf‰ãf¤ã,¤ã,¶ãf¤ã®æf...å±ã¤Šã,^ã“³ãf¤ã³,¬ã¤®ä½ç“ã“é-çã™ã,<è²¬ã»»ã®ã,€  
ã“¾ã¤Ÿã€ã,·ã,¹ã,³ã—æœ—ãf‰ã,ãf¥ãf¤ãf^ã¤®å†...å®¹ã,‘äº^å“§ã“—ã“«å¤‰æ›’ã—ã¤  
æœ—ã,çãf‰ãf¤ã,¤ã,¶ãf¤ã®è“~è“å†...å®¹ã“é-çã—ã“|æf...å±é...¤ä¤ã¤® URL  
ã,‘çœ¤ç·¥ã—ã€¤å¤~ç¬ã¤®è»çè½‰ã,,æ,,¤è“³ã,‘æ-½ã—ã¤Ÿå‘å“ã€¤å½“ç¤¾ã¤Œç®;ç¤  
ã“ã¤®ãf‰ã,ãf¥ãf¤ãf^ã¤®æf...å±ã¤—ã€¤ã,·ã,¹ã,³è£½å“ã¤ã®ã,‘ãf¤‰ãf|ãf½ã,¶ã,‘å“¾è±ã

## 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。