

# Cisco IOS Next Hop Resolution Protocol

## ã®è,,†â¼±æ€š



ã,çãf%ãfã,ã,ã,ãfãf¼ID : cisco-sa-

[CVE-2007-](#)

20070808-nhrp

[4286](#)

â^ã...-é-æ—¥ : 2007-08-08 16:00

ãfãf¼ã,ãfšãf³ 1.2 : Final

CVSSã,¹ã,³ã,ç : [8.0](#)

â>žéç- : No Workarounds available

Cisco ãfã,° ID : [CSCin95836](#)

æ—¥æè-èªžã«ã,^ã,æf...â ±ã-ã€èè±èªžã«ã,^ã,ãŽYæ-ã®éžã...-â¼ã

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Cisco IOS ® Cisco Next Hop Resolution

Protocoli¼^NHRPi¼%æ©Yèf½ã«ã-ã€ãfãfã,ã,¹ã€ætèµ·ã·ã,æã,ãè-èf½æ€šã®

NHRP ã-ã€Dynamic Multipoint Virtual Private Networki¼^DMVPN; ãfã,ããfšãfYãffã,-

ãfžã«ãfãfã,ããf³ãf^ãfãf¼ãfãfãfã«ãf-ãfã,ããf™ãf¼ãf^

ãfãfãfãfãfãf¼ã,¼i¼^VPNi¼%oi¼%æ©Yèf½ã®ã,»è|ã,³ãf³ãfãf¼ãfãf³ãfãšã™ã€,

NHRP ã-ã€ç®éjžã®æ-¹æ³·ã€ããã¼ã,šãfãfã,±ã±i¼^ãf-ã,ããfã

Zi¼%ãšã€Generic Routing Encapsulationi¼^GRE; ççš°ãfãf¼ãfãfã,£ãf³ã,°

ã,«ãf-ã,»ãf«ãCE-i¼%ãf^ãf³ãfãfã«ãšã,^ã³ multipoint GREi¼^mGRE;

ãfžã«ãfãfã,ããf³ãf^GREi¼%ãf^ãf³ãfãfã«çµCEç"±ãšã€ãã¼ãYã-IPi¼^IPãf-ãf-

ãfã,³ãf«ç·ã·54i¼%ãšç·æZçš,,ã«ã·ã½œãšãšã¼ã™ã€,

ã"ã®è,,†â¼±æ€šã-ã€ãã"ã,æã,%o 3

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Cisco IOS šã-ã€NHRP

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ã"ã®è,,†â¼±æ€šã-ã€12.2

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[CSCin95836](#)i¼^ç™»éCE²ãfãf¼ã,¶ã°,ç"i¼%ã«ã€12.2ãfã,ããf³ãfã,ããf³

ãfãfãf¼ã,¹ã«é-çã-ã|ã-

[CSCsi23231](#)i¼^ç™»éCE²ãfãf¼ã,¶ã°,ç"i¼%ã«è~è¼%ã·ã,æã|ã,,ã¼ã™ã€,



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ãf—ãfã,»ã,¹ãæœ%ãš¹ã.ã©ã†ã<ã,'çç°èªãSããã³¼ã™ã€,

<#root>

router#

show processes | include NHRP

42 Mwe F8B8CC 24 76 315 7836/12000 0 NHRP

ã"ã@ã,³ãfžãf³ãf%ãS NHRP ãf—ãfã,»ã,¹ãæè: çç°ã.ã,ãã,ã 'ã^ã-ãIOS  
ãf†ãfã,ã,¹ãS NHRP ãæã®ÿè:ãã.ã,ãã|ã,,ã³¼ã™ã€,

NHRP ã,'è²ãšã—ã|ã,,ãªã,,ã®ã«ãf—ãfã,»ã,¹  
ãf†ãf¼ãf-ãf«ã«ã"ã@ãf—ãfã,»ã,¹ãæè: çç°ã.ã,ãã,ã 'ã^ã-ãæ-;ã@ã½œæªã,'è;

NHRP ãæãf†ãfã,ã,¹ã®ã,¹ã,çãf¼ãf^ã,çãfãf—  
ã,³ãf³ãfã,£ã,®ãfªãf-ãf¼ã,ãfšãf³ãSè"ã®šã.ã,ãã|ã,,ãªã,,ã"ã"ã,'çç°èªã—ã€  
è²ã®šã.ã,%ã NHRP ã,'ã%ãšé™ãã—ã|ãf†ãfã,ã,¹ã,'ã†èèµ.ã.ã™ãã,<ã"ãNHRP  
ãf—ãfã,»ã,¹ã-ã®ÿè:ãã.ã,ããªããããã,šã³¼ã™ã€,

è,,†ã¼±æ€šã,'ã«ã,"ãšã,,ãªã,,ã"ã"ãæçç°èªã.

- Cisco IOS ãæç¼ãfã—ã|ã,,ãªã,, Cisco  
ãf†ãfã,ã,¹ã-è²ã½"ã—ã³¼ãã,ã,ã€,
- Cisco IOS XR ãæç¼ãfã—ã|ã,,ã< Cisco  
ãf†ãfã,ã,¹ã-è²ã½"ã—ã³¼ãã>ã,ã€,

ã"ã,ãã,%ã®è,†ã¼±æ€šã«è²ã½"ã™ãã,ãããã®ã»-ã® Cisco  
ãf†ãfã,ã,¹ã-çç°ãœ"ã®ã"ã,èè|ãªã<ã£ã|ã,,ã³¼ãã>ã,ã€,

è³ç°

NHRP ã-ã€Nonbroadcast Multiaccess¼NBMA; éžãf-ãfãf¼ãf%ã,ãf£ã,¹ãf^  
ãfžãf«ãfã,çã,ã,»ã,¹¼%ããfãfãfãfãf¼ã,ãSãf-ã,ããfã 2 ã<ã,%ããf-ã,ããfã 3  
ã,ã®è£æ±°ã,'è:ãã†ã"ã"ã,'çç°çš,,ã"ã—ãÿã€æ™æ°-ãf™ãf¼ã,¹ã®ãf—ãfãfã,³ã

ãfãfãfãf^ãfãf¼ã,ãf†ãfã,ã,¹ã-ã€NHRP ã,'ã½ç"ã™ãã,ãã"ã"ãSã€NBMA  
ãfãfãfãf^ãfãf¼ã,ã«æžç¶šã.ã,ãã|ã,,ã<ã»-ã®ãf†ãfã,ã,¹ã®ã,çãf%ããf-ã,¹ã,'æœœã

NHRP





## Control Plane Policing (CoPP) for NHRP and GRE

Control Plane Policing (CoPP) for NHRP and GRE

```
access-list 111 deny 54 TRUSTED_ADDRESSES MASK any
access-list 111 deny 47 TRUSTED_ADDRESSES MASK any

! !--- Permit all other NHRP (IP protocol number 54) and GRE (IP protocol
access-list 111 permit 54 any any
access-list 111 permit 47 any any

! !--- Permit (Police or Drop)/Deny (Allow) all other Layer3 !--- and Layer4 traffic in accordance with
class-map match-all drop-NHRP-class
 match access-group 111

! !--- Create a policy map that will be applied to the control plane !--- of the affected device. !
policy-map drop-NHRP-traffic
 class drop-NHRP-class
 drop

! !--- Apply the policy map to the control plane of the device !--- device. !
control-plane
 service-policy input drop-NHRP-traffic
!
```

*!--- Deny NHRP (IP protocol number 54) and GRE (IP protocol number 47) !--- traffic from trusted hosts to*

```
access-list 111 deny 54 TRUSTED_ADDRESSES MASK any
access-list 111 deny 47 TRUSTED_ADDRESSES MASK any
```

*! !--- Permit all other NHRP (IP protocol number 54) and GRE (IP protocol !--- number 47) traffic sent to*

```
access-list 111 permit 54 any any
access-list 111 permit 47 any any
```

*! !--- Permit (Police or Drop)/Deny (Allow) all other Layer3 !--- and Layer4 traffic in accordance with*

```
class-map match-all drop-NHRP-class
 match access-group 111
```

*! !--- Create a policy map that will be applied to the control plane !--- of the affected device. !*

```
policy-map drop-NHRP-traffic
 class drop-NHRP-class
 drop
```

*! !--- Apply the policy map to the control plane of the device !--- device. !*

```
control-plane
 service-policy input drop-NHRP-traffic
!
```

Control Plane Policing (CoPP)

```
access-list 111 deny 54 TRUSTED_ADDRESSES MASK any
access-list 111 deny 47 TRUSTED_ADDRESSES MASK any
```



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 URL ã,'ã,ç...šã—ã|ãããããã„ã€, <http://www.cisco.com/warp/public/620/1.html>ã€,

ãf;ã,ãffãf¼ãfªãfªãf¼ã,¹	ä;®æ£æ,^ã¿ãªãªãªãf¼ã,¹ã®ã...¥æ%0<ãèf	
è©²ã½“ã™ã,< 12.0 ãª™ãf¼ã,¹ã®ãªãªãªãf¼ã,¹	<b>First Fixed Release</b> i¼^ä;®æ£ã·ã,æãÿæœ€ã^ã®ãªãªãªãf¼ã,¹¼%0	æŽ·ã
12.0	è,,†ã¼±æ€§ã,ã,š; first fixed in 12.2(46)	12.2(
12.0DA	è,,†ã¼±æ€§ãªã—	
12.0DB	è,,†ã¼±æ€§ãªã—	
12.0DC	è,,†ã¼±æ€§ã,ã,š; first fixed in 12.3(14)T5	12.4( 12.4( 12.4( 12.4( 03-S 12.4( 12.4( 12.4( 12.4(
12.0S	12.0(32)S8; ä©ç”ãèf½ãª 21-Aug-07	12.0( 21-A
12.0SC	è,,†ã¼±æ€§ã,ã,š; first fixed in 12.3(17a)BC	12.3(

		12.3(
12.0SL	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.0(32)S8; â^©ç'''â ã-èf½ ã <sup>a</sup>	12.0(21-A
12.0SP	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.0(32)S8 â^©ç'''â ã-èf½ ã <sup>a</sup>	12.0(21-A
12.0ST	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.0(32)S8; â^©ç'''â ã-èf½ ã <sup>a</sup>	12.0(21-A
12.0SX	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.0(32)S8; â^©ç'''â ã-èf½ ã <sup>a</sup>	12.0(21-A
12.0SY	12.0(32)SY4; â^©ç'''â ã-èf½ ã <sup>a</sup> 21-Aug-07	12.0(ã <sup>a</sup>
12.0SZ	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.0(32)S8; â^©ç'''â ã-èf½ ã <sup>a</sup>	
12.0T	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.0W	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.0WC	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.0WT	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.0XA	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.0XB	è,,†â¼±æ€§ã <sup>a</sup> ã—	

12.0XC	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.0XD	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.0XE	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.1(27b)E3; â^©ç"" â^-èf½ ã <sup>a</sup> 10-Aug-07	
12.0XF	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.0XG	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.0XH	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.0XI	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.0XJ	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.0XK	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.0XL	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.0XM	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.0XN	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.0XQ	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.0XR	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.0XS	è,,†â¼±æ€§ã <sup>a</sup> ã—	

12.0XV	è,,†â¼±æ€§ã™ã—	
12.0XW	è,,†â¼±æ€§ã™ã—	
è©²â½“ã™ã, < 12.1 ã™ã¼ã, 1ã®ãªãªã¼ã, 1	<b>First Fixed</b> Releasei¼^ä;®æã•ã,æãÿæœ€â^ã®ãªãªã¼ã, 1i¼%o	æŽ·ã
12.1	è,,†â¼±æ€§ã™ã,ã,Š; first fixed in 12.2(46)	12.2(
12.1AA	è,,†â¼±æ€§ã™ã,ã,Š; first fixed in 12.2(46)	12.2(
12.1AX	è,,†â¼±æ€§ã™ã—	
12.1AY	è,,†â¼±æ€§ã™ã—	
12.1AZ	è,,†â¼±æ€§ã™ã—	
12.1CX	è,,†â¼±æ€§ã™ã,ã,Š; first fixed in 12.2(46)	12.2(
12.1DA	12.2(10)DA8 12.2(12)DA12	12.2(
12.1DB	è,,†â¼±æ€§ã™ã—	
12.1DC	è,,†â¼±æ€§ã™ã,ã,Š; first fixed in 12.3(14)T5	12.4(
		12.4(
		12.4(
		12.4(
		03-S

		12.4( 12.4( 12.4( 12.4(
12.1E	12.1(27b)E3; $\hat{\alpha} \approx \frac{1}{2} \tilde{\alpha}^a$ 5-Mar-08	
12.1EA	$\tilde{\alpha}, \frac{1}{4} \tilde{\alpha} \approx \tilde{\alpha}^a$ —	
12.1EB	$\tilde{\alpha}, \frac{1}{4} \tilde{\alpha} \approx \tilde{\alpha}^a$ —	
12.1EC	$\tilde{\alpha}, \frac{1}{4} \tilde{\alpha} \approx \tilde{\alpha}^a, \tilde{\alpha}, \tilde{S}$ ; first fixed in 12.3(17a)BC	12.3( 12.3(
12.1EO	$\tilde{\alpha}, \frac{1}{4} \tilde{\alpha} \approx \tilde{\alpha}^a$ —	
12.1EU	$\tilde{\alpha}, \frac{1}{4} \tilde{\alpha} \approx \tilde{\alpha}^a, \tilde{\alpha}, \tilde{S}$ ; first fixed in 12.2(25)EWA10	12.2(
12.1EV	$\tilde{\alpha}, \frac{1}{4} \tilde{\alpha} \approx \tilde{\alpha}^a$ —	
12.1EW	$\tilde{\alpha}, \frac{1}{4} \tilde{\alpha} \approx \tilde{\alpha}^a, \tilde{\alpha}, \tilde{S}$ ; first fixed in 12.2(25)EWA10	$\tilde{\alpha}^{\text{TM}}$ $\tilde{\alpha}^f$ — 12.2( 12.2( 12.2( 12.2( Oct-0

12.1EX	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.1(27b)E3; â^©ç"" â^-èf½ ã <sup>a</sup> 5-Mar-08	
12.1EY	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.1EZ	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.1(27b)E3; â^©ç"" â^-èf½ ã <sup>a</sup> 5-Mar-08	
12.1GA	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.1GB	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.1T	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.1XA	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.1XB	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.1XC	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.1XD	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.1XE	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.1XF	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.1XG	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3(

		12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.1XH	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.1XI	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(
12.1XJ	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.1XK	è,,†â¼±æ€§ãªã—	
12.1XL	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3(

		12.3(16-A)
		12.3(16-A)
12.1XM	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3(16-A)
12.1XN	è,,†â¼±æ€§ãªã—	12.3(16-A)
12.1XO	è,,†â¼±æ€§ãªã—	12.3(16-A)
12.1XP	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3(16-A)



		12.3(16-A) 12.3(16-A)
12.1XU	è,,†â¼±æ€§ã—	
12.1XV	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3(16-A) 12.3(16-A) 12.3(16-A) 12.3(16-A) 12.3(16-A) 12.3(16-A)
12.1XW	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(46)
12.1XX	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(46)
12.1XY	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(46)
12.1XZ	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(46)	12.2(46)
12.1YA	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3(16-A) 12.3(16-A) 12.3(16-A)

		12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.1YB	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.1YC	è,,†â¼±æ€§ãªã—	
12.1YD	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A







		12.3(
12.2CY	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)BC	12.3( 12.3(
12.2CZ	è,,†â¼±æ€§ãªã—	
12.2DA	12.2(10)DA8 12.2(12)DA12	12.2( 12.2(
12.2DD	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5	12.4( 12.4( 12.4( 12.4( 03-S 12.4( 12.4( 12.4( 12.4( 12.4(
12.2DX	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5	12.4( 12.4( 12.4( 12.4( 03-S 12.4( 12.4(

		12.4( 12.4( ã™ ãf— 12.2( 12.2( 12.2( 12.2( Oct-0
12.2EU	è,,†â¼±æ€§ã™,ã,Š; first fixed in 12.2(25)EWA10	ã™ ãf— 12.2( 12.2( 12.2( 12.2( Oct-0
12.2EW	è,,†â¼±æ€§ã™,ã,Š; first fixed in 12.2(25)EWA10	ã™ ãf— 12.2( 12.2( 12.2( 12.2( Oct-0
12.2EWA	12.2(25)EWA10	ã™ ãf— 12.2( 12.2( 12.2( 12.2( Oct-0
12.2EX	è,,†â¼±æ€§ã™ªã™—	

12.2EY	è,,†â¼±æ€§ãªã—	
12.2EZ	è,,†â¼±æ€§ãªã—	
12.2FX	è,,†â¼±æ€§ãªã—	
12.2FY	è,,†â¼±æ€§ãªã—	
12.2FZ	è,,†â¼±æ€§ãªã—	
12.2IXA	è,,†â¼±æ€§ãªã—	
12.2IXB	è,,†â¼±æ€§ãªã—	
12.2IXC	è,,†â¼±æ€§ãªã—	
12.2IXD	è,,†â¼±æ€§ãªã—	
12.2IXE	è,,†â¼±æ€§ãªã—	
12.2JA	è,,†â¼±æ€§ãªã—	
12.2JK	è,,†â¼±æ€§ãªã—	
12.2MB	è,,†â¼±æ€§ãª,Š; first fixed in 12.2(25)SW11	12.2(
12.2MC	12.2(15)MC2h 12.2(15)MC2j	12.2(

12.2S	12.2(14)S19 12.2(18)S13 12.2(20)S14 12.2(25)S13	12.2( 12.2( 
12.2SB	12.2(28)SB9 12.2(31)SB6	12.2( ã <sup>a</sup> 12.2( 
12.2SBC	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(31)SB6	12.2( ã <sup>a</sup> 12.2( 
12.2SE	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.2SEA	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.2SEB	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.2SEC	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.2SED	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.2SEE	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.2SEF	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.2SEG	è,,†â¼±æ€§ã <sup>a</sup> ã—	



		12.4(03-S 12.4( 12.4( 12.4( 12.4(
12.2SV	12.2(29)SV4; 14-Oct-07	12.2( ã
12.2SVA		
12.2SVC		
12.2SW	12.2(25)SW11	12.2(
12.2SX	ã, Š; first fixed in 12.2(18)SXE4	
12.2SXA	ã, Š; first fixed in 12.2(18)SXE4	
12.2SXB	ã, Š; first fixed in 12.2(18)SXE4	12.2(
12.2SXD	ã, Š; contact TAC	
12.2SXE	12.2(18)SXE4	12.2(
12.2SXF		
12.2SXH		





12.2XD	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.2XE	è,,†â¼±æ€§ãªã—	
12.2XF	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)BC	12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.2XG	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.2XH	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A

		12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.2XI	è,,†â¼±æ€§ãªã—	
12.2XJ	è,,†â¼±æ€§ãª,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.2XK	è,,†â¼±æ€§ãª,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 12.3( 16-A

		12.3( 16-A
12.2XL	è,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.2XM	è,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.2XN	è,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 12.3( 16-A



		12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.2XT	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.2XU	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A

12.2XV	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.2XW	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.2YA	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 12.3( 16-A

		12.3(16-A)
12.2YB	è,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3(12.3(12.3(12.3(12.3(12.3(16-A12.3(16-A12.3(16-A
12.2YC	è,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3(12.3(12.3(12.3(12.3(12.3(16-A12.3(16-A12.3(16-A
12.2YD	è,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5	12.4(12.4(12.4(12.4(03-S

		12.4( 12.4( 12.4( 12.4(
12.2YE	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(25)S13	12.2( 12.2(
12.2YF	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 12.3( 16-A 12.3( 16-A
12.2YG	è,,†â¼±æ€§ã,ã—	
12.2YH	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3( 12.3( 12.3( 16-A

		12.3(16-A)
12.2YJ	è,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3(12.3(12.3(12.3(12.3(12.3(16-A12.3(16-A
12.2YK	è,†â¼±æ€§ãªã—	
12.2YL	è,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5	12.4(12.4(12.4(12.4(03-S12.4(12.4(12.4(12.4(
12.2YM	è,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5	12.4(12.4(



		12.3(16-A)
12.2YQ	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5	12.4(03-S 12.4(12.4(12.4(12.4(12.4(12.4(
12.2YR	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5	12.4(03-S 12.4(12.4(12.4(12.4(12.4(12.4(
12.2YS	è,,†â¼±æ€§ãã—	
12.2YT	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3(12.3(

		<p>12.3(</p> <p>12.3(</p> <p>12.3(</p> <p>12.3(</p> <p>16-A</p> <p>12.3(</p> <p>16-A</p>
12.2YU	<p>è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5</p>	<p>12.4(</p> <p>12.4(</p> <p>12.4(</p> <p>12.4(</p> <p>03-S</p> <p>12.4(</p> <p>12.4(</p> <p>12.4(</p> <p>12.4(</p>
12.2YV	<p>è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5</p>	<p>12.4(</p> <p>12.4(</p> <p>12.4(</p> <p>12.4(</p> <p>03-S</p> <p>12.4(</p> <p>12.4(</p> <p>12.4(</p> <p>12.4(</p>



		12.4( 12.4( 12.4(
12.2YZ	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(25)S13	12.2( 12.2(
12.2ZA	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.2(18)SXE4	
12.2ZB	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5	12.4( 12.4( 12.4( 12.4( 03-S 12.4( 12.4( 12.4( 12.4( 12.4(
12.2ZC	è,,†â¼±æ€§ã <sup>a</sup> ã—	
12.2ZD	è,,†â¼±æ€§ã,ã,Š; contact TAC	
12.2ZE	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(17a)	12.3( 12.3( 12.3( 12.3(





	12.3(22) 12.3(23)	12.3(16-A) 12.3(16-A)
12.3B	è,,†â¼±æ€§ã❖,ã,Š; first fixed in 12.3(14)T5	12.4(03-S) 12.4(12.4)
12.3BC	12.3(17a)BC 12.3(21)BC	12.3(12.3)
12.3BW	è,,†â¼±æ€§ã❖,ã,Š; first fixed in 12.3(14)T5	12.4(03-S) 12.4(12.4)



12.3XA	12.3(2)XA6	12.3(
12.3XB	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5	12.4( 12.4( 12.4( 12.4( 03-S 12.4( 12.4( 12.4( 12.4( 12.4(
12.3XC	12.3(2)XC5	12.3(
12.3XD	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5	12.4( 12.4( 12.4( 12.4( 03-S 12.4( 12.4( 12.4( 12.4( 12.4(
12.3XE	12.3(2)XE5; â^©ç””â`èf½ã <sup>a</sup> 17-Aug-07	12.3(
12.3XF	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5	12.4(

		<p>12.4(</p> <p>12.4(</p> <p>12.4(</p> <p>03-S</p> <p>12.4(</p> <p>12.4(</p> <p>12.4(</p> <p>12.4(</p>
<p>12.3XG</p>	<p>è,,†â¼±æ€§ã,ã,Š; contact TAC</p>	<p>12.4(</p> <p>12.4(</p> <p>12.4(</p> <p>12.4(</p> <p>03-S</p> <p>12.4(</p> <p>12.4(</p> <p>12.4(</p> <p>12.4(</p>
<p>12.3XH</p>	<p>è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)T5</p>	<p>12.4(</p> <p>12.4(</p> <p>12.4(</p> <p>12.4(</p> <p>03-S</p> <p>12.4(</p> <p>12.4(</p>



		12.4(
12.3XR	12.3(7)XR7; à^©ç””à ½ ã <sup>a</sup> 17-Aug-07	12.3(
		17-A
12.3XS	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.4(1c)	12.4(
		12.4(
		12.4(
		12.4(
		12.4(
		03-S
		12.4(
		12.4(
		12.4(
		12.4(
12.3XU	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.4(4)T	12.4(
		12.4(
		24-A
		12.4(
		20-A
		12.4(
		28-A
		12.4(
		12.4(
12.3XW	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.3(14)YX8	12.3(
		ã <sup>a</sup>

12.3XY	è,,†â¼±æ€§ã <sup>a</sup> —	
12.3YA	è,,†â¼±æ€§ã <sup>a</sup> ,ã,Š; first fixed in 12.4(1c)	12.4( 12.4( 12.4( 12.4( 03-S 12.4( 12.4( 12.4( 12.4( 12.3( ã <sup>a</sup>
12.3YD	è,,†â¼±æ€§ã <sup>a</sup> ,ã,Š; first fixed in 12.4(4)T	12.4( 12.4( 24-A 12.4( 20-A 12.4( 28-A 12.4( 12.4( 
12.3YF	è,,†â¼±æ€§ã <sup>a</sup> ,ã,Š; first fixed in 12.3(14)YX8	12.3( ã <sup>a</sup>
12.3YG	12.3(8)YG6; â^©ç””â <sup>-</sup> èf½ã <sup>a</sup> 16-Aug-07	12.3( 



		28-A 12.4( 12.4(
12.3YK	12.3(11)YK3; à^©ç””à ¢-èf½ ã ¢ <sup>a</sup> 20-Aug-07	12.3( ã ¢ <sup>a</sup>
12.3YM	12.3(14)YM5	12.3( ã ¢ <sup>a</sup>
12.3YQ	è,,†â¼±æ€§ã ¢,ã,Š; first fixed in 12.4(4)T	12.4( 12.4( 24-A 12.4( 20-A 12.4( 28-A 12.4( 12.4(
12.3YS	12.3(11)YS2; à^©ç””à ¢-èf½ ã ¢ <sup>a</sup> 17-Aug-07	12.3( 12.4( 12.4( 24-A 12.4( 20-A 12.4( 28-A
12.3YT	è,,†â¼±æ€§ã ¢,ã,Š; first fixed in 12.4(4)T	12.4( 12.4( 24-A 12.4( 20-A 12.4( 28-A

		12.4(1) 12.4(2)
12.3YU	è,,†â¼±æ€§ã,ã,Š; first fixed in 12.4(2)XB6 â^©ç"… â^-èf½ ã^a 16-Aug-07	12.4(1) 16-A
12.3YX	12.3(14)YX8	12.3(14) ã^a
12.3YZ	12.3(11)YZ2; â^©ç"… â^-èf½ ã^a 17-Aug-07	12.3(11) ã^a
è©²â¼"ã™ã,< 12.4 ãf™ãf¼ã,¹ã®ãfããf¼ã,¹	<b>First Fixed</b> Releasei¼^ä;®æfã•ã,Œãÿæœ€â^ã®ãfããf¼ã,¹¼%o	æŽ•ã
12.4	12.4(1c) 12.4(10) 12.4(12) 12.4(13) 12.4(16) 12.4(3b) 12.4(5) 12.4(7) 12.4(8)	12.4(1c) 12.4(10) 12.4(12) 12.4(13) 12.4(16) 12.4(3b) 12.4(5) 12.4(7) 12.4(8)
12.4JA	è,,†â¼±æ€§ã^ã—	
12.4JX	è,,†â¼±æ€§ã^ã—	

12.4MD	è,,†â¼±æ€§ãªã—	
12.4MR	12.4(12)MR1 12.4(11)MR 12.4(12)MR 12.4(12)MR2; â^©ç””âª—èf½ ãªª 14-Aug-07 12.4(4)MR 12.4(6)MR 12.4(9)MR	12.4(
12.4SW	è,,†â¼±æ€§ãªã—	
12.4T	12.4(11)T 12.4(15)T 12.4(2)T3 12.4(4)T 12.4(6)T 12.4(9)T	12.4( 12.4( 24-A 12.4( 20-A 12.4( 28-A 12.4( 12.4(
12.4XA	è,,†â¼±æ€§ãªã—	
12.4XB	12.4(2)XB6; â^©ç””âª—èf½ ãªª 16-Aug-07	12.4( 16-A
12.4XC	è,,†â¼±æ€§ãªã—	

12.4XD	è,,†â¼±æ€§ãªã—	
12.4XE	è,,†â¼±æ€§ãªã—	
12.4XF	è,,†â¼±æ€§ãªã—	
12.4XG	è,,†â¼±æ€§ãªã—	
12.4XJ	è,,†â¼±æ€§ãªã—	
12.4XK	è,,†â¼±æ€§ãªã—	
12.4XT	è,,†â¼±æ€§ãªã—	
12.4XV	è,,†â¼±æ€§ãªã—	
12.4XW	è,,†â¼±æ€§ãªã—	

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ãªfª¼ãªfªãªfªãª,ªãªfªãª,¹ãªfªãªšãª...-é-ãª•ãª,£ãª|ãª,ãª¾ãªª™ãª€,

ãª"ãª®è,,†â¼±æ€§ãªªãª Martin Klugeãª<ãª,% Cisco  
ãª«â±â'šãª•ãª,£ãªÿä,,ãª®ãªšãªª™ãª€,

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## URL

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20070808-nhrp>

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ãfãf“ã,ãf§ãf³ 1.2	2008- April- 25	<a href="#">CSCin95836</a> ã Šã, ^ã³ <a href="#">CSCin23231</a> ã®ãŸã,ã® CVSS ã,¹ã,³ã,çã,ã® a
ãfãf“ã,ãf§ãf³ 1.1	2007 å¹ 8 æœ^ 9 æ—¥	ã€Eä,æfå^©ç””ã””ã...-èj”ã€ã,»ã,ã,ãf§ãf³ã®ã...-é-«æ,ªç””ã,³ãf¼ãf%o
ãfãf“ã,ãf§ãf³ 1.0	2007 å¹ 8 æœ^ 8 æ—¥	ã^ã>žã...-é-«ãfããfãf¼ã,¹

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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。