

Cisco

IOS «ã Šã 'ã, «è æ°ã ® DLSwã, ìãf¼ãf"ã



ã, çãf%ãfã, ðã, ¶ãfããf¼ã ID : cisco-sa-20080326-dlsw

ã^ã...-é-ã-¥ : 2008-03-26 16:00

ãfãf¼ã,ãfšãf³ 1.5 : Final

CVSSã, 1ã, 3ã, ç : [7.8](#)

ãžéç- : No Workarounds available

Cisco ãfã, ° ID : [CSCsf28840](#) [CSCsk73104](#)

[CVE-2008-](#)

[1152](#)

[CVE-2007-](#)

[0199](#)

æ—¥æè"ãžã «ã, ^ã, æf...ã ±ã -ã€ èçè"ãžã «ã, ^ã, çãžãæ-ã ® é çã...-ã¼ã

æ!, è! ?

Cisco

IOSã «ã ã€ãfãf¼ã, çãfãf³ã, ã, 1ã, ðãffãfãf³ã, °(DLSw)æ©ÿèf½ã «èææ°ã ®è,, tã¼æ€šã

ã, ã, 1ã, 3ã ã ã, Çã, %ã ®è,, tã¼æ€šã «ã¼ã± |ã™ã, ã, ½ãfãf^ã, |ã, šã, çã, çãffãf—ãfãf¼ãf^ã, 'ã

ã "ã ®ã, çãf%ãfã, ðã, ¶ãfãã ã€ <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080326-dlsw> ã šã...-é-ã•ã, Çã |ã,,ã¼ã™ã€,

æ³I¼š2008ã¹3æè²6æ—¥ã®ã...-é-ã«ã ã€ã 5ã ðã®ã, »ã,ãfãfãftã,£ã, çãf%ãfã, ðã, ¶ãfã

Operating

System(IOS)ã «ã½±éÿçã, 'ãžã ã¼ã™ã€ã,ã,,ã, çãf%ãfã, ðã, ¶ãfã «ã ã€ã "ã®ã, çãf%

ã,,ãf%ã,ãfãfãfãf³ãf^ã,ã®ãfãf³ã, ã ã-ã¼ã®ã "ãšã,šãšã™ã€,

- Cisco IOSãfãf¼ãfãf£ãf«ãf—ãf©ã, ðãfãf¼ãf^ãfã, ðãfãfãf«ã, çãffãf—ãfãfãf^ãf^ãf¼ã, ã®Do <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080326-pptp>
- Cisco IOSã «ã Šã 'ã, «èææ°ã ® DLSwã, ìãf¼ãf"ã, 1æ'ã |ã®è,, tã¼æ€šã <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080326-dlsw>
- IPv4/IPv6ãfãfãfã, çãf«ã, 1ã, çãffã, ãf«ãf¼ã, çã

«é-čã™ã, Cisco

IOSãf|ãf¼ã, ¶ãfãf¼ã, çã, °ãf©ãfãf—ãfãf^ã,³ãf«(UDP)é...ã¿ã®ã•é;€

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080326-IPv4IPv6>

- OSPFã€MPLS VPNã€Supervisor 32ã€Supervisor 720ã€ã¼ãÿã¯Route Switch Processor 720ã,ã½ç”ã—ãÿCisco IOSã®è,,†ã¼±æ€§

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080326-queue>

- Cisco IOSãfžãf«ãfã,ãf£ã,¹ãf^Virtual Private Network(MVPN)ã®ãfãf¼ã, çãfãf¼ã, ¯
<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080326-mvpn>

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è,,†ã¼±æ€§ã®ã,ã,è£½ã”

ã”ã®ã,»ã,ãfãfãfãfã,£ã,çãf%ããã,ãã,¶ãfãã”ã€DLSwç””ã«è”ã®šãã,ã,€ãÿè©²ã½”Ci
IOSã,½ãfãfã,|ã,šã,çã®ã»æ,,ã®ãfãf¼ã,ãfšãf³ã,ã®ÿè;€ã™ã,ãã™ã¹ã|ã®ã,ã,¹

DLSwã€æœ%ãš¹ãããfãf¼ã,çãã”ã€è”ã®šãã«ãfãf¼ã,«ãf«DLSwãf”ã,çã,ã®šç¼©ã™
running-

configã,³ãfžãf³ãf%ãã,ç™°è;€ã—ã¼ã™ã€,DLSwç””ã«è”ã®šãã,ã,€ãÿã,ã,¹ãfãfãã«ã

dlsw local-peer

ã¼ãÿã

dlsw local-peer peer-id <IP address>

æ¬ã®ã€€ã,½ãfãfã,|ã,šã,çãfãf¼ã,ãfšãf³ã”ã¿®æ£ãã,ãã,ãã,ãfšãf³ã«è”~è¼%ãã,ã,C
IOSã®ãfãf¼ã,ãfšãf³ãã”ã€è,,†ã¼±æ€§ãã€ããœ”ã—ã¼ã™ã€,

ã,ã,¹ã,³è£½ã”ã®šã®ÿè;€ãã,ã,€ã|ã,,ã,Cisco

IOSã,½ãfãfã,|ã,šã,çã®ãfãf¼ã,ãfšãf³ã,çç°èãã™ã,ãã”ã€ããfãfãã,ãã,¹ãã«ãfã,°ã,
versionã,³ãfžãf³ãf%ãã,ç™°è;€ã—ã|ã,ã,¹ãfãfãããfšãf¼ã,è;ç°ã—ã¼ã™ã€,Cisco

IOS 3600 Software (C3640-IS-M), Version 12.3(6), RELEASE SOFTWARE (fc3)

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DLSw Software, 3800 Software (C3845-ADVIPSERVICESK9-M), Version 12.3(11)T3, RELEASE SOFTWARE (fc3)

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System (NetBIOS) Software, 3800 Software (C3845-ADVIPSERVICESK9-M), Version 12.3(11)T3, RELEASE SOFTWARE (fc3)

Sequenced

Transport (FST) Software, 3800 Software (C3845-ADVIPSERVICESK9-M), Version 12.3(11)T3, RELEASE SOFTWARE (fc3)

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IOS> configure terminal
router(config)# ip address 10.1.1.1 255.255.255.0
router(config)# no ip redirects
router(config)# no ip unreachables
router(config)# no ip ttl-expires
router(config)# no ip flow-lookup

dls local-peer address <ip-address>

IOS> configure terminal
router(config)# ip address 10.1.1.1 255.255.255.0
router(config)# no ip redirects
router(config)# no ip unreachables
router(config)# no ip ttl-expires
router(config)# no ip flow-lookup

local-peer peer-id <IP-

address>

IOS> configure terminal
router(config)# ip address 10.1.1.1 255.255.255.0
router(config)# no ip redirects
router(config)# no ip unreachables
router(config)# no ip ttl-expires
router(config)# no ip flow-lookup

Cisco

IOS> configure terminal
router(config)# ip address 10.1.1.1 255.255.255.0
router(config)# no ip redirects
router(config)# no ip unreachables
router(config)# no ip ttl-expires
router(config)# no ip flow-lookup

Sequenced

Transport(FST) <ip-address>

IOS> configure terminal
router(config)# ip address 10.1.1.1 255.255.255.0
router(config)# no ip redirects
router(config)# no ip unreachables
router(config)# no ip ttl-expires
router(config)# no ip flow-lookup

dls remote-peer 0 fst <ip-address>

dls udp-

disable <ip-address>

IOS> configure terminal
router(config)# ip address 10.1.1.1 255.255.255.0
router(config)# no ip redirects
router(config)# no ip unreachables
router(config)# no ip ttl-expires
router(config)# no ip flow-lookup

[\(Cisco\) Common Vulnerabilities and Exposures \(CVE\) ID](#)

[CVE-2008-](#)

[1152](#)

ip

IOS> configure terminal
router(config)# ip address 10.1.1.1 255.255.255.0
router(config)# no ip redirects
router(config)# no ip unreachables
router(config)# no ip ttl-expires
router(config)# no ip flow-lookup

DLSw <ip-address>

IOS> configure terminal
router(config)# ip address 10.1.1.1 255.255.255.0
router(config)# no ip redirects
router(config)# no ip unreachables
router(config)# no ip ttl-expires
router(config)# no ip flow-lookup

Sequenced

Transport(FST) <ip-address>

IOS> configure terminal
router(config)# ip address 10.1.1.1 255.255.255.0
router(config)# no ip redirects
router(config)# no ip unreachables
router(config)# no ip ttl-expires
router(config)# no ip flow-lookup

dls remote-peer 0 fst <ip-address>

FST <ip-address>

dls w udp-

disable `3afzaf3af%ã, 'ã½ç'"ã™ã,ãã"ã€DLSwã§UDPaç|çtã,ç,,jãš'ã«ãšããã¾ã™ã€`

1. `ã€Edls w udp-`

`disableã€ã, 3afzaf3af%ã, 'ã½ç'"ã—ã | UDPç™ã:ãfã,±ãffãf^ã,ç,,jãš'ã«ã—ã¾ã™ã€`

2. `ã,ããf³ãf•ãf©ã,¹ãf^ãf©ã,ããfãf£ACLã,'ã½çç'"ã—ã |ã€è,,tã¼±ã€Sã®ã,ã,ããfãfãã,ãã,¹ã 2067ã,'ãf•ã,£ãf«ã,çãf³ã,°ã—ã¾ã™ã€,`

`ãfãffãf^ãfãf¼ã,ãt...ã®Ciscoãfãfãã,ãã,¹ã«ã°Zã...¥ãšããã,è½ãšã®ç·©'ããftã,ããã`

<https://sec.cloudapps.cisco.com/security/center/content/CiscoAppliedMitigationBulletin/cisco-amb-20080326-dls w>

`ã½±éÿ:ã,'ã—ã'ã,ããfãfãã,ãã,¹ãšã®ã,³ãf³ãf^ãfãf¼ãã«ãf—ãf—ãf¼ãf³ãf`

`ã,³ãf³ãf^ãfãf¼ãã«ãf—ãf—ãf¼ããf³ãfããã,ããf³ã,(CoPP)ã,'ã½çç'"ã—ã |ã€ããfãfãã,ãã,¹ãã®ã:ã IOSã,½ããfãf^ã,ã,ãšã,çããããããf¼ã,¹`

`12.0Sã€12.2SXã€12.2Sã€12.3Tã€12.4ã€ãšã,^ã³ 12.4Tã—ã€CoPP`

`æ©ÿèf½ã,'ã,µããfãf¼ããã—ã |ã,ã¾ã¾ã™ã€,ããfãfãã,ãã,¹ã«CoPP`

`ã,'è"ã®ãã—ã |ã€ç®ççtãf—ãf—ãf¼ããf³ãã"ã,³ãf³ãf^ãfãf¼ãã«`

`ãf—ãf—ãf¼ããf³ã,'ã:èã—ã€æ—çããã®ã,»ã,ããfããããã,£`

`ãããããã,ããf¼ããšã,^ã³è"ã®ãã«ã¾ã£ã |ã€ãã,ãããããããã,¹ãããããã,ããããããã®ãããããã,ãã`

udp-

disable `ã,³ãfzãf³ãf%ã§UDPaçç,,jãš'ã«ããã£ã |ã,,ã,ãã'ã^ã—ã€UDPaããf¼ããf^2067ã,`

```
!--- Deny DLSw traffic from trusted hosts to all IP addresses
!--- configured on all interfaces of the affected device so that
!--- it will be allowed by the CoPP feature
```

```
access-list 111 deny udp host 192.168.100.1 any eq 2067
access-list 111 deny 91 host 192.168.100.1 any
```

```
!--- Permit all other DLSw traffic sent to all IP addresses
!--- configured on all interfaces of the affected device so that it
!--- will be policed and dropped by the CoPP feature
```

```
access-list 111 permit udp any any eq 2067
access-list 111 permit 91 any any
```

```
!--- Permit (Police or Drop)/Deny (Allow) all other Layer 3 and Layer 4
!--- 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-DLSw-class
  match access-group 111
```

```
!--- Create a Policy-Map that will be applied to the
!--- Control-Plane of the device.
```

```
policy-map drop-DLSw-traffic
  class drop-DLSw-class
    drop
```

```
!--- Apply the Policy-Map to the Control-Plane of the
!--- device
```

```
control-plane
  service-policy input drop-DLSw-traffic
```

IOS

12.2.0.0/24

```
policy-map drop-DLSw-traffic
  class drop-DLSw-class
    police 32000 1500 1500 conform-action drop exceed-action drop
```

CoPP

ACL

```
udp-
  disable
```

2067

```
!--- Permit DLSw (UDP port 2067 and IP protocol 91) packets
!--- from trusted hosts destined to infrastructure addresses.
```

```
access-list 150 permit udp TRUSTED_HOSTS MASK INFRASTRUCTURE_ADDRESSES MASK eq 2067
```


<p>ãf;ã,ãfãf¼ ãfãfãf¼ã,¹</p>	
<p>Affected 12.0-Based Releases</p>	
<p>12.0</p>	<p>è,,†å¼±æ€šã,ã,Š(æœ€ã^ã®ä¿®æfã 12.3)</p>
<p>12.0DA</p>	<p>12.0(8)DA3ã,^ã,Šã%ã®ãfãfãf¼ã,¹ã«ã-è,,†å¼±æ€šãœã,ã,Šã€12.0(8)DA3</p>
<p>12.0DB</p>	<p>12.0(7)DBã,^ã,Šã%ã®ãfãfãf¼ã,¹ã«ã-è,,†å¼±æ€šãœã,ã,Šã€12.0(7)DBã»</p>
<p>12.0DC</p>	<p>12.0(7)DCã,^ã,Šã%ã®ãfãfãf¼ã,¹ã«ã-è,,†å¼±æ€šãœã,ã,Šã€12.0(7)DCã»</p>
<p>12.0S</p>	<p>12.0(17)S5ã,^ã,Šã%ã®ãfãfãf¼ã,¹ã«ã-è,,†å¼±æ€šãœã,ã,Šã€12.0(17)S5ã</p>
<p>12.0SC</p>	<p>è,,†å¼±æ€šãã—</p>
<p>12.0SL</p>	<p>è,,†å¼±æ€šãã—</p>
<p>12.0SP</p>	<p>è,,†å¼±æ€šãã—</p>
<p>12.0ST</p>	<p>è,,†å¼±æ€šãã—</p>
<p>12.0SX</p>	<p>è,,†å¼±æ€šãã—</p>
<p>12.0SY</p>	<p>è,,†å¼±æ€šãã—</p>
<p>12.0SZ</p>	<p>è,,†å¼±æ€šãã—</p>

12.1GA	è,,†å¼±æ€ššã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.1GB	è,,†å¼±æ€ššã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.1T	è,,†å¼±æ€ššã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.1XA	è,,†å¼±æ€ššã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.1XB	è,,†å¼±æ€ššãªã—
12.1XC	è,,†å¼±æ€ššã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.1XD	è,,†å¼±æ€ššã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.1XE	è,,†å¼±æ€ššãªã—
12.1XF	è,,†å¼±æ€ššãªã—
12.1XG	è,,†å¼±æ€ššã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.1XH	è,,†å¼±æ€ššã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.1XI	è,,†å¼±æ€ššã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.1XJ	è,,†å¼±æ€ššã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.1XK	è,,†å¼±æ€ššãªã—
12.1XL	è,,†å¼±æ€ššãªã—

12.1XM	è,,†å¼±æ€šã,ã,Š(æœƒå^ã®ä¿®æfã 12.3)
12.1XN	è,,†å¼±æ€šãªã—
12.1XO	è,,†å¼±æ€šãªã—
12.1XP	è,,†å¼±æ€šã,ã,Š(æœƒå^ã®ä¿®æfã 12.3)
12.1XQ	è,,†å¼±æ€šã,ã,Š(æœƒå^ã®ä¿®æfã 12.3)
12.1XR	è,,†å¼±æ€šãªã—
12.1XS	è,,†å¼±æ€šã,ã,Š(æœƒå^ã®ä¿®æfã 12.3)
12.1XT	12.1(3)XT2ã,ã,Šã%ã®ãfªãfªãf¼ã,ªã«ã—è,,†å¼±æ€šãœã,ã,Šã€12.1(3)XT2ã
12.1XU	è,,†å¼±æ€šãªã—
12.1XV	12.1(5)XV1ã,ã,Šã%ã®ãfªãfªãf¼ã,ªã«ã—è,,†å¼±æ€šãœã,ã,Šã€12.1(5)XV1ã
12.1XW	è,,†å¼±æ€šã,ã,Š(æœƒå^ã®ä¿®æfã 12.3)
12.1XX	è,,†å¼±æ€šã,ã,Š(æœƒå^ã®ä¿®æfã 12.3)
12.1XY	è,,†å¼±æ€šã,ã,Š(æœƒå^ã®ä¿®æfã 12.3)
12.1XZ	è,,†å¼±æ€šã,ã,Š(æœƒå^ã®ä¿®æfã 12.3)
12.1YA	è,,†å¼±æ€šã,ã,Š(æœƒå^ã®ä¿®æfã 12.3)

12.1YB	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.1YC	è,,†å¼±æ€§šãªã—
12.1YD	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.1YE	12.1(5)YE1ã,ã,Šã%ã®ãªãªãª¼ã,ãª«ã-è,,†å¼±æ€§šãœã,ã,Šã 12.1(5)YE1ã
12.1YF	è,,†å¼±æ€§šãªã—
12.1YG	è,,†å¼±æ€§šãªã—
12.1YH	è,,†å¼±æ€§šãªã—
12.1YI	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.1YJ	è,,†å¼±æ€§šãªã—
Affected 12.2-Based Releases	
12.2	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)
12.2B	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.2BC	è,,†å¼±æ€§šãªã—
12.2BW	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3)

12.2BY	è,,†å¼±æ€§šã,ã,Š(æœ€å^ã®ä¿®æfã 12.4)
12.2BZ	è,,†å¼±æ€§šãã—
12.2CX	è,,†å¼±æ€§šãã—
12.2CY	è,,†å¼±æ€§šãã—
12.2CZ	è,,†å¼±æ€§šãã—
12.2DA	è,,†å¼±æ€§šãã—
12.2DD	è,,†å¼±æ€§šã,ã,Š(æœ€å^ã®ä¿®æfã 12.4)
12.2DX	è,,†å¼±æ€§šã,ã,Š(æœ€å^ã®ä¿®æfã 12.4)
12.2EU	è,,†å¼±æ€§šãã—
12.2EW	è,,†å¼±æ€§šãã—
12.2EWA	è,,†å¼±æ€§šãã—
12.2EX	12.2(20)EXã,ã,Šã%ã®ãfãfãf¼ã,ã«ã—è,,†å¼±æ€§šã€ã,ã,Šã€12.2(20)EXã
12.2EY	è,,†å¼±æ€§šãã—
12.2EZ	è,,†å¼±æ€§šãã—
12.2FX	è,,†å¼±æ€§šãã—

12.2SCA	è,,†å¼±æ€§ãªã—
12.2SE	è,,†å¼±æ€§ãªã—
12.2SEA	è,,†å¼±æ€§ãªã—
12.2SEB	è,,†å¼±æ€§ãªã—
12.2SEC	è,,†å¼±æ€§ãªã—
12.2SED	è,,†å¼±æ€§ãªã—
12.2SEE	è,,†å¼±æ€§ãªã—
12.2SEF	è,,†å¼±æ€§ãªã—
12.2SEG	è,,†å¼±æ€§ãªã—
12.2SG	12.2(44)SG
12.2SGA	è,,†å¼±æ€§ãªã—
12.2SL	è,,†å¼±æ€§ãªã—
12.2SM	è,,†å¼±æ€§ãªã—
12.2SO	è,,†å¼±æ€§ãªã—
12.2SRA	12.2(33)SRA6

12.2SRB	12.2(33)SRB3i1/4^2008a1'4æœ^7æ—Ÿã«å...Ÿæ%oo<å`èf1/2i1/4%o
12.2SRC	è,,†å1/4±æ€§ãã—
12.2SU	è,,†å1/4±æ€§ãã,ã,Š(æœ€å^ã®ä¿®æfã 12.4)
12.2SV	12.2(29a)SV1ã,ã,Šã%ã®ãfããfãf1/4ã,1ã«ã`è,,†å1/4±æ€§ããæãã,ã,Šã€ 12.2(29a)
12.2SVA	è,,†å1/4±æ€§ããã—
12.2SVC	è,,†å1/4±æ€§ããã—
12.2SVD	è,,†å1/4±æ€§ããã—
12.2SW	12.2(25)SW10ã,ã,Šã%ã®ãfããfãf1/4ã,1ã«ã`è,,†å1/4±æ€§ããæãã,ã,Šã€ 12.2(25)
12.2SX	è,,†å1/4±æ€§ãã,ã,Š(æœ€å^ã®ä¿®æfã 12.2SXF)
12.2SXA	è,,†å1/4±æ€§ãã,ã,Š(æœ€å^ã®ä¿®æfã 12.2SXF)
12.2SXB	è,,†å1/4±æ€§ãã,ã,Š(æœ€å^ã®ä¿®æfã 12.2SXF)
12.2SXD	è,,†å1/4±æ€§ãã,ã,Š(æœ€å^ã®ä¿®æfã 12.2SXF)
12.2SXE	è,,†å1/4±æ€§ãã,ã,Š(æœ€å^ã®ä¿®æfã 12.2SXF)
12.2SXF	12.2(18)SXF12 12.2(18)SXF12a

12.2SXH	12.2(33)SXH1
12.2SY	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã 12.2SXF)
12.2SZ	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã 12.2S)
12.2T	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã 12.3)
12.2TPC	12.2(8)TPC10d
12.2UZ	è,,†â¼±æ€§ãªã—
12.2XA	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã 12.3)
12.2XB	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã 12.3)
12.2XC	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã 12.4)
12.2XD	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã 12.3)
12.2XE	è,,†â¼±æ€§ãªã—
12.2XF	è,,†â¼±æ€§ãªã—
12.2XG	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã 12.3)
12.2XH	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã 12.3)

12.2XI	è,,†å¼±æ€šă ^a ă—
12.2XJ	è,,†å¼±æ€šă,ă,Š(æœƒă [^] ăă@ăž@æfă ⁻ 12.3)
12.2XK	è,,†å¼±æ€šă,ă,Š(æœƒă [^] ăă@ăž@æfă ⁻ 12.3)
12.2XL	è,,†å¼±æ€šă,ă,Š(æœƒă [^] ăă@ăž@æfă ⁻ 12.3)
12.2XM	è,,†å¼±æ€šă,ă,Š(æœƒă [^] ăă@ăž@æfă ⁻ 12.3)
12.2XN	12.2(33)XN1
12.2XO	è,,†å¼±æ€šă ^a ă—
12.2XQ	è,,†å¼±æ€šă,ă,Š(æœƒă [^] ăă@ăž@æfă ⁻ 12.3)
12.2XR	è,,†å¼±æ€šă ^a ă—
12.2XS	è,,†å¼±æ€šă ^a ă—
12.2XT	è,,†å¼±æ€šă,ă,Š(æœƒă [^] ăă@ăž@æfă ⁻ 12.3)
12.2XU	è,,†å¼±æ€šă,ă,Š(æœƒă [^] ăă@ăž@æfă ⁻ 12.3)
12.2XV	è,,†å¼±æ€šă,ă,Š(æœƒă [^] ăă@ăž@æfă ⁻ 12.3)
12.2XW	è,,†å¼±æ€šă,ă,Š(æœƒă [^] ăă@ăž@æfă ⁻ 12.3)
12.2YA	12.2(4)YA8ă,ă,Šă%ăă@ăf ^a ăf ^a ăf ^a ă,1ă«ăă ⁻ è,,†å¼±æ€šăăăăă,ă,Šăă12.2(4)YA8

12.2YB	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã 12.3)
12.2YC	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã 12.3)
12.2YD	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã 12.4)
12.2YE	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã 12.2S)
12.2YF	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã 12.3)
12.2YG	è,,†â¼±æ€§ã ^a ã—
12.2YH	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã 12.3)
12.2YJ	12.2(8)YJ1ã,ã,Šã%ã®ãfãfãfãfã,1ã«ã ⁻ è,,†â¼±æ€§ããœã,ã,Šã€12.2(8)YJ1ã
12.2YK	è,,†â¼±æ€§ã ^a ã—
12.2YL	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã 12.4)
12.2YM	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã 12.4)
12.2YN	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã 12.4)
12.2YO	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã 12.2SXF)
12.2YP	è,,†â¼±æ€§ã ^a ã—

12.2ZE	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æfã 12.3)
12.2ZF	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æfã 12.4)
12.2ZG	è,,†å¼±æ€§ã ^a ã—
12.2ZH	12.2(13)ZH6ã,^ã,Šã%ã®ãf ^a ãf ^a ãf¼ã,¹ã«ã ⁻ è,,†å¼±æ€§ãœã,ã,Šã€12.2(13)ZH
12.2ZJ	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æfã 12.4)
12.2ZL	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æfã 12.4)
12.2ZP	è,,†å¼±æ€§ã ^a ã—
12.2ZU	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æfã 12.2SXH)
12.2ZY	12.2(18)ZY2
Affected 12.3-Based Releases	
12.3	12.3(24)
12.3B	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æfã 12.4)
12.3BC	è,,†å¼±æ€§ã ^a ã—
12.3BW	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æfã 12.4)

12.3XD	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.3XE	12.3(2)XE6i¼^2008å¹3æœ^31æ—¥ã«å...¥æ%o<ã-èf½i¼%o
12.3XF	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.3XG	è,,†å¼±æ€§ã 12.3YG ãsã^ã¿®æƒã€2008å¹6æœ^16æ—¥ã«å...¥æ%o<ã-èf½
12.3XH	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.3XI	12.3(7)XI1i¼^2008å¹9æœ^18æ—¥ã«å...¥æ%o<ã-èf½i¼%o
12.3XJ	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3YX)
12.3XK	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.3XQ	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.3XR	12.3(7)XR8i¼^2008å¹3æœ^31æ—¥ã«å...¥æ%o<ã-èf½i¼%o
12.3XS	è,,†å¼±æ€§ãã—
12.3XU	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4T)
12.3XW	è,,†å¼±æ€§ã,ã,Š(æœƒå^ã®ä¿®æƒã 12.3YX)

12.3YX	12.3(14)YX11
12.3YZ	12.3(11)YZ3
Affected 12.4-Based Releases	
12.4	12.4(10c) 12.4(13e) 12.4(16b) 12.4(17) 12.4(3h) 12.4(8d)
12.4JA	è,,†â¼±æ€§ãªã—
12.4JK	è,,†â¼±æ€§ãªã—
12.4JMA	è,,†â¼±æ€§ãªã—
12.4JMB	è,,†â¼±æ€§ãªã—
12.4JMC	è,,†â¼±æ€§ãªã—
12.4JX	è,,†â¼±æ€§ãªã—
12.4MD	è,,†â¼±æ€§ãªã—

12.4MR	è,,†â¼±æ€§ãª—
12.4SW	è,,†â¼±æ€§ãª,ã,Šã€TACãª«ãªŠã•ªãª,,ãª^ã,ªãª>ãªªãªãª•ãª,,
12.4T	12.4(15)T2 12.4(6)T10 12.4(9)T7
12.4XA	è,,†â¼±æ€§ãª,ã,Š(æœ€â^ªãª®ä¿®æ£ãª 12.4T)
12.4XB	12.4(2)XB6
12.4XC	è,,†â¼±æ€§ãª,ã,Šã€TACãª«ãªŠã•ªãª,,ãª^ã,ªãª>ãªªãªãª•ãª,,
12.4XD	12.4(4)XD10
12.4XE	12.4(6)XE2
12.4XF	è,,†â¼±æ€§ãªª—
12.4XG	12.4(9)XG2
12.4XJ	è,,†â¼±æ€§ãª,ã,Š(æœ€â^ªãª®ä¿®æ£ãª 12.4T)
12.4XK	è,,†â¼±æ€§ãª,ã,Š(æœ€â^ªãª®ä¿®æ£ãª 12.4T)
12.4XL	12.4(15)XL2
12.4XM	è,,†â¼±æ€§ãªª—

1.3		
ãfãf“ã,ãfšãf³ 1.2	2008å¹³æœ²31æ—¥	IOS First Fixed Tableã, 'æfã—ã,,ãftãf¼ãf-ãf«ã«ç½@ãæ
ãfãf“ã,ãfšãf³ 1.1	2008å¹³æœ²29æ—¥	ã,çãf%ãfã,ãã,¶ã,¶ãfãID cisco-sa-20080326-IPv4IPv6 i¼^IPv4IPv6ãf‡ãf¥ã,çãf«ã,¹ã,¿ãffã,¬ãf«ãf¼ã,¿ã«é-Çã™ã
ãfãf“ã,ãfšãf³ 1.0	2008å¹³æœ²26æ—¥	ã^ç%ãfãfãf¼ã,¹

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æœ¬ã,çãf%ãfã,ãã,¶ã,¶ãfããç,,iäçè”¼ã®ã,,ã®ã”ã—ã|ã”æãã¼ã—ã|ãšã,šã€æœ¬ã,çãf%ãfã,ãã,¶ã,¶ãfãã®æf...ã±ãšã,^ã³ãfãf³ã,¬ã®ã½ç””ã«é-Çã™ã,«è²-ã»ã®ã,ã¼ãÿã€ã,ã,¹ã,³ã¬æœ¬ãf%ãã,ãf¥ãfjãf³ãf^ã®ãt...ã®¹ã,¹ã^ãšããã—ã«ã%ãæ’ã—ãæœ¬ã,çãf%ãfã,ãã,¶ã,¶ãfãã®è”~èç°ãt...ã®¹ã«é-Çã—ã|æf...ã±è...ãçjã® URLã,çœçç¥ã—ã€ããçç<ã®è»çè¼%ã,,,æ,,è”³ã,æ-½ã—ãÿã’ã^ã€ã½”ç³¼ãÇç®jçãã”ã®ãf%ãã,ãf¥ãfjãf³ãf^ã®æf...ã±ã¬ãã,ã,¹ã,³è£½ã”ã®ã,¬ãfãf%ãf¼ã,¶ã,¹ã³¼è±j

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。