Cisco IOS XE ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã€Šã,ˆã€³ Cisco ASA 5500-X ã,·ãƒªãƒ¼ã,ºé€©å¿œåž‹ã,»ã,ãƒ¥ãƒªãƒ†ã,£ ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹ã€® IPsec ã,µãƒ¼ãƒ“ã,¹å¦¨å®³ï¼ˆDoSï¼‰ã€®è„†å¼±æ€

High

ã,¢ãƒ‰ãƒ€ã,¤ã,¶ãƒªãƒ¼ID : cisco-sa-20180926-ipsec

CVE-2018-0472

åˆ€å…¬é–‹æ—¥ : 2018-09-26 16:00

æœ€çµ‚æ›´æ–°æ—¥ : 2018-09-28 14:12

ãƒ€ãƒ¼ã,¸ãƒ§ãƒ³ 1.1 : Final

CVSSã,¹ã,³ã,¢ : 8.6

å›žé€¿ç– : No workarounds available

Cisco ãƒ€ã,° ID : CSCvh04189 CSCvf73114 CSCvi30496 CSCvg37952 CSCvh04591

æ—¥æœ¬èªžã«ã,ˆã,‹æƒ…å ±ã¯ã€è‹±èªžã«ã,ˆã,‹åŽŸæ–‡ã®é€žå…¬å¼€ã

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è¤‡æ•°ã® Cisco IOS XE ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ãƒ—ãƒ©ãƒƒãƒˆãƒ•ã,©ãƒ¼ãƒ ã€Šã,ˆã€³ Cisco ASA 5500-X ã,·ãƒªãƒ¼ã,ºé€©å¿œåž‹ã,»ã,ãƒ¥ãƒªãƒ†ã,£ ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹ï¼ˆASAï¼‰ã€® IPsec ãƒ‰ãƒ©ã,¤ãƒ
ã,³ãƒ¼ãƒ‰ã€®è„†å¼±æ€§ã€«ã,ˆã,Šã€è³¼èª¿ã•ã,Œã¦ã¦ã„ãªã„ãƒãƒ¼ãƒˆæ”»æ’ƒè€…ã

ã"ã®è„†å¼±æ€§ã¯ã€ä¸€æ£ªã«ãªã½¢å¼ã®ã® IPsec Authenticatoin Headerï¼ˆAHï¼‰ã¾ãŸã¯ Encapsulating Security Payloadï¼ˆESPï¼‰ãƒ‘ã,±ãƒƒãƒˆã®ä¸é©©å‡ºãªå‡¦ç†ã€Œå ŽÅ› ã§ç™ºç"Ÿã—ã¾ã™ã€‚IPSec ãƒ‘ã,±ãƒƒãƒˆã,'é€ä¿¡ã™ã,‹ã"ã¨ã§ã"ã®è„†å¼±æ€§ã,'ã,¨ã,¯ã,¹ãƒ—ãƒã,¤ãƒˆã™ã,‹å

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ã"ã®ã,¢ãƒ‰ãƒã,¤ã,¶ãƒªã¯ã€æ¬¡ã®ãƒªãƒ³ã,¯ã,ˆã,Šç¢ºèªã§ã§ã¾ã™ã€,
https://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20180926-ipsec

ã"ã®ã,¢ãƒ‰ãƒã,¤ã,¶ãƒªã¯ã€2018 å¹´ 9 æœˆ 26 æ—¥ã«å…¬é–‹ã•ã,Œã¦Ÿ 13

ä»¶ã€®è„†å¼±æ€§ã€«é–¢ã€™ã‚‹ 12 ä»¶ã€®ã‚·ã‚¹ã‚³ ã‚»ã‚ãƥãƣãƆã‚£ã‚¢ãƉãƥã‚¤ã‚¶ãƪå«ã€€ Cisco IOS ã‚½ãƒ•ãƈã‚¦ã‚§ã‚¢ã€Šã€‹ã€ IOS XE ã‚½ãƒ•ãƈã‚¦ã‚§ã‚¢ ãƪãƪãƒ¼ã‚¹ã€®ã‚»ã‚ãƥãƣãƆã‚£ã‚¢ãƉãƥã‚¤ã‚¶ãƪå…¬é–‹è³‡æ–™ã€®ä¸€éƨ¨ã€§ã€™ã€‚ã‚·ã‚¹ã‚³ã‚¤ãƪãƳãƈã€¯ã€®ä¸

[Cisco Event Response: September 2018 Semiannual Cisco IOS and IOS XE Software Security Advisory Bundled Publicationã€‚ã‚’å‚ç…§ã—ã¦ãã ã•ã„ã€‚]

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ã“ã®è„†å¼±æ€§ã¯ã€Cisco IOS XE ã‚½ãƒ•ãƈã‚¦ã‚§ã‚¢ã€Šã€‹ã€ Cisco ASA ã‚½ãƒ•ãƈã‚¦ã‚§ã‚¢ã€Šã€‹ã€ Cisco Firepower Threat Defenseï¼ˆFTDï¼‰ã‚½ãƒ•ãƈã‚¦ã‚§ã‚¢ã€Šã€‹ã€ Cisco 5500-X ã‚·ãƪãƼã‚ºé©¿åž‹ã‚»ã‚ュリãƥã‚£ã‚¢ãƉãƥã‚¤ã‚¶ãƪãƳãƈã‚¢ãƒƉãƒ©ã‚¤ï¼ˆASAï¼‰ã‚’è¨Œè¼‰ã—ã¦ã„ã‚‹è¤‡æ•°ã®ãƗãƩãƆãƫãƩãƼãƫ

- [Cisco IOS XE ã‚½ãƒ•ãƈã‚¦ã‚§ã‚¢]
- [Cisco ASA ã‚½ãƒ•ãƈã‚¦ã‚§ã‚¢ã€Šã€‹ Firepower Threat Defense ã‚½ãƒ•ãƈã‚¦ã‚§ã‚¢ã€Œã‚¤ãƳãƈãƼãƫã•ã‚Œã¦ã„ã‚‹ Cisco ASA 5500-X ã‚·ãƪãƼã‚º]

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Cisco IOS XE ã‚½ãƒ•ãƈã‚¦ã‚§ã‚¢

ã“ã®è„†å¼±æ€§ã¯ã€æ¬¡ã®è£½å“ã«å½±éŸ¿ã‚’ä¸Žã—ã¾ã™ã€‚ã€Œã‚½ãƒ•ãƈã‚¦ã‚§ã‚¢ãƪãƼã‚¸ãƧãƳã€ã‚’å½±éŸ¿ã‚’å—ã‘ã‚‹ Cisco IOS XE ã‚½ãƒ•ãƈã‚¦ã‚§ã‚¢ã«å½±éŸ¿ã‚’ä¸Žã¾ã™ã€‚ã‚ã‚ã®ä»–ã®ãƗãƩãƆãƫãƩãƼãƫã¯ã€å½±

- Cisco ASR 1000 ã‚·ãƪãƼã‚º ã‚¢ã‚°ãƪã‚²ãƼã‚·ãƧãƳ ãƫãƼãƓã‚¹ ãƫãƼãƓ
  - ASR 1001-X
  - ASR 1001-HX
  - ASR 1002-X
  - ASR 1002-HX
  - Cisco ASR 1000 ã‚·ãƪãƼã‚º 100 Gbps ã‚¨ãƳãƙãƇãƒãƉ ãƫãƼãƓ ãƗãƩãƆãƫãƩãƼãƫï¼ˆASR1000-ESP100ï¼‰
  - Cisco ASR 1000 ã‚·ãƪãƼã‚º 200 Gbps ã‚¨ãƳãƙãƇãƒãƉ ãƫãƼãƓ ãƗãƩãƆãƫãƩãƼãƫï¼ˆASR1000-ESP200ï¼‰
- Cisco 4000 ã‚·ãƪãƼã‚º ã‚µãƼãƓã‚¹çµ±å•ˆåž‹ãƼãƫã‚¿ï¼š
  - ISR 4431
  - ISR 4451-X

Cisco IOS XE ã‚½ãƒ•ãƈã‚¦ã‚§ã‚¢ã€ã‚¹ãƆãƫãƆ ã€Œ IPsec VPN

æŽ¥ç¶šã,'çµ,äº†ã€™ã,‹ã,^ã€†ã€«è¨å®šã€•ã,Œã€¦ã€„ã,‹å´å´ å´å€^ã€€ã€"ã€®è„†å¼±æ€§ã€®

- LAN é–“ VPN
- ãƒªãƒ¢ãƒ¼ãƒˆã,¢ã,¯ã,»ã,¹ VPNï¼^SSL VPN ã,'é™¤ã€€ï¼‰
- Dynamic Multipoint VPNï¼^DMVPNï¼‰
- FlexVPN
- Group Encrypted Transport VPNï¼^GET VPNï¼‰
- IPsec ä»®æƒ³ãƒˆãƒ³ãƒ«ãƒ« ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,§ã,¤ã,¹ï¼^VTIï¼‰
- IPsec ã€«ã,^ã,‹ Open Shortest Path First ãƒ«ãƒ¼ã,¸ãƒ§ãƒ³ 3ï¼^OSPFv3ï¼‰è¤‡è¨¼ã€®ã,µãƒ«ãƒ¼ãƒˆ

Cisco IOS XE ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã,'å®Ÿè¡Œã€—ã€¦ã€„ã,‹ãƒ‡ãƒ«ã,¤ã,¹ã€Œ IPsec VPN æŽ¥ç¶šã,'çµ,äº†ã€™ã,‹ã,^ã€†ã€«è¨å®šã€•ã,Œã€¦ã€„ã,‹å´å€^ã€€å°'ã€ªã€€ã€¨ã,, 1 ã€¤ã€®ã,¤ã,¹ã,¿ãƒ¼ãƒ•ã,§ã,¤ã,¹ã€«å¯¾ã€—ã€¦æš—å€·ãƒžãƒƒãƒ—ã,'è¨å®šã€™ã,‹ã€‹ã€€ã IPsec VTI ã,'ä½¿ç"¨ã€—ã€¦ãƒ‡ãƒ«ã,¤ã,¹ã,'è¨å®šã€™ã,‹å¿…è¦ã€Œã€,ã,Šã€¾ã€™ã€,

ç®¡ç€†è€…ã€¯ **show running-config ã,³ãƒžãƒ³ãƒ‰ã,'ä½¿ç"¨ã€—ã€¦ã€€å°'ã€ªã€€ã€¨ã,, 1 ã€¤ã€®ã,¢ã,¯ãƒ†ã,£ãƒ–ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,§ã,¤ã,¹ã€§è¨å®šã€•ã,Œã€¦ã€„ã,‹æš—å€·ãƒžãƒƒãƒ—ã€Œã,³ãƒžãƒ³ãƒ‰** 0/0/0 ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,§ã,¤ã,¹ã€«è¨å®šã€•ã,Œã€¦ã€„ã,‹ *map-group1 ã€¨ã€„ã€†å€€å‰Œã€®æš—å€·ãƒžãƒƒãƒ—ã,'ç¤ºã€—ã€¦ã€„ã€¾ã€™ã€,*

```
<#root>

Router#

show running-config

<!-- Output Omitted -->
interface GigabitEthernet0/0/0


crypto map map-group1
```

ç®¡ç€†è€…ã€¯ **show running-config ã,³ãƒžãƒ³ãƒ‰ã,'ä½¿ç"¨ã€—ã€¦ã€€å°'ã€ªã€€ã€¨ã,, 1 ã€¤ã€®ãƒˆãƒ³ãƒãƒ« ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,§ã,¤ã,¹ã€§è¨å®šã€•ã,Œã€¦ã€„ã,‹ tunnel protection ipsec profile ã€Œã,³ãƒžãƒ³ãƒ‰ã€®å‡ºåŠ›ã€«å€«ã¾ã,Œã€¦ã€„ã,‹ã€"ã€¨ã,'ç¢ºèªã€™ã,‹å¿…è¦** ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,§ã,¤ã,¹ã,'ç¤ºã€—ã€¦ã€„ã€¾ã€™ã€,

```
<#root>
```

```
Router#
```

```
show running-config
```

```
interface tunnel 0
tunnel mode ipsec ipv4
```

```
tunnel protection ipsec profile PROF1
```

æ³¨ï¼šIPsec VPNã¯¯ãƒ‡ãƒ•ã,©ãƒ«ãƒˆã§§ã¯¯è¨å®šã•ã,Œã¦¦ã„ã„ã¾ã›ã,"ã€,

Cisco IOS XE ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã,'å®Ÿè¡Œã——ã¦¦ã„ã,‹ãƒ‡ãƒ•ã,¤ã,¹ã§Œ IPsec ã«ã,ˆã,‹ OSPFv3
èª•è¨¼ã,'ã,µãƒ•ãƒ¼ãƒˆã™ã,‹ã,ˆã†ã«è¨å®šã•ã,Œã¦¦ã„ã,‹å´å•ˆã€•å®Ÿè¡Œã,³ãƒ³ãƒ•ã

- ipv6 ospf encryption
- ipv6 ospf authentication
- ospfv3 authentication ipsec
- ospfv3 encryption ipsec
- area <area-id> authentication ipsec
- area <area-id> encryption ipsec
- area <area-id> virtual-link <router-id> authentication ipsec spi
- area <area-id> virtual-link <router-id> encryption ipsec spi

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èª•è¨¼ã•®ã,µãƒ•ãƒ¼ãƒˆç"¨ã•«è¨å®šã•ã,Œã¦¦ã„ã,‹ãƒ‡ãƒ•ã,¤ã,¹ã,'ç¤ºã——ã¦¦ã„ã¾¾

<#root>

```
Router#
```

```
show running-config
```

```
interface GigabitEthernet0/1
```

```
ospfv3 authentication ipsec spi 256 md5
```

```
 0102030405060708091001020304050 6
```

Cisco IOS XE ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ãƒªãƒªãƒ¼ã,¹ã•®å^¤å^¥

ãƒ‡ãƒ•ã,¤ã,¹ä¸Šã•§å®Ÿè¡Œã••ã,Œã¦¦ã„ã,‹ Cisco IOS XE ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ãƒªãƒªãƒ¼ã,¹ã¯¯ã€•ç•¡ç•†è€…ã•Œãƒ‡ãƒ•ã,¤ã,¹ã•«ãƒã,°ã,¤ãƒ³ã•—ã¦¦ã€•CLI ã•§ **show version ã,³ãƒžãƒ³ãƒ‰ã,'å®Ÿè¡Œã——ã€•è¨¨ç¤ºã••ã,Œã,‹ã,·ã,¹ãƒ†ãƒ ãƒ•ãƒŠãƒ¼ã,'å•,ç…§ã•™ã,‹ã•"ã¨«ã,ˆã,Šç¢ºèª•ã•§ã••ã•¾ã•™ã€,**ãƒ‡ãƒ•ã,¤ã,¹ã•Cisco IOS XE ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã,'å®Ÿè¡Œã——ã¦¦ã„ã,‹å´å•ˆã€•ã,·ã,¹ãƒ†ãƒ ãƒ•ãƒŠãƒ¼ã•«ã€Œ*Cisco IOS Software*ã€•ã€•ã€Œ*Cisco IOS XE*

*Software*ã€�ã�ªã�©ã�®ãƒ†ã,ã,¹ãƒˆã�Œè¡¨ç¤ºã�•ã,Œã�¾ã�™ã€,

æ¬¡ã�«ã€�Cisco IOS XR ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ãƒªãƒªãƒ¼ã,¹ 16.2.1 ã�Œå®Ÿè¡Œã•ã,Œã�¦ã�„ã�¦ã€�ã,¤ãƒ³ã,¹ãƒˆãƒ¼ãƒ«ã•ã,Œã�¦ã�„ã,‹ã,¤ãƒ¡ãƒ¼ã,¸å��ã�
CAT3K_CAA-UNIVERSALK9-M
ã�§ã�,ã,‹ãƒ‡ãƒ•ã,¤ã,¹ã�§ã�®ã,³ãƒžãƒ³ãƒ‰ã�®å‡ºåŠ›ä¾‹ã,’ç¤ºã�—ã�¾ã�™ã€,

```
<#root>

ios-xe-device#

show version


Cisco IOS Software, Catalyst L3 Switch Software (CAT3K_CAA-UNIVERSALK9-M), Version Denali 16.2.1, REL
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2016 by Cisco Systems, Inc.
Compiled Sun 27-Mar-16 21:47 by mcpre
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```

Cisco IOS XE ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ãƒªãƒªãƒ¼ã,¹ã�®å‘½å��ã�¨ç•ªå·ä»˜ã�‘ã�®è¦�å‰‡ã�«é–¢ã�™ã,‹è©³ç´°ã�¯ã€�ã€ŽCisco IOS and NX-OS Software Reference Guideã€�ã,’å�,ç…§ã�—ã�¦ã��ã� ã�•ã�„ã€,

Cisco ASA ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã€�ã�Šã,^ã�³ Firepower Threat Defense ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�Œã,¤ãƒ³ã,¹ãƒˆãƒ¼ãƒ«ã�•ã,Œã�¦ã�„ã,‹ Cisco ASA 5500-X ã,·ãƒªãƒ¼ã,º

ã�“ã�®è„†å¼±æ€§ã�¯ã€�æ¬¡ã�®è£½å“�ã�§å®Ÿè¡Œä¸ã�® Cisco ASA ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�¾ã�Ÿã�¯ Cisco FTD ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�«å½±éŸ¿ã,’å�Šã�¼ã�—ã�¾ã�™ã€,ã��ã�®ä»–ã�®ãƒ¢ãƒ‡ãƒ«ã�¯å½±

Cisco ASA 5500-X ã,·ãƒªãƒ¼ã,ºé©å¿œåž‹ã,»ã,ãƥãƪãƆã,£ ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƳã,¹ï¼š

- ASA 5506-X ã,·ãƪãƼã,º
- ASA 5508-X ã,·ãƪãƼã,º
- ASA 5516-X ã,·ãƪãƼã,º

å½±éŸ¿ã,’å�—ã�‘ã,‹ãƪãƪãƼã,¹ã�®è©³ç´°ã�«ã�¤ã�„ã�¦ã�¯ã€�æœ¬ã,»ã,ãƥãƪãƆã,£ã,¢ãƒ‰ãƒ�ã,¤ã,¶ãƪã�®ã€Œä¿®æ£æ¸ˆã�¿ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã€�ã,»ã,¯ã,·ãƧãƳã,’å�,ç…§ã�—ã

Cisco ASA ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�¯ã€�ã,·ã,¹ãƆãƒ ã�Œ IPsec VPN æŽ¥ç¶šã,’çµ,äº†ã�™ã,‹ã,^ã�†ã�«è¨å®šã�•ã,Œã�¦ã�„ã,‹å ´å�^ã€�ã�“ã�®è„†å¼±æ€§ã�®

- LAN é–“ IPsec VPN
- IPsec VPN ã,¯ãƒ©ã,¤ã,¢ãƒ³ãƒˆã,'ä½¿ç"¨ã—ã•ãŸãªãƒ¢ãƒ¼ãƒ‰ ã,¢ã,¯ã,»ã,¹ VPN
- Layer 2 Tunneling Protocolï¼^L2TPï¼‰-over-IPsec VPN æŽ¥ç¶š

Cisco FTD ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã¯¯ã€•ã,·ã,¹ãƒ†ãƒ ã•Œ IPsec VPN
æŽ¥ç¶šã,'çµ,äº†ã™ã,‹ã,^ㆠ㫨許å®šã•ã,Œã¦ã„ã‹å´å•^ã€•ã"ã®è„†å¼±æ€§ã®

- ã,µã,¤ãƒˆé–“ IPsec VPN
- IPsec VPN ã,¯ãƒ©ã,¤ã,¢ãƒ³ãƒˆã,'ä½¿ç"¨ã—ã•ãŸãªãƒ¢ãƒ¼ãƒ‰ ã,¢ã,¯ã,»ã,¹ VPN

Cisco ASA ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã,„ Cisco FTD
ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã¯¯ã€•ã,·ã,¹ãƒ†ãƒ ã•Œä»¥ä¸‹ã•® VPN
æŽ¥ç¶šã• ã•'ã,'çµ,äº†ã™ã,‹ã,^ㆠ㫨許å®šã•ã,Œã¦ã„ã‹å´å•^ã€•ã"ã®è„†å¼±æ

- ã,¯ãƒ©ã,¤ã,¢ãƒ³ãƒˆãƒ¬ã,¹ SSL
- AnyConnect SSL

IPsec VPN æŽ¥ç¶šã,'çµäº†ã™ã,‹ã,^ㆠ㫨許å®šã•ã,Œã¦ã„ã‚‹ Cisco ASA
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ã•¤ã•®ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,§ã,¤ã,¹ã•«æš—å•·ãƒžãƒƒãƒ—ã,'è¨å®šã•™ã,‹å¿…è¦•ã•Œã•,ã,Šã•¾
show running-config crypto map | include
interfaceã,³ãƒžãƒ³ãƒ‰ã,'ä½¿ç"¨ã•—ã•¦ã€•å‡ºåŠ›ã•Œè¿"ã••ã,Œã,‹ã•"ã•¨ã,'ç¢ºèª•ã••—ã•¾ã
outside_map
ã•¨ã•„ã•†å••å‰•ã•®æš—å•·ãƒžãƒƒãƒ—ã,'ç¤ºã•—ã•¦ã•„ã•¾ã•™ã€,

```
<#root>

ciscoasa#
show running-config crypto map | include interface

crypto map outside_map interface outside
```

æ³¨ï¼šIPsec VPNã•¯ãƒ‡ãƒ•ã,©ãƒ«ãƒˆã•§ã•¯è¨å®šã••ã,Œã•¦ã•„ã•¾ã•›ã,"ã€,

Cisco FTD ã,'å®Ÿè¡Œã•—ã•¦ã•„ã,‹ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹ã•Œã€•IPsec VPN
ã,¯ãƒ©ã,¤ã,¢ãƒ³ãƒˆã,'ä½¿ç"¨ã™ã,‹ã,µã,¤ãƒˆé–“ VPN æŽ¥ç¶šã,„ãƒªãƒ¢ãƒ¼ãƒˆ ã,¢ã,¯ã,»ã,¹
VPN
æŽ¥ç¶šã,'æŒ‡å®šã•—ã•¦è¨å®šã••ã,Œã•¦ã•„ã,‹ã•‹ã•©ã•†ã•‹ã,'ç¢ºèª•ã•™ã,‹ã•Ÿã,•
show running-config
ã,³ãƒžãƒ³ãƒ‰ã,'ä½¿ç"¨ã•™ã,‹å¿…è¦•ã•Œã•,ã,Šã•¾ã•™ã€,æ¬¡ã•®è¡¨ã•§ã•¯ã€•å·¦ã•®

Cisco FTD ã®æ©Ÿèƒ½ã‚’ç¤ºã—ã¾ã™ã€‚å³å´ã®åˆ—ã¯ **show running-config ã‚³ãƒžãƒ³ãƒ‰ã§è¿”ã•ã‚Œã‚‹èª¬æ˜Žã‚’ç¤ºã—ã¦ã„ã¾ã™ã€‚**

Cisco FTD æ©Ÿèƒ½	**è„†å¼±æ€§ã®å˜åœ¨ã™ã‚‹ã‚³ãƒžãƒ³ãƒ‰ã‚£ãƒ¬ã‚¯ãƒ†ã‚£**
AnyConnect IKEv2 Remote Accessï¼ˆã‚¯ãƒ©ã‚¤ã‚¢ãƒ³ãƒˆã‚µãƒãƒ¼ãƒˆï¼‰[2]	crypto ikev2 enable <interface_name> client-services port <port #> webvpn anyconnect enable
AnyConnect IKEv2 Remote Accessï¼ˆã‚¯ãƒ©ã‚¤ã‚¢ãƒ³ãƒˆã‚µãƒãƒ¼ãƒˆï¼‰[2]	crypto ikev2 enable <interface_name> webvpn anyconnect enable
ã‚µã‚¤ãƒˆé–“ VPN æŽ¥ç¶š [3]	crypto map <crypto_map_name> interface <interface_name>

1 ãƒªãƒ¢ãƒ¼ãƒˆ ã‚¢ã‚¯ã‚»ã‚¹ VPN æ©Ÿèƒ½ã¯ã€Cisco FMC ã® [ãƒ‡ãƒã‚¤ã‚¹ï¼Devicesï¼‰] > [VPN] > [ãƒªãƒ¢ãƒ¼ãƒˆã‚¢ã‚¯ã‚»ã‚¹ï¼Remote Accessï¼‰]ã€ã¾ãŸã¯ Cisco Firepower Device Managerï¼FDMï¼‰ã® [ãƒ‡ãƒã‚¤ã‚¹ï¼Devicesï¼‰] > [ãƒªãƒ¢ãƒ¼ãƒˆã‚¢ã‚¯ã‚»ã‚¹ï¼Remote Access VPNï¼‰] **ã§æœ‰åŠ¹ã«ãªã£ã¦ã„ã¾ã™ã€‚**

2 ãƒªãƒ¢ãƒ¼ãƒˆ ã‚¢ã‚¯ã‚»ã‚¹ VPN æ©Ÿèƒ½ã¯ã€Cisco FTD ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ ãƒªãƒªãƒ¼ã‚¹ 6.2.2 ã«ã‚‰ã‚‚ãƒžãƒ¼ã‚¸ãƒ§ãƒ³ã•ã‚Œã¦ã„ã¾ã™ã€‚

3 ã‚µã‚¤ãƒˆé–“ VPN æ©Ÿèƒ½ã¯ã€Cisco FTD ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ ãƒªãƒªãƒ¼ã‚¹ 6.2.0 ã«ã‚‰ã‚‚ãƒžãƒ¼ã‚¸ãƒ§ãƒ³ã•ã‚Œã¦ã„ã¾ã™ã€‚

Cisco ASA ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ ãƒªãƒªãƒ¼ã‚¹ã®åˆ¤å¥¥

ç®¡ç†è€…ã¯ã€Cisco ASA ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ã®è„†å¼±æ€§ã®ã‚ã‚‹ãƒªãƒªãƒ¼ã‚¹ã‚’ã€ã‚¢ã‚¯ãƒ†ã‚£ãƒ–ãª ASA ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ ãƒªãƒªãƒ¼ã‚¹ 9.2(1) ã‚’å®Ÿè¡Œã—ã¦ã„ã‚‹ã‚¢ã‚¯ãƒ†ã‚£ãƒ–ãª **show version ã‚³ãƒžãƒ³ãƒ‰ã®çµæžœã‚’ç¤ºã—ã¦ã„ã¾ã™ã€‚**

```
<#root>

ciscoasa#

show version | include Version

Cisco Adaptive Security Appliance Software Version 9.2(1)
Device Manager Version 7.4(1)
```

Cisco FTD ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ ãƒªãƒªãƒ¼ã‚¹ã®åˆ¤å¥¥

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```
<#root>

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show version

--------------------[ ftd ]---------------------
Model : Cisco ASA5525-X Threat Defense (75) Version

6.2.2

 (Build 362)
UUID : 2849ba3c-ecb8-11e6-98ca-b9fc2975893c
Rules update version : 2017-03-15-001-vrt
VDB version : 279
-------------------------------------------------
```

Cisco Adaptive Security Device Managerï¼ˆASDMï¼‰ã,’使ç”¨ã�—ã�¦ãƒ‡ãƒ�ã,¤ã,¹ã,’ç®¡ç�†ã�—ã�¦ã�„ã,‹å ´å�ˆã�¯ã€�ãƒ‡ãƒã,¦ã,£ãƒ³ãƒ‰ã,¦ã€�ã�¾ã�Ÿã�¯ Cisco ASDM ã,¦ã,£ãƒ³ãƒ‰ã,¦ã�®å·¦ä¸Šã�«ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ãƒªãƒªãƒ¼ã,¹ã�Œè¡¨ç¤ºã�•ã,Œã�¾ã�™ã€,

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Cisco IOS Software Checker
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IOSã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã€¾ã€Ÿã€¯Cisco IOS
XEã,½ãƒ•ãƒˆã,¦ã,§ã,¢ãƒªãƒªãƒ¼ã,¹ï¼ˆã€Ÿã€¨ã€ˆã€°ã€€**15.1(4)M2**ã,„**3.13.8S**ï¼‰ã,’å…¥åŠ›ã€—ã€¾ã€™ã

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ISRãƒ—ãƒ©ãƒƒãƒˆãƒ•ã,©ãƒ¼ãƒ ä¸Šã€®ä¸€æ£ã€ªIPsecèª¤è¨¼ãƒ˜ãƒƒãƒ€ãƒ¼(AH)ã€Šã,ˆã€³Encapsul
Security
Payload(ESP)ãƒ‘ã,±ãƒƒãƒˆã€«å¯¾ã€—ã€¦ã€“ã€®è„†å¼±æ€§ã€«å¯¾å‡¦ã€—ã€€ASRãƒ—ãƒ©ãƒ

ESPãƒ‘ã‚±ãƒƒãƒˆã�«å¯¾ã�—ã�¦ã�®ã�¿å¯¾å‡¦ã�™ã‚‹ã�¨å^¤æ–ã�—ã¾ã—ã€‚Cisco IOS XE ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ãƒªãƒªãƒ¼ã,¹ 16.8.1 ã�¯ã€�ASR ãƒ—ãƒ©ãƒƒãƒˆãƒ•ã,©ãƒ¼ãƒ ä¸Šã�®ä¸€æ£ã�ª IPsec AH ãƒ‘ã,±ãƒƒãƒˆã�®ã�“ã�®è„†å¼±æ€§ã�«ã�¤ã�„ã�¦å¯¾å¿œã�—ã�¦ã�„ã¾ã›ã‚“ã€‚ASR ãƒ—ãƒ©ãƒƒãƒˆãƒ•ã,©ãƒ¼ãƒ ã�«ã�¤ã�„ã�¦ã�¯ã€�Cisco IOS XE Release 16.8.2. ã�Œã€�Cisco IOS XE ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ãƒªãƒªãƒ¼ã,¹ 16.8 ãƒˆãƒ¬ã,¤ãƒ³ã�‹ã,‰ã�®æœ€å^�ã�®ä¿®æ•´ç‰ˆãƒªãƒªãƒ¼ã,¹ã�§ã�™ã€‚Cisco IOS ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�®ãƒ•ã,§ãƒƒã,¯ã�§ã�¯ã€�ãƒ—ãƒ©ãƒƒãƒˆãƒ•ã,©ãƒ¼ãƒ ã�Œè€ƒæ…®ã�•ã,Œã€16.8.1 ã�«è„†å¼±æ€§ã�Œã�,ã,‹ã�¨è¤ã�£ã¦å ±å‘Šã�—ã¾ã™ã€,

Cisco IOS XE ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ãƒªãƒªãƒ¼ã,¹ã�¨ Cisco IOS ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ãƒªãƒªãƒ¼ã,¹ã�®ãƒžãƒƒãƒ”ãƒ³ã,°ã�«ã�¤ã�„ã�¦ã�¯ã€�Cisco IOS XE ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�®ãƒªãƒªãƒ¼ã,¹ã�«å¿œã�˜ã�¦ã€Œ Cisco IOS XE 2 Release Notesã€�ã€�ã€Œ Cisco IOS XE 3S Release Notesã€�ã€�ã�¾ã�Ÿã�¯ã€Œ Cisco IOS XE 3SG Release Notesã€�ã,’å�,ç…§ã�—ã�¦ã••ã• ã•ã„ã€,

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Cisco ASA ãƒ¡ã,¸ãƒ£ãƒ¼ ãƒªãƒªãƒ¼ã,¹	ã�“ã�®è„†å¼±æ€§ã�«å¯¾ã™ã‚‹æœ€å^�ã�®ä¿®æ£ãƒªãƒªãƒ¼ã,¹
9.31	è©²å½“ã€�ãƒªãƒªãƒ¼ã,¹9.4ã�«ç§»è¡Œ
9.4	9.4.4.18
9.51	è©²å½“ã€�ãƒªãƒªãƒ¼ã,¹9.6ã�«ç§»è¡Œ
9.6	9.6.4.8
9.7	è©²å½“ã€�ãƒªãƒªãƒ¼ã,¹9.8ã�«ç§»è¡Œ
9.8	9.8.2.26
9.9	9.9.2.2

1Cisco ASA ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ãƒªãƒªãƒ¼ã,¹ 9.3 ã�¨ 9.5 ã�¯ã€�ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�®ä¿�å®^å¯¿å‘½ã�® ã,¹ãƒ†ãƒ¼ã,¿ã,¹ã�«é"ã�—ã�¦ã„ã¾ã™ã€,ã•Šå®¢æ§˜ã�¯ã€�ã,µãƒ•ãƒ¼ãƒˆã•,Œã¦ã„ã,‹ãƒª

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ï¯ Cisco.com ã®Software Center ã‹ã‰ [å¯¾ç…§]
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6.2.0	è©²å½“ã€ãƒªãƒªãƒ¼ã‚¹6.2.2.3ã¾ãŸã¯6.2.3.1ä»¥é™ã«ç§»è¡Œã—ã¦ã
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6.2.2	6.2.2.3
6.2.3	6.2.3.1

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[ãƒ•ã‚¡ã‚¤ã‚¢ã‚¦ã‚©ãƒ¼ãƒ«ï¼^Firewallsï¼‰] >
[æ¬¡ä¸–ä»£ãƒ•ã‚¡ã‚¤ã‚¢ã‚¦ã‚©ãƒ¼ãƒ«ï¼^NGFWï¼‰ï¼^Next-Generation Firewalls (NGFW)ï¼‰] ã€«ç§»å‹•ã€€Cisco FTD ãƒ€ãƒ¼ã‚¦ãƒ³ãƒãƒ¼ãƒ‰ã‚¸ã‚§ã‚¯ãƒˆãƒ•ã‚¡ã‚¤ãƒ«ãƒ ã€®ä¸€è¦§ã€Œã€,ã‚‹ Cisco.com ã®** Software Center
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翻訳について
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