Cisco é�©å¿œåž‹ã,»ã,ãƒ¥ãƒªãƒ†ã,£ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹ ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�Šã,ˆã�³ Firepower Threat Defense ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�® IPsec IKEv2 VPN ã�«ã�Šã�'ã,‹æƒ…å ±é–‹ç¤ºã�®è„†å¼±æ€§

High

ã,¢ãƒ‰ãƒ�ã,¤ã,¶ãƒªãƒ¼ID : cisco-sa-asaftd-ipsec-mitm-CKnLr4

å^�å...¬é–‹æ—¥ : 2022-04-27 16:00

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ãƒ�ãƒ¼ã,¸ãƒ§ãƒ³ 1.1 : Final

CVSSã,¹ã,³ã,¢ : 7.4

å›žé�¿ç– : Yes

Cisco ãƒ�ã,° ID : CSCvz81480

CVE-2022-20742

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https://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-asaftd-ipsec-mitm-CKnLr4

ã“ã®ã‚¢ãƒ‰ãƒã‚¤ã‚¶ãƒªãƒ¼ã€2022 å¹´ 4 月ã«å…¬é–‹ã•ã‚Œã Ÿ Cisco ASAã€FTDã€ã‚Šã‚ˆã³ FMC ã®ã‚»ã‚¥ãƒªãƒ†ã‚£ ã‚¢ãƒ‰ãƒã‚¤ã‚¶ãƒªãƒª ãƒ³ã‚°ãƒ‰ãƒ«ã«å«ã¾ã‚Œã¦ã„ã¾ã™ã€‚ã“ã‚Œã‚‰ã®ã‚¢ãƒ‰ãƒã‚¤ã‚¶ãƒªãƒ¨ãƒ
å¹´ 4 月ã«å…¬é–‹ã•ã‚Œã Ÿ Cisco ASAã€FMCã€ã‚Šã‚ˆã³ FTD ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ã®ã‚¢ãƒ‰ãƒã‚¤ã‚¶ãƒªãƒ¼ ãƒ‰ãƒ³ã‚°ãƒ«ã€‚

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- Firepower 4112ã€4115ã€4125ã€ã‚Šã‚ˆã³ 4145 ã‚¢ãƒ—ãƒ©ã‚¤ã‚¢ãƒ³ã‚¹
- SM-40ã€SM-48ã€ã¾ãŸã¯ SM-56 ã‚’å‚™ãˆãŸ Firepower 9300 ã‚·ã‚¹ãƒ†ãƒ£ã‚¢ãƒ—ãƒ©ã‚¤ã‚¢ãƒ³ã‚¹

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IPsec IKEv2 VPN è¨å®šã®ç¢ºèª

IPsec IKEv2 VPN è¨å®šã‚’ç¢ºèªã™ã‚‹ã«ã¯ã€ä¸Šè¨˜ã®æ¡ä»¶ã«ã€Œæº€ãŸã•ã‚Œã¦ã„ã‚‹ã‹ã©ã

- IKEv2 ã€Œ 1 ã¤ä»¥ä¸Šã®ã¤ãƒªãƒ³ã‚¯ãƒ»ã‚¿ãƒ¼ãƒ•ã‚§ãƒ¼ã‚¹ã‚’å¹²æ¸‰ã—ã¦ã„ã¾ã£ã¦ã¦ã„ã‚‹ã‚
- 1 ã¤ä»¥ä¸Šã®è¨å®šæ¸ˆã¿ IPsec IKEv2 ãƒ—ãƒãƒ¼ãƒ«ã«ã€Œ GCM æš—å·ã‚’ä½¿ç”¨ã—ã¦ã„ã‚‹ã‚

IKEv2ã€Œã‚¤ãƒ³ã‚¿ãƒ¼ãƒ•ã‚§ãƒ¼ã‚¹ã‚’å¹²æ¸‰ã—ã¦ã„ã‚‹ã‹ã©ã†ã‹ã‚’ç¢ºèª **running-config crypto ikev2 | include enable** CLI ã‚³ãƒžãƒ³ãƒ‰ã‚’使用ã—ã¾ã™ã€‚ã“ã®ã‚³ãƒžãƒ³ãƒ‰ã€ã‚ˆã‚Šè¿”ã™å ´åˆã¯ã€ã€Œ 1 ã¤ä»¥ä¸Šã®ã¤ãƒªãƒ³ã‚¯ãƒ»ã‚¿ãƒ¼ãƒ•ã‚§ãƒ¼ã‚¹ã‚’å¹²æ¸‰ã—ã¦ã„ã¾ã™ã€‚æ¬¡ã®ã‚ **running-config crypto ikev2 | include enable**

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IKEv2 ã�Œæœ‰åŠ¹ã�«ã�ªã£ã�¦ã�„ã�¾ã�™ã€,

<#root>

firewall#

show running-config crypto ikev2 | include enable

crypto ikev2 enable

 outside client-services port 443

1ã�¤ä»¥ä¸Šã�®IPsec
IKEv2ãƒ—ãƒãƒ•ã‚¡ã,¶ãƒ«ã�ŒGCMæš—å�·ã,'使ç"¨ã�™ã,‹ã,^ã�†ã�«è¨å®šã�•ã,Œã�¦ã�„ã
running-config crypto ipsec | include gcm CLI
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show running-config crypto ipsec | include gcm
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<#root>

firewall#

show running-config crypto ipsec | include gcm

 protocol esp encryption aes-

gcm

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- ASA 5505 ã,·ãƒªãƒ¼ã,ºé�©å¿œåž‹ã,»ã,ãƒ¥ãƒªãƒ†ã,£ ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹

- ASA 5500-X ã,·ãƒªãƒ¼ã,º ãƒ•ã,¡ã,¤ã,¢ã,¦ã,©ãƒ¼ãƒ«
- Cisco Catalyst 6500 ã,·ãƒªãƒ¼ã,º ã,¹ã,¤ãƒƒãƒ•ã�Šã,ˆã�³ Cisco 7600 ã,·ãƒªãƒ¼ã,º ãƒ«ãƒ¼ã,¿ç”¨ã�® ASA ã,µãƒ¼ãƒ“ã,¹ãƒ¢ã,¸ãƒ¥ãƒ¼ãƒ«
- Firepower 1000 ã,·ãƒªãƒ¼ã,º
- Firepower 2100 ã,·ãƒªãƒ¼ã,º
- Firepower 4110ã€�4120ã€�4140ã€�ã�Šã,ˆã�³ 4150 ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹
- SM-24ã€�SM-36ã€�ã€¾ã�Ÿã�¯ SM-44 ã,'å,™ã�ˆã�Ÿ Firepower 9300 ã,·ãƒªãƒ¼ã,º ã,»ã,ãƒ¥ãƒªãƒ†ã,£ ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹
- Firepower Management Centerï¼ˆFMCï¼‰ã,½ãƒ•ãƒˆã,¦ã,§ã,¢
- Firepower Threat Defense Virtualï¼ˆFTDvï¼‰
- æ¬¡ä¸–ä»£ã¾ã…¥é˜²å¾¡ã,·ã,¹ãƒ†ãƒ ï¼ˆNGIPSï¼‰ã,½ãƒ•ãƒˆã,¦ã,§ã,¢

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IPsec IKEv2 ãƒ—ãƒãƒ•ã‚¡ã,¶ãƒ«ã,'ã€GCM
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```
<#root>

firewall#

show running-config crypto ipsec


crypto ipsec ikev2 ipsec-proposal AES-GCM
 protocol esp encryption

aes-gcm


 protocol esp integrity

null
```

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```
<#root>

firewall# configure terminal
firewall(config)#

crypto ipsec ikev2 ipsec-proposal
```

```
 AES-GCM
firewall(config-ipsec-proposal)#
```

protocol esp integrity

```
 sha-256
WARNING: GCM\GMAC are authenticated encryption algorithms.esp integrity config is ignored
firewall(config-ipsec-proposal)#
```

protocol esp encryption

```
 aes-256
firewall# show running-config crypto ipsec
crypto ipsec ikev2 ipsec-proposal AES-GCM
 protocol esp encryption aes-256
 protocol esp integrity sha-256
```

æ³¨ï¼šæœ¬èª³ç¨‹ã«ã¯ GCM
æš—å·ã€Œèª¤ã¨è¨¼ã•ã‚Œã‚‹ã€€è€è¨å®šã•ã‚Œã¦ã„ã„ã‚‹æ•´å^æ€§ã‚¢ãƒ«ã‚´ãƒªã‚ºãƒ ã
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LAN-to-LAN IPsec IKEv2 VPN æŽ¥ç¶šã®å ´å^ã¯ã€VPN
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<#root>

```
firewall#
```

vpn-sessiondb logoff protocol ikev2

```
Do you want to logoff the VPN session(s)? [confirm]
INFO: Number of sessions with protocol "IKEv2" logged off : 0
```

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Technical Assistance
Centerï¼ˆTACï¼‰ã,,ã—ã••ã¯å¥'ç´„ã—ã¦ã„ã,‹ãƒ¡ãƒ³ãƒ†ãƒŠãƒ³ã,¹ãƒ—ãƒãƒ¤ã,¤ãƒ€ãƒ¼ã«

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cisco-worldwide-contacts.html

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Cisco ASA ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ ãƒªãƒªãƒ¼ã‚¹	ã•“ã•®è„†å¼±æ€§ã•«å¯¾ã•™ã‚‹æœ€å^•ã•®ä¿®æ£ãƒªãƒªãƒ¼ã‚¹	ã‚¢ãƒ‰
9.7 ä»¥å‰•[1]	è„†å¼±æ€§ã•ªã•—	ä¿®æ£ã
9.8	è„†å¼±æ€§ã•ªã•—	9.8.4.44
9.91	è„†å¼±æ€§ã•ªã•—	ä¿®æ£ã
9.101	è„†å¼±æ€§ã•ªã•—	ä¿®æ£ã
9.12	9.12.4.37	9.12.4.3
9.131	ä¿®æ£æ¸ˆã•¿ãƒªãƒªãƒ¼ã‚¹ã•«ç§»è¡Œã€‚	ä¿®æ£ã
9.14	9.14.3.13	9.14.4
9.15	9.15.1.21	9.15.1.2
9.16	9.16.2.7	9.16.2.1
9.17	è„†å¼±æ€§ã•ªã•—	9.17.1.7

1. Cisco ASA ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ãƒªãƒªãƒ¼ã‚¹ 9.7 ä»¥å‰•ã€•ã•Šã‚ˆã•³ 9.9ã€•9.10ã€•9.13 ãƒªãƒªãƒ¼ã‚¹ã•«ã•¤ã•„ã•¦ã•¯ã€•
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FTD ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢

Cisco FTD ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ ãƒªãƒªãƒ¼ã‚¹	ã•“ã•®è„†å¼±æ€§ã•«å¯¾ã•™ã‚‹æœ€å^•ã•®ä¿®æ£ãƒªãƒªãƒ¼ã‚¹	ã‚¢ãƒ‰
6.2.2 ä»¥å‰•[1]	è„†å¼±æ€§ã•ªã•—	ä¿®æ£ã
6.2.3	è„†å¼±æ€§ã•ªã•—	ä¿®æ£ã
6.3.0[1]	è„†å¼±æ€§ã•ªã•—	ä¿®æ£ã
6.4.0	6.4.0.13	6.4.0.15
6.5.01	ä¿®æ£æ¸ˆã•¿ãƒªãƒªãƒ¼ã‚¹ã•«ç§»è¡Œã€‚	ä¿®æ£ã
6.6.0	6.6.5.1	6.6.5.2

Cisco FTD ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ãƒªãƒªãƒ¼ã,¹	ã"ã®è„†å¼±æ€§ã«å¯¾ã™ã‚‹æœ€åˆ"ã®ä¿®æ£ãƒªãƒªãƒ¼ã,¹	ã,¢ãƒ‰
6.7.0	Cisco_FTD_Hotfix_AA-6.7.0.4-2.sh.RE L.tar Cisco_FTD_SSP_FP1K_Hotfix_AA-6.7.0.4-2.sh.RE L.tar Cisco_FTD_SSP_FP2K_Hotfix_AA-6.7.0.4-2.sh.RE L.tar Cisco_FTD_SSP_Hotfix_AA-6.7.0.4-2.sh.RE L.tar	ä¿®æ£ã
7.0.0	7.0.2	7.0.2
7.1.0	è„†å¼±æ€§ã•ã—	7.1.0.1

1. Cisco FMC ã•Šã,^ã•³ FTD ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ãƒªãƒªãƒ¼ã,¹ 6.2.2 ä»¥å‰•ã•Šã,^ã•³ 6.3.0ã€•6.5.0 ã•«ã•¤ã•„ã•¦ã•¯ã€•
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FTD ãƒ‡ãƒ•ã,¤ã,¹ã•®ã,¢ãƒƒãƒ—ã,°ãƒ¬ãƒ¼ãƒ‰æ‰‹é †ã•«ã•¤ã•„ã•¦ã•¯ã€•Cisco Firepower Management Center ã,¢ãƒƒãƒ—ã,°ãƒ¬ãƒ¼ãƒ‰ã,¬ã,¤ãƒ‰ã,'å•,ç…§ã•—ã•¦ã••ã• ã••ã•„ã€,

Product Security Incident Response Teamï¼^PSIRT; ãƒ—ãƒ€ã,¯ãƒˆ ã,»ã,ãƒ¥ãƒªãƒ†ã,£ ã,¤ãƒ³ã,·ãƒ‡ãƒ³ãƒˆ ãƒ¬ã,¹ãƒ•ãƒ³ã,¹ ãƒ•ãƒ¼ãƒ ï¼‰ã•¯ã€•ã•"ã•®ã,¢ãƒ‰ãƒ•ã,¤ã,¶ãƒªã•«è¨˜è¼‰ã••ã,Œã•¦ã•„ã,‹è©²å½"ã•™ã

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Cisco PSIRT ã•§ã•¯ã€•æœ¬ã,¢ãƒ‰ãƒ•ã,¤ã,¶ãƒªã•«è¨˜è¼‰ã••ã,Œã•¦ã•„ã,‹è„†å¼±æ€§ã•®ä¸•æ£å^©ç

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URL

https://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-asaftd-ipsec-mitm-CKnLr4

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1.1	ASA 9.8 ã•®æœ€å^•ã•®ä¿®æ£æ¸ˆã•¿ãƒªãƒªãƒ¼ã,¹ã•«é–¢ã•™ã,‹æƒ…å ±ã,'æ›´æ–°ã€,

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翻訳について
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