Cisco ASA 5500ã‚·ãƒªãƒ¼ã‚ºé�©å¿œåž‹ã‚»ã‚ãƒ¥ãƒªãƒ†ã‚£ã‚¢ Catalyst 6500ã‚·ãƒªãƒ¼ã‚ºASAã‚µãƒ¼ãƒ“ã‚¹ãƒ¢ã‚¸ãƒ¥ãƒ¼ã

Critical

ã‚¢ãƒ‰ãƒ�ã‚¤ã‚¶ãƒªãƒ¼ID : cisco-sa-20121010-asa
åˆ�å…¬é–‹æ—¥ : 2012-10-10 16:00
ãƒ�ãƒ¼ã‚¸ãƒ§ãƒ³ 1.0 : Final
CVSSã‚¹ã‚³ã‚¢ : 9.0
å›žé�¿ç– : No Workarounds available
Cisco ãƒ�ã‚° ID : CSCtr27522 CSCtr27521 CSCtr21376 CSCtw84068 CSCtr27524 CSCtr63728 CSCtr21359 CSCtz04566 CSCtr21346

CVE-2012-4662
CVE-2012-4661
CVE-2012-4663
CVE-2012-4643
CVE-2012-4659
CVE-2012-4660

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- DHCPãƒ¡ãƒ¢ãƒªå‰²ã‚Šå½“ã�¦ã�®DoSè„†å¼±æ€§
- SSL VPNèª�è¨¼ã�®DoSè„†å¼±æ€§
- SIPã‚¤ãƒ³ã‚¹ãƒšã‚¯ã‚·ãƒ§ãƒ³ãƒ¡ãƒ‡ã‚£ã‚¢ã‚¢ãƒƒãƒ—ãƒ‡ãƒ¼ãƒˆã�«ã�Šã�‘ã‚‹DoSè„†å¼±æ€§
- DCERPCã‚¤ãƒ³ã‚¹ãƒšã‚¯ã‚·ãƒ§ãƒ³ãƒ�ãƒƒãƒ•ã‚¡ã‚ªãƒ¼ãƒ�ãƒ¼ãƒ•ãƒãƒ¼ã�®è„†å¼±æ€§
- DCERPCã‚¤ãƒ³ã‚¹ãƒšã‚¯ã‚·ãƒ§ãƒ³ã�«é–¢ã�™ã‚‹DoSè„†å¼±æ€§2ä»¶

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https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20121010-asa

æ³¨ï¼š Cisco Catalyst 6500ã�Šã‚ˆã�³Cisco 7600ã‚·ãƒªãƒ¼ã‚º(FWSM)å�‘ã�‘Cisco Firewall
Services
Module(FWSM)ã�¯ã€�ä¸Šè¨˜ã�®è„†å¼±æ€§ã�®ä¸€éƒ¨ã�®å½±éŸ¿ã‚’å�—ã�‘ã‚‹å�¯èƒ½æ€§ã�

Cisco FWSMã�«å½±éŸ¿ã‚’å�Šã�¼ã�™è„†å¼±æ€§ã�«ã�¤ã�„ã�¦ã�¯ã€�å ¥é€”Cisco
Security
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https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20121010-fwsm

Cisco ASA 1000Vã‚¯ãƒ©ã‚¦ãƒ‰ãƒ•ã‚¡ã‚¤ã‚¢ã‚¦ã‚©ãƒ¼ãƒ«ã�Šã‚ˆã�³Cisco ASA-CX Context-Aware
Securityã�¯ã€�ã�“ã‚Œã‚‰ã�®è„†å¼±æ€§ã�®å½±éŸ¿ã‚’å�—ã�‘ã�¾ã�›ã‚“ã€‚

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Catalyst
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Cisco
PIXã‚»ã‚ãƒ¥ãƒªãƒ†ã‚£ã‚¢ãƒ—ãƒ©ã‚¤ã‚¢ãƒ³ã‚¹ã�¯ã€�ã�“ã�®ã‚»ã‚ãƒ¥ãƒªãƒ†ã‚£ã‚¢ãƒ‰ãƒ�ã‚¤ã‚¶ãƒªã�
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PIXã‚»ã‚ãƒ¥ãƒªãƒ†ã‚£ã‚¢ãƒ—ãƒ©ã‚¤ã‚¢ãƒ³ã‚¹ã‚’ã�”ä½¿ç”¨ã�®ã�Šå®¢æ§˜ã�«ã�¯ã€�Cisco
ASA
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PIXã‚»ã‚ãƒ¥ãƒªãƒ†ã‚£ã‚¢ãƒ—ãƒ©ã‚¤ã‚¢ãƒ³ã‚¹å°‚ç”¨ã‚»ã‚¯ã‚·ãƒ§ãƒ³ã‚’å�‚ç…§ã�—ã�¦ã��ã� ã�•ã�„

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DHCPãƒ¡ãƒ¢ãƒªå‰²ã‚Šå½“ã�¦ã�®DoSè„†å¼±æ€§

ã�“ã�®è„†å¼±æ€§ã�¯ã€�Cisco
ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�ŒDHCPè¦�æ±,ã,'å‡¦ç�†ã�™ã,‹ã�¨ã��ã�«å¼•ã��èµ·ã�“ã�•ã,Œ
ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�«è„†å¼±æ€§ã�Œå˜åœ¨ã�™ã,‹å�¯èƒ½æ€§ã�Œã�,ã,Šã�¾ã�™ã€,

Cisco
ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�§DHCPã,µãƒ¼ãƒ�æ©Ÿèƒ½ã�Œæœ‰åŠ¹ã�«ã�ªã�£ã�¦ã�„ã,‹ã�‹ã�©
dhcpd
stateã,³ãƒžãƒ³ãƒ‰ã,'ä½¿ç”¨ã�—ã�¦ã€�å°'ã�ªã��ã�¨ã,,1ã�¤ã�®ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,§ã,¤ã,¹ã�Œ
ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã,'ç¤ºã�—ã�¦ã�„ã�¾ã�™

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ciscoasa# show dhcpd state
Context  Configured as DHCP Server
Interface inside, Configured for DHCP SERVER
```

Cisco
ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�§DHCPãƒªãƒ¬ãƒ¼æ©Ÿèƒ½ã�Œæœ‰åŠ¹ã�«ã�ªã�£ã�¦ã�„ã,‹ã�‹ã�©
dhcprelay
stateã,³ãƒžãƒ³ãƒ‰ã,'ä½¿ç”¨ã�—ã�¦ã€�DHCPãƒªãƒ¬ãƒ¼ã�Œã,¢ã,¯ãƒ†ã,£ãƒ–ã�§ã�,ã,‹ã�“ã�¨ã,'
ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã,'ç¤ºã�—ã�¦ã�„ã�¾ã�™ã€,

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ciscoasa# show dhcprelay state
Context  Configured as DHCP Relay
Interface outside, Configured for DHCP RELAY SERVER
Interface inside, Configured for DHCP RELAY
```

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5505ã�®å†…éƒ¨ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,§ã,¤ã,¹ã�¨ã€�ä»–ã�®ã�™ã�¹ã�¦ã�®Cisco ASA
5500ã,·ãƒªãƒ¼ã,ºé�©å¿œåž‹ã,»ã,ãƒ¥ãƒªãƒ†ã,£ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹ã�®ç®¡ç�†ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,
Catalyst
6500ã,·ãƒªãƒ¼ã,ºASAã,µãƒ¼ãƒ"ã,¹ãƒ¢ã,¸ãƒ¥ãƒ¼ãƒ«ã�§ã�¯ã€�DHCPã,µãƒ¼ãƒ�ã�¯ãƒ‡ãƒ•ã,©ãƒ«ãƒ

DHCPãƒªãƒ¬ãƒ¼æ©Ÿèƒ½ã�¯ã€�Cisco ASA
5500ã,·ãƒªãƒ¼ã,ºé�©å¿œåž‹ã,»ã,ãƒ¥ãƒªãƒ†ã,£ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹ã�Šã,ˆã�³Cisco
Catalyst
6500ã,·ãƒªãƒ¼ã,ºASAã,µãƒ¼ãƒ"ã,¹ãƒ¢ã,¸ãƒ¥ãƒ¼ãƒ«ãƒ—ãƒ©ãƒƒãƒˆãƒ•ã,©ãƒ¼ãƒ ã�§ã�¯ãƒ‡ãƒ•ã,©ãƒ«ã

SSL VPNèª�è¨¼ã�®DoSè„†å¼±æ€§

ã�“ã�®è„†å¼±æ€§ã�¯ã€�ã,¯ãƒ©ã,¤ã,¢ãƒ³ãƒˆãƒ¬ã,¹SSL VPNã�¾ã�Ÿã�¯AnyConnect SSL VPNç”¨ã�«è¨å®šã�•ã,Œã�ŸCisco ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�«å½±éŸ¿ã,’ä¸Žã�ˆã,‹å�¯èƒ½æ€§ã�Œã�,ã,Šã�¾ã�™ã€,IPsec VPNã,µãƒ¼ãƒ�ã€�IPsec/L2TP VPNã,µãƒ¼ãƒ�ã€�ã�¾ã�Ÿã�¯IKEv2 AnyConnect VPNã,µãƒ¼ãƒ�ã�¨ã�—ã�¦è¨å®šã�•ã,Œã�ŸCisco ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�¯å½±éŸ¿ã,’å�—ã�‘ã�¾ã�›ã,“ã€,ã�“ã�®è„†å¼±æ€§ã�¯ã€�å·§å¦™ã â€“ ãƒ¬ã,¹ãƒ�ãƒ³ã,¹ã,’å�—ä¿¡ã�—ã�Ÿã�¨ã��ã�«ãƒˆãƒªã,¬ãƒ¼ã�•ã,Œã,‹ã�Ÿã,�ã€�Cisco ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�¯ã€�ãƒ�ãƒ£ãƒ¬ãƒ³ã,¸ã,ªãƒ—ã,·ãƒ§ãƒ³ã,’ã,µãƒ�ãƒ¼ãƒˆã�—ã�ªã�„AAAã

å½±éŸ¿ã,’å�—ã�‘ã,‹ã�«ã�¯ã€�Cisco ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�§SSL VPNã,’æœ‰åŠ¹ã�«ã�—ã€�AAAãƒ�ãƒ£ãƒ¬ãƒ³ã,¸ã,ªãƒ—ã,·ãƒ§ãƒ³ã�Œæœ‰åŠ¹ã�«ã�ªã�£ã�

ç�¾åœ¨ã€�æ¬¡ã�®AAAã,»ãƒƒãƒˆã,¢ãƒƒãƒ—ã�¯challengeã,ªãƒ—ã,·ãƒ§ãƒ³ã,’æœ‰åŠ¹ã�«ã�—ã

1. ãƒ�ã,¤ãƒ†ã,£ãƒ–RSA SecurIDï¼ˆSDIã�¨ã,,å‘¼ã�°ã,Œã,‹ï¼‰:SecureIDã,µãƒ¼ãƒ�ã�Œãƒ¦ãƒ¼ã,¶ã�‹ã,‰ã�®ãƒ�
2. RADIUSã�Šã,ˆã�³TACACS+èª�è¨¼ãƒ�ãƒ£ãƒ¬ãƒ³ã,¸ï¼šAAAã,µãƒ¼ãƒ�ã�Œã€�èª�è¨¼ã,’è
3. RADIUSã�¾ã�Ÿã�¯LDAPã�«ã,ˆã,‹Active Directoryãƒ'ã,¹ãƒ¯ãƒ¼ãƒ‰ç®¡ç�†ã€, ã�“ã�®å ´å�ˆã€�Cisco ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�¯ã€�Active Directoryã�§ã�®èª�è¨¼ã�«å…ˆç«‹ã�£ã�¦ãƒ¦ãƒ¼ã,¶ãƒ'ã,¹ãƒ¯ãƒ¼ãƒ‰ã�®å¤‰æ›´ã,’å®

Cisco ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�§ã,µãƒ�ãƒ¼ãƒˆã�•ã,Œã�¦ã�„ã,‹ã���ã�®ä»–ã�®AAAèª�è¨¼æ–¹å¼� LAN Manager(NTLM)ã�Šã,ˆã�³Kerberosèª�è¨¼ãƒ—ãƒãƒˆã,³ãƒ«ã�ªã�©)ã�¯ã€�ã�“ã�®è„†å¼±æ

Cisco ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�§SSL VPNã�Œæœ‰åŠ¹ã�«ã�ªã�£ã�¦ã�„ã,‹ã�‹ã�©ã�†ã�‹ã,’ç¢ºèª�ã�™ã,‹ã�«ã�¯ã€�**show running-config webvpn**ã,³ãƒžãƒ³ãƒ‰ã,’ä½¿ç”¨ã�—ã�¦ã€�å°‘ã�ªã��ã�¨ã,,1ã�¤ã�®ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,§ã,¤ã,¹ã� VPNã�Œæœ‰åŠ¹ã�«ã�ªã�£ã�¦ã�„ã,‹ã�“ã�¨ã,’ç¢ºèª�ã�—ã�¾ã�™ã€,æ¬¡ã�®ä¾‹ã�¯ã VPNã�Œæœ‰åŠ¹ã�«ã�ªã�£ã�¦ã�„ã,‹Cisco ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã,’ç¤ºã�—ã�¦ã�„ã�¾ã�™ã€,

```
ciscoasa# show running-config webvpn
webvpn
 enable outside
```

Cisco ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�§ãƒªãƒ¢ãƒ¼ãƒˆAAAã,µãƒ¼ãƒ�ã�«å¯¾ã�—ã�¦ãƒˆãƒ³ãƒ�ãƒ«ã,°ãƒ«ãƒ¼ãƒ— **running-config tunnel-group <tg_name> general-attributes**ã,³ãƒžãƒ³ãƒ‰ã,'ä½¿ç"¨ã�—ã�¦ã€�*authentication-server-group*ã�Œãƒªãƒ¢ãƒ¼ãƒˆAAAã,µãƒ¼ãƒ�ã�«å¯¾ã�—ã�¦èª�è¨¼ã,'è¡Œã�†ã,ˆã�†ã�«è¨å®šã�• ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã,'ç¤ºã�—ã�¦ã�„ã�¾ã�™ã€,

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ciscoasa#show running-config tunnel-group WebVPN general-attributes
tunnel-group WebVPN general-attributes
 authentication-server-group RSA
```

ç‰¹å®šã�®AAAã,µãƒ¼ãƒ�ã�«ã�©ã�®AAAãƒ—ãƒãƒˆã,³ãƒ«ã�Œä½¿ç"¨ã�•ã,Œã�¦ã�„ã,‹ã�‹ã **aaa-server <server-tag>**ã,³ãƒžãƒ³ãƒ‰ã,'ä½¿ç"¨ã�—ã�¾ã�™ã€,ä½¿ç"¨ä¸ã�®AAAãƒ—ãƒãƒˆã,³ãƒ«ã�¯ã€�[Server Group] ã�®ä¸‹ã�«è¡¨ç¤ºã�•ã,Œã�¾ã�™ã€,æ¬¡ã�®ä¾‹ã�¯ã€�AAAãƒ—ãƒãƒˆã,³ãƒ«ã�¨ã�—ã�¦RSA SecurID(SDI)ã,'ä½¿ç"¨ã�—ã�¦ã�„ã,‹ã€�ã,¿ã,°*RSA*ã�Œä»˜ã�„ã�ŸAAAã,µãƒ¼ãƒ�ã,'ç¤ºã�—ã�

<#root>

```
ciscoasa# show aaa-server RSA
Server Group:    RSA
```

`Server Protocol: sdi`

æ³¨ï¼šSSL **VPNã�¯**ãƒ‡ãƒ•ã,©ãƒ«ãƒˆã�§ã�¯æœ‰åŠ¹ã�«ã�ªã�£ã�¦ã�„ã�¾ã�›ã,"ã€,ãƒˆãƒ³ãƒ�ãƒ«ã,°ãƒ«

SIPã,¤ãƒ³ã,¹ãƒšã,¯ã,·ãƒ§ãƒ³ãƒ¡ãƒ‡ã,£ã,¢ã,¢ãƒƒãƒ—ãƒ‡ãƒ¼ãƒˆã�«ã�Šã�'ã,‹DoSè„†å¼±æ€§

Cisco ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�¯ã€�Session Initiation Protocol(SIP)ã,¤ãƒ³ã,¹ãƒšã,¯ã,·ãƒ§ãƒ³ã�Œæœ‰åŠ¹ã�ªå ´å�ˆã€�ã�"ã�®è„†å¼±æ€§ã�®å½±é

SIPã,¤ãƒ³ã,¹ãƒšã,¯ã,·ãƒ§ãƒ³ã�Œæœ‰åŠ¹ã�«ã�ªã�£ã�¦ã�„ã,‹ã�‹ã�©ã�†ã�‹ã,'ç¢ºèª�ã�™ã,‹

show service-policy inspect sipã‚³ãƒžãƒ³ãƒ‰ã‚’ä½¿ç”¨ã�—ã�¾ã�™ã€‚æ¬¡ã�®ä¾‹ã�¯ã€�SIPã‚¤ãƒ³ã‚¹ãƒšã‚¯ã‚·ãƒ§ãƒ³ã�Œæœ
ASAã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ã‚’ç¤ºã�—ã�¦ã�„ã�¾ã�™ã€‚

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ciscoasa# show service-policy | include sip
      Inspect: sip , packet 67, drop 0, reset-drop 0
```

æ³¨ï¼šSIPã‚¤ãƒ³ã‚¹ãƒšã‚¯ã‚·ãƒ§ãƒ³æ©Ÿèƒ½ã�¯ãƒ‡ãƒ•ã‚©ãƒ«ãƒˆã�§æœ‰åŠ¹ã�«ã�ªã�£ã�¦ã�„ã�

DCERPCã‚¤ãƒ³ã‚¹ãƒšã‚¯ã‚·ãƒ§ãƒ³ãƒ�ãƒƒãƒ•ã‚¡ã‚ªãƒ¼ãƒ�ãƒ¼ãƒ•ãƒãƒ¼ã�®è„†å¼±æ€§ã�¨DCER

Cisco ASAã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ã�¯ã€�DCERPCã‚¤ãƒ³ã‚¹ãƒšã‚¯ã‚·ãƒ§ãƒ³ã�Œæœ‰åŠ¹ã�«ã�ªã�£ã�¦ã�„ã

DCERPCã‚¤ãƒ³ã‚¹ãƒšã‚¯ã‚·ãƒ§ãƒ³ã�Œæœ‰åŠ¹ã�«ã�ªã�£ã�¦ã�„ã‚‹ã�‹ã�©ã�†ã�‹ã‚’ç¢ºèª�ã� **show service-policy | include dcerpc**ã‚³ãƒžãƒ³ãƒ‰ã‚’ä½¿ç”¨ã�—ã�¾ã�™ã€‚æ¬¡ã�®ä¾‹ã�¯ã€�DCERPCã‚¤ãƒ³ã‚¹ãƒšã‚¯ã‚·ãƒ§ãƒ³
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ciscoasa# show  service-policy | include dcerpc
      Inspect: dcerpc, packet 0, drop 0, reset-drop 0
```

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version
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          ciscoasa#show version | include Version

Cisco Adaptive Security Appliance Software Version 8.4(1)

Device Manager Version 6.4(1)
```

Cisco Adaptive Security Device
Manager(ASDM)ã‚’ä½¿ç”¨ã�—ã�¦ãƒ‡ãƒ�ã‚¤ã‚¹ã‚’ç®¡ç�†ã�—ã�¦ã�„ã‚‹ã�Šå®¢æ§˜ã�¯ã€�
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Cisco PIXã‚»ã‚ãƒ¥ãƒªãƒ†ã‚£ã‚¢ãƒ—ãƒ©ã‚¤ã‚¢ãƒ³ã‚¹ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ã�®æƒ…å ±

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FWSMã‚’é™¤ã��ã€�ä»–ã�®ã‚·ã‚¹ã‚³è£½å“�ã�«ã�Šã�„ã�¦ã�“ã‚Œã‚‰ã�®è„†å¼±æ€§ã�

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DHCPãƒ¡ãƒ¢ãƒªå‰²ã,Šå½“ã�¦ã�®DoSè„†å¼±æ€§

DHCP ã�¨ã�¯ã€�ã,µãƒ–ãƒ�ãƒƒãƒˆ ãƒžã,¹ã,¯ä»˜ã��ã�® IP
ã,¢ãƒ‰ãƒ¬ã,¹ã€�ãƒ‡ãƒ•ã,©ãƒ«ãƒˆ ã,²ãƒ¼ãƒˆã,¦ã,§ã,¤ã€�DNS ã,µãƒ¼ãƒ�ã€�WINS
ã,µãƒ¼ãƒ�ã�® IP
ã,¢ãƒ‰ãƒ¬ã,¹ã�ªã�©ã�®è¨å®šãƒ'ãƒ©ãƒ¡ãƒ¼ã,¿ã,'è‡ªå‹•çš„ã�«ãƒ›ã,¹ãƒˆã�«ä»˜ä¸Žã�™ã,‹ã�Ÿã,�

Cisco
ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�¯ã€�DHCPã,µãƒ¼ãƒ�ã�¾ã�Ÿã�¯DHCPã,¯ãƒ©ã,¤ã,¢ãƒ³ãƒˆã�¨ã�—ã�¦å
ASAã�Œã,µãƒ¼ãƒ�ã�¨ã�—ã�¦å‹•ä½œã�—ã�¦ã�„ã,‹å ´å�ˆã€�Cisco
ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�¯DHCPã,¯ãƒ©ã,¤ã,¢ãƒ³ãƒˆã�«ãƒ�ãƒƒãƒˆãƒ¯ãƒ¼ã,¯è¨å®šãƒ'ãƒ©ãƒ¡ãƒ¼ã,¿ã,'ç

Dynamic Host Configuration
Protocol(DHCP)ã,µãƒ¼ãƒ�æ©Ÿèƒ½ã�®å®Ÿè£…ã�«ã�¯ã€�èª�è¨¼ã�•ã,Œã�¦ã�„ã�ªã�„ãƒªãƒ¢ã

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ã�“ã�®è„†å¼±æ€§ã�¯ã€�Cisco Bug ID CSCtw84068(
ç™»éŒ²ãƒ¦ãƒ¼ã,¶å°‚ç”¨)ã�¨ã�—ã�¦æ–‡æ›¸åŒ–ã�•ã,Œã€�Common Vulnerabilities and
Exposures(CVE)IDã�¨ã�—ã�¦CVE-2012-
4643ã�Œå‰²ã,Šå½“ã�¦ã,‰ã,Œã�¦ã�„ã�¾ã�™ã€‚

SSL VPNèª�è¨¼ã�®DoSè„†å¼±æ€§

Cisco ASAã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�«ã�¯2ç¨®é¡žã�®SSL
VPNã�Œå�«ã�¾ã,Œã�¦ã�„ã�¾ã�™ã€‚SSL
VPNã�¯ã€�ä¼�æ¥ãƒªã,½ãƒ¼ã,¹ã�¸ã�®ãƒªãƒ¢ãƒ¼ãƒˆã,¢ã,¯ã,»ã,¹ç”¨ã�®ãƒ†ã,¯ãƒŽãƒã,¸ãƒ¼ã�§ã�

- ã,¯ãƒ©ã,¤ã,¢ãƒ³ãƒˆãƒ¬ã,¹SSL
  VPNã�¯ã€�Webãƒ–ãƒ©ã,¦ã,¶ã�¨Javaã,³ãƒ³ãƒ�ãƒ¼ãƒ�ãƒ³ãƒˆã,'ä»‹ã�—ã�¦ã€�é›»å�ãƒ¡ãƒ¼
- AnyConnect SSL VPN Clientã€‚

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�®SSL VPNï¼ˆã‚¯ãƒ©ã‚¤ã‚¢ãƒ³ãƒˆãƒ¬ã‚¹ã�Šã‚ˆã�³AnyConnectï¼‰æ©Ÿèƒ½ã�®èª�è¨¼ã€�è¨±å�¯ã€�ã challenge-responseã�Œå¿…è¦�ã�ªå ´å�ˆã�«ã€�å·§å¦™ã�«ç´°å·¥ã�•ã‚Œã�Ÿèª�è¨¼å¿œç”ã�®æ¤œè¨½ VPNç”¨ã�«è¨å®šã�•ã‚Œã�ŸASAã�§èª�è¨¼ã‚’è©¦ã�¿ã‚‹ã�“ã�¨ã�«ã‚ˆã‚Šã€�ã�“ã�®è„†å¼±

ã�“ã�®è„†å¼±æ€§ã�¯ã€�ã‚¯ãƒ©ã‚¤ã‚¢ãƒ³ãƒˆãƒ¬ã‚¹SSL VPNã�¾ã�Ÿã�¯AnyConnect SSL VPNç”¨ã�«è¨å®šã�•ã‚Œã�ŸCisco ASAã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ã�«å½±éŸ¿ã�—ã�¾ã�™ã€‚IPsec VPNã‚µãƒ¼ãƒ�ã€�IPSEC/L2TP VPNã‚µãƒ¼ãƒ�ã€�ã�¾ã�Ÿã�¯IKEv2 AnyConnectã‚µãƒ¼ãƒ�ã�¨ã�—ã�¦è¨å®šã�•ã‚Œã�ŸCisco ASAã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ã�¯å½±éŸ¿ã‚’å�—ã�‘ã�¾ã�›ã‚“ã€‚

æ³¨ï¼šã�“ã�®è„†å¼±æ€§ã�®ä¸�æ£åˆ©ç”¨ã�«ä½¿ç”¨ã�§ã��ã‚‹ã�®ã�¯ã€�è©²å½“ãƒ‡ãƒ�ã‚¤ ASAã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ã�«ã�®ã�¿å½±éŸ¿ã�—ã�¾ã�™ã€‚ã�“ã�®è„†å¼±æ€§ã�¯ã€�IPv4ãƒˆã

ã�“ã�®è„†å¼±æ€§ã�¯ã€�Cisco Bug ID CSCtz04566(ç™»éŒ²ãƒ¦ãƒ¼ã‚¶å°‚ç”¨)ã�¨ã�—ã�¦æ–‡æ›¸åŒ–ã�•ã‚Œã€�Common Vulnerabilities and Exposures(CVE)IDã�¨ã�—ã�¦CVE-2012-4659ã�Œå‰²ã‚Šå½“ã�¦ã‚‰ã‚Œã�¦ã�„ã�¾ã�™ã€‚

SIPã‚¤ãƒ³ã‚¹ãƒšã‚¯ã‚·ãƒ§ãƒ³ãƒ¡ãƒ‡ã‚£ã‚¢ã‚¢ãƒƒãƒ—ãƒ‡ãƒ¼ãƒˆã�«ã�Šã�‘ã‚‹DoSè„†å¼±æ€§

Internet Engineering Task Forceï¼ˆIETFï¼‰ã‚¤ãƒ³ã‚¿ãƒ¼ãƒ�ãƒƒãƒˆæŠ€è¡“ç‰¹å¥èª¿æŸ»å§”å“¡ä¼šï¼‰ã�«ã‚ˆã�£ã�¦å®šç¾©ã� Initiation Protocolï¼ˆSIPï¼‰ã‚»ãƒƒã‚·ãƒ§ãƒ³é–‹å§‹ãƒ—ãƒãƒˆã‚³ãƒ«ï¼‰ã‚’ä½¿ç”¨ã�™ã‚‹ã�¨ã€�ã‚³ãƒ¼ãƒ«å‡¦ç�† Description Protocol(SDP)ã�¨é€£æ�ºã�—ã�¾ã�™ã€‚SDPã�¯ãƒ¡ãƒ‡ã‚£ã‚¢ã‚¹ãƒˆãƒªãƒ¼ãƒ ã�®ãƒ�ãƒ¼ãƒˆã‚’æC ASAã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ã�¯ã€�å°‚ç”¨ã�®SIPã‚¤ãƒ³ã‚¹ãƒšã‚¯ã‚·ãƒ§ãƒ³ã‚¨ãƒ³ã‚¸ãƒ³ã‚’ä»‹ã�—ã�Ÿãƒ¡ãƒ‡ã

Cisco ASAã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ã�®SIPã‚¤ãƒ³ã‚¹ãƒšã‚¯ã‚·ãƒ§ãƒ³ã‚¨ãƒ³ã‚¸ãƒ³ã‚³ãƒ¼ãƒ‰ã�«ã�¯è„†å¼±æ€§ã�Œå

æ³¨ï¼šã�“ã�®è„†å¼±æ€§ã�®ä¸�æ£å˜©ç”¨ã�«ä½¿ç”¨ã�§ã��ã‚‹ã�®ã�¯ã€�é€šé�Žãƒˆãƒ©ãƒ ãƒˆãƒ©ãƒ•ã‚£ãƒƒã‚¯ã�¨ IPv6 ãƒˆãƒ©ãƒ•ã‚£ãƒƒã‚¯ã�§ãƒˆãƒªã‚¬ãƒ¼ã�•ã‚Œã‚‹å�¯èƒ½æ€§ã�Œã�‚ã‚Šã�¾ã�™ã€‚

ã�“ã�®è„†å¼±æ€§ã�¯ã€�Cisco Bug ID CSCtr63728(
ç™»éŒ²ãƒ¦ãƒ¼ã‚¶å°‚ç”¨)ã�¨ã�—ã�¦æ–‡æ›¸åŒ–ã�•ã‚Œã€�Common Vulnerabilities and Exposures(CVE)IDã�¨ã�—ã�¦CVE-2012-4660ã�Œå‰²ã‚Šå½“ã�¦ã‚‰ã‚Œã�¦ã�„ã�¾ã�™ã€‚

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ã�“ã�®è„†å¼±æ€§ã�¯ã€�Cisco Bug ID CSCtr21359(
ç™»éŒ²ãƒ¦ãƒ¼ã‚¶å°‚ç”¨)ã�¨ã�—ã�¦æ–‡æ›¸åŒ–ã�•ã‚Œã€�Common Vulnerabilities and Exposures(CVE)IDã�¨ã�—ã�¦CVE-2012-4661ã�Œå‰²ã‚Šå½“ã�¦ã‚‰ã‚Œã�¦ã�„ã�¾ã�™ã€‚

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ç™»éŒ²ãƒ¦ãƒ¼ã‚¶å°‚ç”¨)ã�Šã‚ˆã�³ CSCtr21346(
ç™»éŒ²ãƒ¦ãƒ¼ã‚¶å°‚ç”¨)ã�¨ã�—ã�¦æ–‡æ›¸åŒ–ã�•ã‚Œã€�Common Vulnerabilities and Exposures(CVE)IDã�¨ã�—ã�¦CVE-2012-4662ã�Šã‚ˆã�³CVE-2012-4663ã�Œ3ã�¨ã�—ã�¦2å‰²ã�•ã‚Œã�¦ã�„ã�¾ã�™

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DHCPãƒ¡ãƒ¢ãƒªå‰²ã,Šå½“ã�¦ã�®DoSè„†å¼±æ€§

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SSL VPNèª�è¨¼ã�®DoSè„†å¼±æ€§

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```
ciscoasa(config)# policy-map global_policy
ciscoasa(config-pmap)# class inspection_default
ciscoasa(config-pmap-c)# no inspect sip
```

DCERPCã,¤ãƒ³ã,¹ãƒšã,¯ã,·ãƒ§ãƒ³ãƒ�ãƒƒãƒ•ã,¡ã,ªãƒ¼ãƒ�ãƒ¼ãƒ•ãƒãƒ¼ã�®è„†å¼±æ€§ã�¨DCERPC

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ã�® Cisco Security Advisories and Responses
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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�«

DHCPãƒ¡ãƒ¢ãƒªå‰²ã‚Šå½“ã�¦ã�®DoSè„†å¼±æ€§

è„†å¼±æ€§	ãƒ¡ã‚¸ãƒ£ãƒ¼ ãƒªãƒªãƒ¼ã‚¹	First Fixed Releaseï¼ˆä¿®æ£ã�•ã‚Œã�Ÿæœ€åˆ
DHCPãƒ¡ãƒ¢ãƒªå‰²ã‚Šå½“ã�¦ã�®DoSè„†å¼±æ€§ â€“ CSCtw84068	7.0	7.2ï¼ˆ5.8ï¼‰
	7.1	7.2ï¼ˆ5.8ï¼‰
	7.2	7.2ï¼ˆ5.8ï¼‰
	8.0	8.0ï¼ˆ5.28ï¼‰
	8.1	8.1ï¼ˆ2.56ï¼‰
	8.2	8.2ï¼ˆ5.27ï¼‰
	8.3	8.3ï¼ˆ2.31ï¼‰
	8.4	8.4ï¼ˆ3.10ï¼‰
	8.5	8.5ï¼ˆ1.9ï¼‰
	8.6	8.6ï¼ˆ1.5ï¼‰

SSL VPNèª�è¨¼ã�®DoSè„†å¼±æ€§

è„†å¼±æ€§	ãƒ¡ã‚¸ãƒ£ãƒ¼ ãƒªãƒªãƒ¼ã‚¹	First Fixed Releaseï¼ˆä¿®æ£ã�•ã‚Œã�Ÿæœ€åˆ�ã�®ãƒªãƒªãƒ¼ã
SSL VPNèª�è¨¼ã�®DoSè„†å¼±æ€§ â€“ CSCtz04566	7.0	Not affected
	7.1	Not affected
	7.2	Not affected
	8.0	Not affected
	8.1	Not affected
	8.2	8.2ï¼ˆ5.30ï¼‰
	8.3	8.3ï¼ˆ2.34ï¼‰
	8.4	Not affected
	8.5	Not affected
	8.6	Not affected

SIPã‚¤ãƒ³ã‚¹ãƒšã‚¯ã‚·ãƒ§ãƒ³ãƒ¡ãƒ‡ã‚£ã‚¢ã‚¢ãƒƒãƒ—ãƒ‡ãƒ¼ãƒˆã�«ã�Šã�‘ã‚‹DoSè„†å¼±æ€§

è„†å¼±æ€§	ãƒ¡ã,¸ãƒ£ãƒ¼ ãƒªãƒªãƒ¼ã,¹	First Fixed Releaseï¼ˆ
SIPã,¤ãƒ³ã,¹ãƒšã,¯ã,·ãƒ§ãƒ³ãƒ¡ãƒ‡ã,£ã,¢ã,¢ãƒƒãƒ—ãƒ‡ãƒ¼ãƒˆã�®DoSè„†å¼±æ€§ â€“ CSCtr63728	7.0	Not affecte
	7.1	Not affecte
	7.2	Not affecte
	8.0	Not affecte
	8.1	Not affecte
	8.2	8.2ï¼ˆ5.17ï
	8.3	8.3ï¼ˆ2.28ï
	8.4	8.4ï¼ˆ2.13ï
	8.5	8.5ï¼ˆ1.4ï¼
	8.6	8.6ï¼ˆ1.5ï¼

DCERPCã,¤ãƒ³ã,¹ãƒšã,¯ã,·ãƒ§ãƒ³ãƒ�ãƒƒãƒ•ã,¡ã,ªãƒ¼ãƒ�ãƒ¼ãƒ•ãƒãƒ¼ã�®è„†å¼±æ€§

è„†å¼±æ€§	ãƒ¡ã,¸ãƒ£ãƒ¼ ãƒªãƒªãƒ¼ã,¹	First Rele
DCERPCã,¤ãƒ³ã,¹ãƒšã,¯ã,·ãƒ§ãƒ³ãƒ�ãƒƒãƒ•ã,¡ã,ªãƒ¼ãƒ�ãƒ¼ãƒ•ãƒãƒ¼ã�®è„†å¼±æ€§ â€“ CSCtr21359	7.0	Not
	7.1	Not
	7.2	Not
	8.0	Not
	8.1	Not
	8.2	Not
	8.3	8.3ï¼
	8.4	8.4ï¼
	8.5	8.5ï¼
	8.6	8.6(

DCERPCã,¤ãƒ³ã,¹ãƒšã,¯ã,·ãƒ§ãƒ³ã�«é–¢ã�™ã,‹DoSè„†å¼±æ€§

è„†å¼±æ€§	ãƒ¡ã,¸ãƒ£ãƒ¼ ãƒªãƒªãƒ¼ã,¹	First Fixed Releaseï¼ˆä¿®æ£ã�•ã,Œã
DCERPCã,¤ãƒ³ã,¹ãƒšã,¯ã,·ãƒ§ãƒ³ã�«é–¢ã�™ã,‹DoSè„†å¼±æ€§	7.0	Not affected

â€“ CSCtr21376ã�Šã‚ˆã�³CSCtr21346	7.1	Not affected
	7.2	Not affected
	8.0	Not affected
	8.1	Not affected
	8.2	Not affected
	8.3	8.3ï¼ˆ2.25ï¼‰
	8.4	8.4ï¼ˆ2.5ï¼‰
	8.5	8.5ï¼ˆ1.13ï¼‰
	8.6	Not affected

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ãƒ¡ã‚¸ãƒ£ãƒ¼ ãƒªãƒªãƒ¼ã‚¹	æŽ¨å¥¨ãƒªãƒªãƒ¼ã‚¹
7.0	7.2ï¼ˆ5.8ï¼‰
7.1	7.2ï¼ˆ5.8ï¼‰
7.2	7.2ï¼ˆ5.8ï¼‰
8.0	8.0ï¼ˆ5.28ï¼‰
8.1	8.1ï¼ˆ2.56ï¼‰
8.2	8.2ï¼ˆ5.33ï¼‰
8.3	8.3ï¼ˆ2.34ï¼‰
8.4	8.4ï¼ˆ4.5ï¼‰
8.5	8.5ï¼ˆ1.14ï¼‰
8.6	8.6ï¼ˆ1.5ï¼‰

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Cisco ASAã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢ã�¯ã€�Software Center(Cisco.com)ã�‹ã‚‰ãƒ€ã‚¦ãƒ³ãƒãƒ¼ãƒ‰ã�§ã��ã�¾ã�™ã€‚ http://www.cisco.com/cisco/software/navigator.html

Cisco ASA 5500ã‚·ãƒªãƒ¼ã‚ºé�©å¿œåž‹ã‚»ã‚ãƒ¥ãƒªãƒ†ã‚£ã‚¢ãƒ—ãƒ©ã‚¤ã‚¢ãƒ³ã‚¹ã�®å ´å�ˆã�¯ã€�[è£½å“�(Pro > [ã‚»ã‚ãƒ¥ãƒªãƒ†ã‚£(Security)] > [ãƒ•ã‚¡ã‚¤ã‚¢ã‚¦ã‚©ãƒ¼ãƒ«(Firewalls)] > [é�©å¿œåž‹ã‚»ã‚ãƒ¥ãƒªãƒ†ã‚£ã‚¢ãƒ—ãƒ©ã‚¤ã‚¢ãƒ³ã‚¹(ASA)(Adaptive Security Appliances (ASA))] > [Cisco ASA 5500ã‚·ãƒªãƒ¼ã‚ºé�©å¿œåž‹ã‚»ã‚ãƒ¥ãƒªãƒ†ã‚£ã‚¢ãƒ—ãƒ©ã‚¤ã‚¢ãƒ³ã‚¹ï¼ˆCisco ASAãƒ¢ãƒ‡ãƒ«ï¼‰] > [é�©å¿œåž‹ã‚»ã‚ãƒ¥ãƒªãƒ†ã‚£ã‚¢ãƒ—ãƒ©ã‚¤ã‚¢ãƒ³ã‚¹(ASA)ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢(Adaptive Security Appliance (ASA) Software)] ã�«ç§»å‹•ã�—ã�¾ã�™ã€‚ã�“ã‚Œã‚‰ã�®ãƒ�ãƒ¼ã‚¸ãƒ§ãƒ³ã�®ä¸€éƒ¨ã�¯æš«å®šãƒ�ãƒ¼ã‚¸ãƒ§ ã‚¿ãƒ–ã‚’å±•é–‹ã�™ã‚‹ã�¨è¡¨ç¤ºã�•ã‚Œã�¾ã�™ã€‚

Cisco Catalyst 6500ã‚·ãƒªãƒ¼ã‚ºASAã‚µãƒ¼ãƒ“ã‚¹ãƒ¢ã‚¸ãƒ¥ãƒ¼ãƒ«ã�®å ´å�ˆã�¯ã€�[è£½å“�(Products)] > [Ciscoã‚¤ãƒ³ã‚¿ãƒ¼ãƒ•ã‚§ã‚¤ã‚¹ã�Šã‚ˆã�³ãƒ¢ã‚¸ãƒ¥ãƒ¼ãƒ«(Cisco Interfaces and Modules)] > [Ciscoã‚µãƒ¼ãƒ“ã‚¹ãƒ¢ã‚¸ãƒ¥ãƒ¼ãƒ«(Cisco Services Modules)] > [Cisco Catalyst 6500ã‚·ãƒªãƒ¼ã‚ºASAã‚µãƒ¼ãƒ“ã‚¹ãƒ¢ã‚¸ãƒ¥ãƒ¼ãƒ«(Cisco Catalyst 6500 Series ASA Services Module)] > [ASAã‚µãƒ¼ãƒ“ã‚¹ãƒ¢ã‚¸ãƒ¥ãƒ¼ãƒ«(ASASM)ã‚½ãƒ•ãƒˆã‚¦ã‚§ã‚¢(ASA Services Module (ASASM Software)] ã�«ç§»å‹•ã�—ã�¾ã�™ã€‚ã�“ã‚Œã‚‰ã�®ãƒ�ãƒ¼ã‚¸ãƒ§ãƒ³ã�®ä¸€éƒ¨ã�¯æš«å®šãƒ�ãƒ¼ã‚¸ãƒ§ ã‚¿ãƒ–ã‚’å±•é–‹ã�™ã‚‹ã�¨è¡¨ç¤ºã�•ã‚Œã�¾ã�™ã€‚

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Cisco Product Security Incident Response Teamï¼ˆPSIRTï¼‰ã�§ã�¯ã€�æœ¬ã‚¢ãƒ‰ãƒ�ã‚¤ã‚¶ãƒªã�«è¨˜è¼‰ã�•ã‚Œã�¦ã�„ã‚‹è„†å¼±æ€

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URL

https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20121010-asa

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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。