Cisco FirePOWER ã�®æ¤œå‡ºã,¨ãƒ³ã,¸ãƒ³ã�® SSL å¾©å�·æ™‚ã�®ãƒ¡ãƒ¢ãƒªä½¿ç”¨ã�«ã,ˆã,‹ Denial of Serviceï¼ˆDoSï¼‰è„†å¼±æ€§

High

ã,¢ãƒ‰ãƒ�ã,¤ã,¶ãƒªãƒ¼ID : cisco-sa-20171004-ftd

å^�å...¬é–‹æ—¥ : 2017-10-04 16:00

ãƒ�ãƒ¼ã,¸ãƒ§ãƒ³ 1.0 : Final

CVSSã,¹ã,³ã,¢ : 8.6

å›žé�¿ç– : No workarounds available

Cisco ãƒ�ã,° ID : CSCve02069

CVE-2017-12245

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Cisco Firepower Threat Defenseï¼ˆFTDï¼‰ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã�® SSL ãƒˆãƒ©ãƒ•ã,£ãƒƒã,¯ã�®å¾©å�·ã�«è„†å¼±æ€§ã�Œã�,ã,Šã€�èª�è¨¼ã�•ã,Œã�¦ã�„ã�ªã�„ãƒ¦ãƒ¼ã,¶ãƒªãƒ¢ãƒ¼ãƒˆã,¯ã,»ã,¹ VPN ã,»ãƒƒã,·ãƒ§ãƒ³ã,'ç¢ºç«‹ã�™ã,‹å ´å�ˆã€�ãƒ‡ãƒ•ã,¤ã,¹ã,'ä»‹ã�—ã�Ÿãƒˆãƒ©ãƒ•ã,£ãƒƒã,¯ã,'å‡¦ç�†ã,ˆã,Šã,,å¤§é‡•ã,¯ã,»ã,¹ã,'ä½¿ç”¨ã,—ã,ˆã,‹å ´å�ˆã€�ãƒ‡ãƒã,¤ã,¹ã,'ä»‹ã,—ã,ˆã,‹å ´å�ˆã,,ã€,æ”»æ'fè€…ã,,ã,¯ã,»ã,¹ã,'ä½¿ç”¨ã,—ã,ˆã,‹å ´å�ˆã,,ã€,ã,·ã,¹ã,³

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ã“ã®è„†å¼±æ€§ã¯ã€Cisco Firepower Threat Defenseï¼ˆFTDï¼‰ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ãƒªãƒªãƒ¼ã,¹ 6.0.1 ä»¥é™ã®ã§ã€ã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã€Œæ¬¡ã®ã,»ã,¯ã,·ãƒ§ãƒ³ã§è¨˜è¼‰ã™ã,‹çŠ¶æ…‹ã«è¨

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- FirePOWER 2100 ã,·ãƒªãƒ¼ã,º ã,»ã,ãƒ¥ãƒªãƒ†ã,£ ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹
- FirePOWER 4100 ã,·ãƒªãƒ¼ã,º ã,»ã,ãƒ¥ãƒªãƒ†ã,£ ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹
- FirePOWER 9300 ã,·ãƒªãƒ¼ã,º ã,»ã,ãƒ¥ãƒªãƒ†ã,£ ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹

è©²å½“ã™ã,‹ãƒ‡ãƒã,¤ã,¹ã¯ã€Decrypt and Resignã¾ãŸã¯Known Keyã«å¯¾ã—ã¦1ã¤ä»¥ä¸Šã®SSLã,¤ãƒ³ã,¹ãƒšã,¯ã,·ãƒ§ãƒ³ãƒ—ãƒªã,·ãƒ¼ã—Œè¨å®šã•ã,Œ SSL ãƒˆãƒ©ãƒ•ã,£ãƒƒã,¯ã®å¾©å·ã•Œè¨±å¯ã•ã,Œã¾ã™ã€,

æœ¬è„†å¼±æ€§ã¯ã€FTD ã,'ã,µãƒãƒ¼ãƒˆã™ã,‹ãƒªãƒªãƒ¼ã,¹ã®ã¿ã«å½±éŸ¿ã—ã¾ã™ã€,ã“ã,Œã,‰ã®ãƒªãƒªãƒ¼ã,¹ã,ãƒ¼ãƒ‰ã¨ ASA ã®ã,ãƒ¼ãƒ‰ã®ä¡æ–¹ã•Œå«ã¾ã,Œã¦ã„ã¾ã™ã€,è©³ç´°ã«ã¤ã„ã¦ã¯ã€Firepower Compatibility Guideï¼ˆCisco Firepower äº’æ›æ€§ã,¬ã,¤ãƒ‰ï¼‰ã€ã®ã€ŒFirepower Threat Defense Devicesï¼ˆFirepower Threat Defense ãƒ‡ãƒã,¤ã,¹ï¼‰ã€ã,'å¸,ç…§ã—ã¦ã••ã• ã••ã„ã€,

ç®¡ç†è€…ã¯ã€CLIã,³ãƒžãƒ³ãƒ‰**show version**ã,'ä½¿ç”¨ã—ã¦FTDãƒªãƒªãƒ¼ã,¹ã,'ç¢ºèªã§ã§§ã••ã¾ã™ã€,æ¬¡ã®ä¾‹ã§§ã¯ã€ãƒªãƒªãƒ¼ã,¹ 6.2.0 ã•Œå®Ÿè¡Œã••ã,Œã•¦ã„ã¾ã™ã€,

<#root>

>

show version

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

6.2.0

```
 (Build 362)
UUID                      : 2849ba3c-ecb8-11e6-98ca-b9fc2975893c
Rules update version      : 2017-03-15-001-vrt
VDB version               : 279
-------------------------------------------------
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- 3000 ã,·ãƒªãƒ¼ã,ºç”£æ¥ç”¨ã,»ã,ãƒ¥ãƒªãƒ†ã,£ ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹ï¼ˆISAï¼‰
- FirePOWER ã,µãƒ¼ãƒ“ã,¹ã,’ä½¿ç”¨ã ™ã,‹é ©å¿œåž‹ã,»ã,ãƒ¥ãƒªãƒ†ã,£ ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹ï¼ˆASAï¼‰5000-X ã,·ãƒªãƒ¼ã,º
- FirePOWER ã,µãƒ¼ãƒ“ã,¹ã,’ä½¿ç”¨ã ™ã,‹é ©å¿œåž‹ã,»ã,ãƒ¥ãƒªãƒ†ã,£ ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹ï¼ˆASAï¼‰5500-X ã,·ãƒªãƒ¼ã,º
- ãƒ ãƒƒãƒˆãƒ¯ãƒ¼ã,¯å ‘ã ‘ Advanced Malware Protectionï¼ˆAMPï¼‰7000 ã,·ãƒªãƒ¼ã,º ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹
- ãƒ ãƒƒãƒˆãƒ¯ãƒ¼ã,¯å ‘ã ‘ Advanced Malware Protectionï¼ˆAMPï¼‰8000 ã,·ãƒªãƒ¼ã,º ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹
- FirePOWER 7000 ã,·ãƒªãƒ¼ã,º ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹
- FirePOWER 8000 ã,·ãƒªãƒ¼ã,º ã,¢ãƒ—ãƒ©ã,¤ã,¢ãƒ³ã,¹
- Firepower Management Center
- ã,µãƒ¼ãƒ“ã,¹çµå ˆåž‹ãƒ«ãƒ¼ã,¿ï¼ˆISRï¼‰å ‘ã ‘ FirePOWER Threat Defense
- ä¾µå…¥é˜²å¾¡ã,·ã,¹ãƒ†ãƒ ï¼ˆIPSï¼‰ã,½ãƒ•ãƒˆã,¦ã,§ã,¢
- VMware å ‘ã ‘ä»®æƒ³æ¬¡ä¸–ä»£ä¾µå…¥é˜²å¾¡ã,·ã,¹ãƒ†ãƒ ï¼ˆNGIPSvï¼‰

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Cisco FTD ã ¯ã€ASA ã ®æ©Ÿèƒ½ã ¨ Firepower ã ®ã,µãƒ¼ãƒ“ã,¹ã,’å «ã,“ã çµ±å ˆã,½ãƒ•ãƒˆã,¦ã,§ã,¢ ã,¤ãƒ¡ãƒ¼ã,¸ã ®ã ™ã€,ã “ã ®çµ±å ˆã,½ãƒ•ãƒˆã,¦ã,§ã,¢ã «ã,ˆã,Šã€ASA ã ¨ Firepower ã ®æ©Ÿèƒ½ã,’ã€ãƒ ãƒ¼ãƒ‰ã,¦ã,§ã,¢æ©Ÿèƒ½ã ¨ã,½ãƒ•ãƒˆã,¦ã,§ã,¢æ©Ÿèƒ½ã ®ä¡é ¢ã ®ã§ã€

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- **show blocks**ã,³ãƒžãƒ³ãƒ‰ã ®å‡ºåŠ›ã «ã ¯ã€ç‰¹å®šã ®ãƒ¡ãƒ¢ãƒªãƒ–ãƒãƒ¯ã ®ã,«ã,¦ãƒ³ãƒˆã ãƒ–ãƒãƒ¯ã ®ã,µã,¤ã,ºã ¯ã€2048 ã ‹ 9344 ã §ã ™ã€,

```
<#root>

firepower#
```

show blocks

```
  SIZE    MAX    LOW    CNT
     0   1450   1448   1450
     4    100     99     99
    80   1000    950    984
   256   4148   3898   4040
  1550   6279   6184   6258


2048    15864          0           0

  2560    164    164    164
  4096    100    100    100
  8192    100    100    100
  9344    100    100    100
 16384    102    102    102
 65536     16     16     16
```

- debugã‚³ãƒžãƒ³ãƒ‰**show asp inspect-dp snort queues detail debug**ã€®å‡ºåŠ›ã€«ã€¯ã€€å—ä¿¡ã‚ãƥãƼã€®ä½¿ç”¨çŽ‡(RxQ(util))ã€Œ100 %ã€¨è¡¨ç¤ºã•ã‚Œã¾ã™ã€‚

<#root>

```
firepower#

 show asp inspect-dp snort queues detail debug

SNORT Inspect Instance Queue Configuration

RxQ-Size:              1   MB
TxQ-Size:            128   KB
TxQ-Data-Limit:      102.4 KB   (80%)
TxQ-Data-Hi-Thresh:   35.8 KB   (28%)
Id QId  RxQ        RxQ    RxQ        RxQ              TxQ        TxQ    TxQ        TxQ
       (used)     (util) (max used) (state)          (used)     (util) (max used) (state)
-- ---- ---------- ------ ---------- ---------------- ---------- ------ ---------- --------
0  [0]    2   MB

100%

     2   MB   READY              0        0%       2.1 KB   READY
```

- debugã‚³ãƒžãƒ³ãƒ‰**show asp inspect-dp snort counters debug zeros**ã€®å‡ºåŠ›ã€«ã€¯ã€€å—ä¿¡ã‚ãƥãƼãƫ(RxQ-Full)ã€®ã€«ã€¦ãƳãƈã€Œã€¼ãƫã€§ã€¯ã€ªã€„ã€“ã€¨ã€Œç¤ºã•ã‚Œã¦ã„ã¾ã™ã€‚

<#root>

```
 firepower#

show asp inspect-dp snort counters debug zeros
```

```
 SNORT Inspect Instance Counters


<#root>

Id   QId  Type  Name                          Value      Raw-Value
--   ---- ----  ----                          ---------- ----------
...
All  All  drop  RxQ-Full                      146.5 K

(146546)


All  All  drop  TxQ-Full                        0        (0)
```

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https://www.cisco.com/c/en/us/products/end-user-license-agreement.html
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Security Advisories and Alertsï¼‰]
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- cisco-sa-20171004-fpsnort:Cisco Firepower Detection Engineã�®IPv6ã�«ã�Šã�‘ã,‹ã,µãƒ¼ãƒ“ã,¹å¦¨å®³(DoS)ã�®è„†å¼±æ€§
- cisco-sa-20171004-ftd:Cisco Firepower Detection Engineã�®SSLå¾©å�·ãƒ¡ãƒ¢ãƒªæ¶ˆè²»ã�«ã�Šã�‘ã,‹Denial of Service(DoS)ã�®è„†å¼±æ€§

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6.1.0	6.1.0.6ï¼ˆãƒªãƒªãƒ¼ã,¹äº†å®šï¼‰
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Cisco Product Security Incident Response
Teamï¼ˆPSIRTï¼‰ã€€æœ¬ã‚¢ãƒ‰ãƒã‚¤ã‚¶ãƒªã«è¨˜è¼‰ã•ã‚Œã¦ã„ã‚‹è„†å¼±æ€§ã

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URL

https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20171004-ftd

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翻訳について
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