

Cisco NX-OS ¹/₂af•af^ã, !ã, §ã, çã® TCP netstack «ã Šã'ã, < Denial of Service ¹/₄^DoS ¹/₄%oã® è,, tã ¹/₄±æ€§



ã, çãf%ãfã, mã, ¶ã, ¶ãfãf^ã ID : cisco-sa-20160302-netstack

[CVE-2015-0718](#)

ã^ã...-é-æ—¥ : 2016-03-02 16:00

æ€çæ>æ-°æ—¥ : 2017-12-05 19:23

ãfãf^ã, ãfšãf^3 1.4 : Final

CVSSã, 1ã, 3ã, ç : [7.8](#)

ãžç- : No workarounds available

Cisco ãfã, ° ID : [CSCuo58749](#) [CSCup97345](#)

[CSCub70579](#) [CSCup97337](#) [CSCue79544](#)

[CSCup97366](#)

æ—¥æ-è^ãã «ã, ^ã, <æf...ã ±ã ã€è<±è^ãã «ã, ^ã, <ãžÿæ-†ã® éçã...-ã ¹/₄ã

æ!, è!®

Cisco NX-OS ¹/₂af•af^ã, !ã, §ã, çã® TCP

ã, 1ã, çãffã, ã «ã Šã'ã, <è,, tã ¹/₄±æ€§ã «ã, ^ã, Šã€è^è ¹/₄ã •ã, Çã |ã,, ã^ã,, ãfãfçãf^ãf^æ

ã «ã®è,, tã ¹/₄±æ€§ã ã€ã ¹/₂±èÿçã, ã—ã'ã, <ãf†ãfãã, mã, 1ã ÇE TIME_WAIT

çŠ¶æ...ã «ãã, ã, <ã 'ã^ã «ã€TCP

ã, »ãffã, ãfšãf^ã®çµ, ä^tã, ãf^ã, ±ãf^ã, 1ã «ã Šã'ã, <ç%¹ã®šã® TCP

ãfã, ±ãffãf^ã®ã†|çtã Çä, éç©ã^†ã^ã^ã "ã" "ã «èµ.ã»ã—ã ³/₄ã™ã€æ"æ'fè...ã ã

TIME_WAIT çŠ¶æ...ã® TCP

ã, »ãffã, ãfšãf^ã Çã~ãœ"ã™ã, <è©²ã¹/₂"ã®ãf†ãfãã, mã, 1ã «ç%¹ã®šã® TCP

ãfã, ±ãffãf^ã, éçäçã™ã, <ã "ã" "ã Šã€ãã "ã®è,, tã ¹/₄±æ€§ã, 'ã, æ£ã^ç"ã™ã, <ã^èf¹/₂æ

TCP ã, 1ã, çãffã, ã®ãfãfãf^ãf%ã, 'ã¹/₄ã^ã^èµ.ã "ã—ã |ã€DoS

çŠ¶æ...ã, ç™ç"ÿã^ã>ã, ã^ã "ã" "ã Çã Šã^ã ³/₄ã™ã€,

ã «ã®è,, tã ¹/₄±æ€§ã ã€ã IPv4 ãfã, ±ãffãf^ã ³/₄ãÿã^ IPv6

ãfã, ±ãffãf^ã®ã, ã, ã Šã, Çã<ã, 'ã¹/₂ç"ã—ã |ã, æ£ã^ç"ã™ã, ã, Çã, <ã^èf¹/₂æ€§ã Çã, ã, Šã

TCP ãfãf^ãf^ã®ã |ã®ã€ã.Šã|^ã «ç^ã.¥ã.ã, Çãÿ TCP

ãfã, ±ãffãf^ã®ã, ãf^ã, ±ãf^ã, 1ã «ã, ^ã £ã |ãf^ãfã, ãf^ãã, ã, Çã, <ã^èf¹/₂æ€§ã Çã, ã, Šã ³/₄ã

IPv4 and IPv6

and other protocols

and other protocols

and other protocols

and other protocols

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20160302-netstack>

and other protocols

and other protocols

and other protocols

- Cisco Nexus 1000V
- Cisco Nexus 3000 Series Switches
- Cisco Nexus 4000
- Cisco Nexus 5000 Series Switches
- Cisco Nexus 6000 Series Switches
- Cisco Nexus 7000 Series Switches
- Cisco NX-OS

Cisco NX-OS

and other protocols

OS

and other protocols

and other protocols

and other protocols

and other protocols

show version

Cisco Nexus Operating System (NX-OS) Software

TAC support: <http://www.cisco.com/tac>

Documents: http://www.cisco.com/en/US/products/ps9372/tsd_products_support_series_home.html

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Software
BIOS: version 3.6.0
loader: version N/A
kickstart: version 7.1(1)N1(1)
system: version 7.1(1)N1(1)

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ã,ã,¹ã,³ã-ã€ãã"ã®è,,†â¼±æ€šã£ã€ãã,ã,ã,¹ã,³ãfãf«ãfãf-ã,ããfããfã,£ãf-ã,ã,çãfããã,ã¸ãfãããã,ã,ã,¹ã,³ãfãfãã«ã½±éÿã,'ã¸ã¼ããªã,,ã"ã"ã"ã,çç"èªã-ã|ã,,ã¾ã™ã€,

ã,»ã,ãfYãfªãf†ã,£ã¾®³ã®ç-•è·j

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ã"ã®è,,†â¼±æ€šã«ã¾ã¶|ã™ãã,ã»žéçã-ãã,ã,¸ã¾ã»ã,"ã€,

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ã,ã,¹ã,³ã-ã€ãã,çãfãããã,ãã,¶ãfªã«è"è¼%ãã•ã,£ãÿè,,†â¼±æ€šã«ã¾ã¶|ã™ãã,ç,,ããfããf¼ã,,ãf¸ããããããfã,£ãf¼ããfãf£ãã,»ããfãããã«ã¾ã-ã|ã®ããããã"ããã,¸ã¾ã¾ã™ã€ãããã®ã,ããfããfãã,|ã,¸ã,

OSã, ½ãf•ãf^ã, lã, šã, çã @SNMPãfã, ±ãffãf^ã «ã Šã'ã, <DoSè,, tã¼±æ€š

- [cisco-sa-20160302-netstack](#): Cisco NX-OSã, ½ãf•ãf^ã, lã, šã, çã @TCP
Netstackã «ã Šã'ã, <DoSè,, tã¼±æ€š
- [cisco-sa-20160302-n3k](#): Cisco Nexus
[3000ã, .ãfããf¼ã, °ã Šã, ^ã³3500ãf—ãf©ãffãf^ãf•ã, ©ãf¼ãfã, lã, ðãffãfãã «ã Šã'ã, <ã®%ãã...](#)

æ¬¼ã @èj ã šã ã€ã· |ã @ã^—ã «ã€ Cisco NX-OS

ã, ½ãf•ãf^ã, |ã, šã, çã @ãfã, ãffãf¼

ãfããfãf¼ã, lã, çããã—ã¼ã™ã€, ä, ðãã @ã^—ã Ççãã™ã @ã ã€æœ—ã, çãf%ããfã, ðã,

ãfããfãf¼ã, lã, ã @ã½±éÿã @æœ%ãç,, |ã€ãã¼ãÿã€æœ—è,, tã¼±æ€šã «ã¼ã™ã, <ã @æf

ãfããfãf¼ã, lã šã™ã€, ã³ã @ã^—ã ã€ãfã, ãffãf¼

ãfããfãf¼ã, lã Çããã @ã, ããf—ã, ã, ãfšãf³ã @ã, çãf%ããfã, ðã, ¶ããã «è ~è¼%ãã—ãÿã½•ã, %

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| <p>Cisco NX-OS ã, ½ãf•ãf^ã, lã, šã, çã ãfã, ãffãf¼ ãfããfãf¼ã, lã - Cisco UCS</p> | <p>ã “ã @è,, tã¼±æ€šã «ã¼ã™ã, <æœ€ã^ã @ã @ã @æfããfããfãf¼ã, lã</p> | <p>ã “ã</p> |
| <p>2.1 ã, ^ã, Šã%</p> | <p>ã½±éÿãã, ã, Šã€ 2.2(2c)ãã @çš»è; Çã Çãã...è </p> | <p>2.2(2)</p> |
| <p>2.1</p> | <p>ã½±éÿãã, ã, Šã€ 2.2(2c)ãã @çš»è; Çã Çãã...è </p> | <p>2.2(2)</p> |
| <p>2.2</p> | <p>2.2(2c)</p> | <p>2.2(2)</p> |
| <p>3.0</p> | <p>Not affected</p> | <p>Not a</p> |

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|--|---|---------------|
| <p>Cisco NX-OS ã, ½ãf•ãf^ã, lã, šã, çã ãfã, ãffãf¼ ãfããfãf¼ã, lã - Nexus 1000V ã, ããfããf¼ã, °ã ã, lã, ðãffãfãã</p> | <p>ã “ã @è,, tã¼±æ€šã «ã¼ã™ã, <æœ€ã^ã @ã @ã @æfããfããfããfãf¼ã, lã</p> | <p>ã “ã</p> |
| <p>5.2 ã, ^ã, Šã%</p> | <p>è©²ã½“ã€, 5.2(1)SV3(1.1)ãã @çš»è; Çã Çãã...è </p> | <p>5.2(1)</p> |
| <p>5.2</p> | <p>5.2(1)SV3(1.1)</p> | <p>5.2(1)</p> |

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|---|---|--------|
| <p>Cisco NX-OS ã,½ãf•ãf^ã,lã,šã,ç ãf;ã,ãf£ãf¼ ãfªãfªãf¼ã,¹ - Nexus 3000 ã,ãfªãf¼ã,º ã,¹ã,ªãffãf</p> | ã"ã®è,,tã¼±æ£šã«ã³¼ã™ã,æœ€ã^ã®ä¿®æ£ãfªãfªãf¼ã,¹ | ã" |
| 6.0 ä»¥ã%o | è©²ã½"ã€,6.0(2)U1(1)ã,ã®çš»è;£ã—£ã¿...è | 6.0(2) |
| 6.0 | 6.0(2)U1(1) | 6.0(2) |
| 7.0 | Not affected | Not a |

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|---|---|
| <p>Cisco NX-OS ã,½ãf•ãf^ã,lã,šã,ç ãf;ã,ãf£ãf¼ãfªãfªãf¼ã,¹ - Nexus 3500 ãf—ãf©ãffãf^ãf•ã,©ãf¼ãf ã,¹ã,ªãffãf</p> | ã"ã®è,,tã¼±æ£šã«ã³¼ã™ã,æœ€ã^ã®ä¿®æ£ãfªãfªãf¼ã,¹ |
| 6.0 ä»¥ã%o | è©²ã½"ã€,6.0(2)A1(1)ã«çš»è;£ã—ã ããããã•ã,ã€, |
| 6.0 | 6.0(2)A1(1) |
| 7.0 | Not affected |

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| <p>Cisco NX-OS ã,½ãf•ãf^ã,lã,šã,ç ãf;ã,ãf£ãf¼ ãfªãfªãf¼ã,¹ - Nexus 4000 ã,ãfªãf¼ã,º ã,¹ã,ªãffãf</p> | ã"ã®è,,tã¼±æ£šã«ã³¼ã™ã,æœ€ã^ã®ä¿®æ£ãfªãfªãf¼ã,¹ | ã" |
| 4.1 | 4.1(2)E1(1n) | 4.1(2) |

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| <p>Cisco NX-OS ã,½ãf•ãf^ã,lã,šã,ç ãf;ã,ãf£ãf¼ ãfªãfªãf¼ã,¹ - Nexus 5000</p> | ã"ã®è,,tã¼±æ£šã«ã³¼ã™ã,æœ€ã^ã®ä¿®æ£ãfªãfªãf¼ã,¹ | ã" |
|---|---|----|

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| ã,ãfãf¼ã,° ã,¹ã,ãffãf | | |
| 5.2 ã,ã,Šã% ã,¹ã,ãffãf | è©²ã½“ã€,5.2(1)N1(9)ã,ã«çš»è;ĈãĈãž...è | 5.2(1) |
| 5.2 | 5.2(1)N1(9) | 5.2(1) |

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| Cisco NX-OS ã,½ãfãf^ã,lä,šã,ç ãf;ã,ãffãf¼ãfãfãf¼ã,¹ - Nexus 5500 ãf—ãfãffãf^ãfã,ãf¼ãfãŠã,ã³ 6000 ã,ãfãf¼ã,°ã,¹ã,ãffãf | ã“ã®è,,tä¼±æšã«ã¾ã™ã,æœĈã^ã®ãž®æĈãfãfãf¼ã,¹ã | |
| 5.2 ã,ã,Šã% ã,¹ã,ãffãf | è©²ã½“ã€,5.2(1)N1(9)ã,ã«çš»è;ĈãĈãž...è | |
| 5.2 | 5.2(1)N1(9) | |
| 6.0 | 6.0(2)N2(7) | |
| 7.0 | 7.0(0)N1(1) | |
| 7.1 | Not affected | |
| 7.2 | Not affected | |

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| Cisco NX-OS ã,½ãfãf^ã,lä,šã,ç ãf;ã,ãffãf¼ãfãfãf¼ã,¹ - Nexus 7000ã€7700 ã,ãfãf¼ã,°ã,¹ã,ãffãf | ã“ã®è,,tä¼±æšã«ã¾ã™ã,æœĈã^ã®ãž®æĈãfãfãf¼ã,¹ã | ã“ã®è,,tä¼±æšã«ã¾ã™ã,æœĈã^ã®ãž®æĈãfãfãf¼ã,¹ã |
| 5.2 ã,ã,Šã% ã,¹ã,ãffãf | è©²ã½“ã€,5.2(9)ã«çš»è;ĈãĈãž—ã ããããããã,ã€, | 5.2(9) |
| 5.2 | 5.2(9) | 5.2(9) |
| 6.0 | è©²ã½“ã€6.1(4a)ã«çš»è;Ĉ | 6.1(4) |
| 6.1 | 6.1(4a) | 6.1(4) |
| 6.2 | 6.2(2) | 6.2(2) |
| 7.2 | Not affected | Not affected |

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| ãfãf¼ã,ãfsãf³ | èª-æ~Ž | |
| | | |
| 1.1 | Nexus 3000 ã,·ãfªãf¼ã,° ã,¹ã,ªãffãfç"ã ®æœ€ã^ã ®ä¿æfæ,^ã ¿ãfªãf¼ã,¹ã,'æ'æ-°ã€, | ä¿æf |
| 1.0 | ã^ã¿ã...-é-ãfªãf¼ã,¹ | - |

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æœ-ã,çãf%ãfã,ªã,¶ãfãã®æf...ã ±ãŠã,^ã³ãfªãf³ã,ã®ä½¿ç"ã«é-çã™ã,«è²-ä»ã®ä,€
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ã"ã®ãf%ã,ãfªãf¼ãã³ã^ã®æf...ã ±ã-ã€ã,ã,¹ã,³è£½ã"ã®ã,"ãfªãf%ãf¼ã,¶ã,ã³¼è±jã

翻訳について

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