

Cisco NX-OS

Simple Network Management Protocol SNMP



ã,çãf%oãf♦ã,¤ã,¶ãfããf%ID : cisco-sa-
20181017-nxos-snmp

[CVE-2018-0456](#)

å^♦å...-é-æ-¥ : 2018-10-17 16:00

ãf♦ãf%4ã,ãf§ãf³ 1.0 : Final

CVSSã,¹ã,³ã,¢ : [7.7](#)

å›é♦¿ç- : No workarounds available

Cisco ãf♦ã,° ID : [CSCv70029](#)

æ—¥æœ—è^zã♦«ã,^ã,<æf...å ±ã♦—ã€♦è<±è^zã♦«ã,^ã,<åŽÝæ—‡ã♦®é♦žå...-å¼♦ã

æ!,è!

Cisco NX-OS ã,½ãf•ãf^ã,|ã,§ã,çã♦«ã♦Šã♦'ã,<ã€♦Simple Network Management
Protocoli¼^SNMPi¼%oã♦®å...¥åŠ>ãf^ã,±ãffãf^
ãf—ãfã,»ãffã,µã♦®è,,tå¼±æ€§ã♦«ã,^ã,Šã€♦è^ã♦è^¼ã♦•ã,Œã♦|ã♦,ã♦,ã♦,ãf^ãfçãf%4ãf^ã♦®æ"
SNMP
ã,çãf—ãf^ã,±ãf%4ã,·ãf§ãf³ã,'ä°^æœÝã♦»ã♦šå†♦èµ·å<•ã♦™ã,<å♦—èf½æ€§ã♦Œã♦,ã,Šã♦¾ã♦™ã€,
æœ—è,,tå¼±æ€§ã♦—ã€♦SNMP ãf^ã,±ãffãf^ã♦«ã♦Šã♦'ã,ãf‡ãf%4ã,çå♦~ä½♦i¼^PDUi¼%oã♦®ä,♦é♦©å^‡ã♦,å...¥åŠ>æœè^¼ã♦«èµ·å>ã♦—ã♦|ã♦,ã♦,ã♦¾ã♦
SNMP
ãf^ã,±ãffãf^ã♦Œè©²å½“ãf‡ãf♦ã,¤ã,¹ã♦«é♦ä,çjã♦•ã,Œã,<ã♦—ã€♦æœ—è,,tå¼±æ€§ã♦Œã,“ã,—ã,¹ã,
ã,çãf—ãf^ã,±ãf%4ã,·ãf§ãf³ã,'è¤‡æ°å>žå†♦èµ·å<•ã♦,ã♦»ã♦“ã♦«ã,^ã,Šã€♦ã,·ã,¹ãftãf
ãf—ãf™ãf«ã♦®å†♦èµ·å<•ã♦“ã,µãf%4ãf^ã,¹ã|“å®³i¼^DoSï¼%oçŠ¶æ...ã,’å¼•ã♦,ã♦èµ·ã♦“ã♦™ã♦“ã♦
ã,·ã,¹ã,³ã—ã♦“ã♦®è,,tå¼±æ€§ã♦«å—¾å†!ã♦™ã,<ã,½ãf•ãf^ã,|ã,Šã,çãffãf—ãf‡ãf%4ãf^ã,’ãf^ãf^ãf%
ã♦“ã♦®ã,çãf%oãf♦ã,¤ã,¶ãf^ã—ã€♦æ—¡ã♦®ãf^ãf³ã,—ã,^ã,Šçç°è^ã♦ã♦§ã♦¾ã♦™ã€,

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20181017-nxos-snmp>

è©²å1/2“è£1/2å“♦

è,,†å¼±æ€§ã®ã,ã,«èF½å“♦

æœ¬è,,†å¼±æ€§ã®ãCisco NX-OS

ã,½ãf•ãf^ã,|ã,§ã,çã®è,,†å¼±æ€§ã®ã,ã,«ãfãfãf½ã,¹ã,’å®Ýè;Œã™ã,«æ¬jã®ã,·ã,¹ã,³èF½å“♦

- Nexus 3000 ã,·ãfãf½ã,º ã,¹ã,¤ãffãf♦
- Nexus 3600 ãf—ãf©ãffãf^ãf•ã,©ãf½ãf ã,¹ã,¤ãffãf♦
- ã,¹ã,çãf³ãf%oã,¢ãfãf³ NX-OS ãfçãf½ãf%oã® Nexus 9000 ã,·ãfãf½ã,º ã,¹ã,¤ãffãf♦
- Nexus 9500 R ã,·ãfãf½ã,º ãf©ã,¤ãf³ã,«ãf½ãf%oã®Šã,^ã®³ãf•ã,jãf—ãfãffã, —ãfçã,ãf¥ãf½ãf«ã®’ã,½ãf•ãf^ã,|ã,§ã,çãfãfãf½ã,¹ã®Šã®—ã€®7.0(3)I7(3) ã®«ã®ã®ã®—è,,†å¼±æ€§ã®Œã,ã,Šã®³/4ã®™ã€,

ã,¹ã,çãf³ãf%oã,¢ãfãf³ NX-OS ãfçãf½ãf%oã® Nexus 3000 ã,·ãfãf½ã,º ã,¹ã,¤ãffãf♦ã® Nexus 9000 ã,·ãfãf½ã,º ã,¹ã,¤ãffãf♦ã®’ã,½ãf•ãf^ã,|ã,§ã,çãfãfãf½ã,¹ã®Šã®—ã€®7.0(3)I7(3) ã®«ã®ã®ã®—è,,†å¼±æ€§ã®Œã,ã,Šã®³/4ã®™ã€,

Nexus 3600 ãf—ãf©ãffãf^ãf•ã,©ãf½ãf ã,¹ã,¤ãffãf♦ã€®ã®Šã,^ã®³ Nexus 9500 R ã,·ãfãf½ã,º ã®ãf©ã,¤ãf³ ã,«ãf½ãf%oã®”ãf•ã,jãf—ãfãffã,—ãfçã,ãf¥ãf½ãf«ã®’ã,½ãf•ãf^ã,|ã,§ã,çãfãfãf½ã,¹ã®Šã®—ã€®7.0(3)F3(4) ã®«ã®ã®ã®—è,,†å¼±æ€§ã®Œã,ã,Šã®³/4ã®™ã€,

å½±éÝçã,’å®—ã®’ã,«ãfãfãf½ã,¹ã®æ®ç°’ã®«ã®¤ã®,ã®|ã®—ã€®æœ¬ã,»ã,ãf¥ãfãf½ã,£ã,çãf%oãfã,¤ã,¶ãfãä®ã€æ®æ®ç®’ã,½ãf•ãf^ã,|ã,§ã,çã€®ã,»ã,—ã,·ãf§ãf³ã’å®,ç...§ã®—ã

SNMP ã®çS¶æ³♦ã,’ççºèª♦ã®™ã,«

ç®¡ç®†è€...ã®—ã€®ãf#ãfã,¤ã,¹ã®CLI ã®§ show running-config snmp

ã,³ãfžãf³ãf%oã,’ä½ç®—ã®|ã®¤ã®SNMP

ã®Œãf#ãfã,¤ã,¹ã®§å®Ýè;Œã®•ã,Œã®|ã®,ã,«ã®[æ®ç®tã®\[ã,’ççºèª♦ã®§ã®¤ã®³/4ã®™ã€,\]\(#\)](#)

<#root>

nxos-switch#

show running-config snmp

snmp-server user admin network-admin auth md5 ***** priv ***** localizedkey
snmp-server community *community-string* group network-admin

è,,†å¼±æ€§ã,’å®«ã,“ã®§ã®,,ã®¤ã®,ã®“ã®”ã®Œççºèª♦ã®•ã,Œã®ÝèF½å“♦

“**æ** ◊ “**æ** ◊ **R****æ**, **C****æ****f****%****o****æ****f** ◊ **æ**, **ø****æ**, **¶****æ**, **¶****æ** ◊ **R****æ** ◊ **E****æ**, **t****æ****1****/****4****+****æ** **€****ñ****æ** ◊ **R****æ** ◊ **æ**, **è****æ****1****/****2****å** ◊ **æ****æ**, **»****æ**, **~****æ**, **·****æ****ñ****æ****f****3****æ** ◊ **è** “**~** **è****1****/****4****%****æ** ◊ **•****æ**

è©³çºº

SNMP ã, "ãf¼ã, ,ã, §ãf³ãf^ã ◊ "ã€◊ãf‡ãf◊ã, ã, 1 ãf'ãf©ãfjãf¼ã, ,ã ◊ Šã, ^ã ◊ ³ãf◊ãffãf^ãf"ãf¼ã, -
ãf‡ãf¼ã, ,ã ◊ «é-çã◊™ã, <æf...å ±ã ◊ ®ãf^ãf◊ã, ,ãf^ãf^ã ◊ Šã ◊ ,ã, ã ◊ <ã, %oãf‡ãf¼ã, ,ã, 'å ◊ Žé> tã ◊ —ã ◊ ³ãf◊™ã€, ã ◊ ³ãf◊Ýã€◊SNMP
ãfžãf◊ãf¼ã, ãf£ã◊ã, %oã◊®è | ◊ æ±, ã ◊ «å¿œç"ã ◊ —ã ◊ |ã€◊ãf‡ãf¼ã, ,ã ◊ ®å◊-å¾—ã ◊ ³/4ã◊Ýã◊
ã, "ãf¼ã, ,ã, Šãf³ãf^ã ◊ «ã◊" MIB å¤‰æ•°ã ◊ Céå◊«ã◊ ³/4ã, Céã€◊ã◊◊ã◊®å€¤ã ◊ "ã€◊get
æ“◊ä½œã◊ ³/4ã◊Ýã◊" set æ“◊ä½œã, "ä½¿ç" "ã ◊ ™ã, <ã ◊ "ã ◊ "ã ◊ «ã, ^ã ◊ fã◊ |ã€◊SNMP
ãfžãf◊ãf¼ã, ãf£ã◊«ã, ^ã ◊ fã◊ |è! ◊ æ±, ã ◊ ³/4ã◊Ýã◊" å¤‰æ»' ã ◊ Šã◊◊ã◊ ³/4ã◊™ã€,

SNMP f?f¼,ff 2c

āñf‡āñf¼ā, ñā♦, ñā♦®è¤ä♦¿å♦-ä, Šå°, ç”“ä, cä, -ä, »ä, ¹ä♦Šä, ^ä♦³è¤ä♦¿å♦-ä, Š/æ», ä♦¿è¤¾½ä♦¿ä, cä, -ä, »ä, ¹äf^äf¤äf³ä, °ä♦«ä♦-ä, €è¤-»çš,, ä♦¤ä, äf¼äf^-äf¼äf%oä, 'ä½¿ç”“ä♦>ä♦šä€♦ä->-ä♦®äfä, ¹äf^-äf¼äf%oä

„, а, аf~аf^аftа, f а ® аf♦аf^а, ·аf%а♦«å♦^а, ♦а♦»а♦| ам‰оæ»' а♦™а, <å¿...è| ♦а, а♦, а, Ѣа♦¾а♦™а
а, ¹аf^аf^аf^а, °а, 'ам‰оæ»' а♦™а, <å¿...è| ♦а♦CEа♦, а, Ѣа♦¾а♦™а€,

ଅକ୍ଷରଙ୍ଗାତ୍ମକ ପରିପାଳନା କରିବାକୁ ପରିଚାରିତ କରିଛି।

å>žé◆?¿ç-

„**æ** „**æ** ®è,,†å¼±æ€§ã««å¾å†|ã™ã,〈å›éã¿ç-ã™ã,ã,Šã¾å»ã,“ã€,

ÃƒÃ„, ÃƒÃ„1/4^ACLÃ„1/4%oÃ„'è " ª®šã?šã?ã?3/4ã?™ã€,ã? "ã?® ACL

—ä¿jã™ã,< SNMP

è | ♦æ±,ã,'äf•ã,fñf«ã,¿äf^aäf³ã,ºä♦—ä€♦äçjé ¼ä♦§ã♦♦ã,< SNMP

ã, "ãf©ã, ã, çãf³ãf^ã?®ã?¿ã?« SNMP

è | ♀æ±,ã ♀®ã ♀¿ãf‡ãf ♀ã,¤ã,¹ã ♀§è „ ±å ♀¬ã ♀•ã,Œã ♀¾ã ♀™ã€,

<#root>

switch#

show access-list

acl_for_snmp

IPV4 ACL *acl_for_snmp*

```
10 permit udp 192.168.1.2/32 192.168.1.3/32 eq snmp
```

å‰%♦ã♦® ACL ã♦~ä€♦ç®¡ç♦†è...ã♦Œ snmp-server community
ã,³äƒ³äƒ•ã,£ã,®äf¥äf~äf¹/4ã,·äf§äf³
ã,³äfžäf³äf‰oã♦«è½åŠ ã♦™ã,ã♦“ã♦”ã♦§ã€♦å®ÝèF...ã♦™ã,ã♦“ã♦”ã♦Œã♦§ã♦ä♦¾ã♦

<#root>

switch#

```
show running-config snmp
```

```
snmp-server community mycompany  
    use-acl acl_for_snmp
```

Cisco NX-OS supports [Filtering SNMP Requests](#).

ä;®æ£æ, ^ä♦¿ä, ½äƒ•äƒ^ä, | ä, sä, c

ä, ä, 1ä, 3ä, -ä, ä®, Cäf%oñäf, ä, ¶ä, ¶äf, ä, «è~è¼%oä•ä, Cä, ÿè, †å½æ€§ä, «å-¾å†!ä, ä™ä, <ç, i, äf, äf½ä, äf§äf, ä, äf•ä, Eäf½äf, äf

<https://www.cisco.com/c/en/us/products/end-user-license-agreement.html>

«è .. ~ è ¼ % o ã ® ã , · ã , ¹ ã , ³ ã ® ã , ½ ã f • ã f ^ ã , | ã , s ã , ç ã f © ã , x ã , » ã f ³ ã , ¹

Security Advisories and Alerts

Technical Assistance

Center of TAC in 14% of cases. The mean age was 51 years.

ã, ã f^{1/4} ã f“ã, 1å¥‘c’..ã, ’ã

◆"å^©ç"“ã♦§ã♦^ã♦,,ã♦Šå®çæs~

ã,·ã,^ã,^ã♦[ã,‰oç'æž¥è³¼å...¥ã—ã♦Ýã♦Œã,·ã,^ã♦®ã,µãf¼ãf"ã,^å¥'ç'„ã,'ã♦"å^©ç"“ã♦,,ã♦Ýã♦cisco-worldwide-](#)

[contacts.htmli¹⁴‰oã♦«é€fçµjã♦—ã♦!ã,cäffäf—ã,ºãf-ãf¹⁴ãf‰oã,'ã...¥æ‰oã♦—ã♦!ã♦ã♦ã♦ã♦•ã♦,](#)

ç,,jå,,Ýã,çäffäf—ã,ºãf-ãf¹⁴ãf‰oã♦®ã—³/4è±|è£½å”♦ã♦§ã♦,ã,<ã♦"ã♦"ã,'è"¹/4æ~žã♦—ã♦!ã♦,,ã♦Ýã♦URL ã,'ã♦"ç"“æ,,♦ã♦♦ã♦ ã♦•ã♦,,ã€,

ã¿®æ£æ,^ã♦¿ãf^ãf^ãf¹⁴ã,¹

æ¬jã♦®èj“ã♦§ã€♦å·|ã♦®å^—ã♦ Cisco NX-OS

ã,½ãf•ãf^ã,|ã,§ã,çã♦®ãf^ãf^ãf¹⁴ã,¹ã,'ç¤°ã♦—ã♦³/4ã♦™ã€,å♦³å♦'ã♦®å^—ã♦—ã€♦ãf^ãf^ãf¹⁴ã,¹ã♦

ã,^ã,;ãf³ãf‰oã,çäffäf³NX-OSãfçäf¹⁴ãf‰oã♦®Nexus

3000ã,·ãf^ãf¹⁴ã,ºã,^ã,çäffäf♦ã♦Šã,^ã♦³9000ã,·ãf^ãf¹⁴ã,ºã,^ã,çäffäf♦i¹⁴š[CSCvij70029](#)

Cisco NX-OS	ã♦"ã♦®è,,†å¹/4±æ€§ã♦«å—³/4ã♦™ã,æœ€å^♦ã♦®ä¿®æ£ãf^ãf^ãf¹⁴ã,¹
7.0(3)I5 ä»¥å‰oã♦	è,,†å¹/4±æ€§ã♦^ã♦—
7.0(3)I5	è,,†å¹/4±æ€§ã♦^ã♦—
7.0(3)I6	è,,†å¹/4±æ€§ã♦^ã♦—
7.0(3)I7	7.0(3)I7(4)
9.2(1)	è,,†å¹/4±æ€§ã♦^ã♦—

Nexus 3600ãf—ãf©äffäf^ãf^ã,©ãf¹⁴ãf ã,^ã,çäffäf♦ã♦Šã,^ã♦³9500

Rã,·ãf^ãf¹⁴ã,ºãf©ã,çäf³ã,«ãf¹⁴ãf‰oã♦"ãf^ã,;ãf-ãf^ãf^ã,—"ãfçã,ãf¥ãf¹⁴ãf«i¹⁴š[CSCvij70029](#)

Cisco NX-OS	ã♦"ã♦®è,,†å¹/4±æ€§ã♦«å—³/4ã♦™ã,æœ€å^♦ã♦®ä¿®æ£ãf^ãf^ãf¹⁴ã,¹
ã,½ãf•ãf^ã, ã,§ã,çãf^ãf^ãf¹⁴ã,¹	ã,½ãf•ãf^ã, ã,§ã,çãf^ãf^ãf¹⁴ã,¹ã,çäffäf—ã,ºãf-ãf¹⁴ãf‰oï¹/⁴SMUï¹/⁴‰o7.0(3)F3(4)
9.2(1)	è,,†å¹/4±æ€§ã♦^ã♦—

ä,♦æ£å^©ç"“äº<ã³/4ã♦"“å...¬å¹/4?ç™oèj“

Cisco Product Security Incident Response

Teami¹/⁴PSIRTi¹/⁴‰oã♦—ã€♦æœ—ã,çãf‰oãf♦ã,çã,¶ãf^ã,«è"“è¹/⁴‰oã♦•ã,Œã♦!ã♦,,ã,<è,,†å¹/4±æ€§ã♦

å‡ºå...,

æœ¬è,,†å¼±æ€§ã˜ã€♦ã,·ã,¹ã,³å†...éf..ã♦§ã♦®ã,»ã,ãƒ¥ãƒ¤ãftã,F
ãftã,¹ãf^ã♦«ã,^ã♦£ã♦|ç™øè|<ã♦•ã,Cæ♦¾ã♦—ã♦Ýã€,

URL

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20181017-nxos-snmp>

æ”¹è”,å±¥æ‘

ãf♦ãf¼ã,ãf§ãf³	èª¬æ˜Ž	ã,»ã,¬ã,·ãf§ãf³	ã,¹ãf†ãf¼ã,¿ã,¹	æ—¥ä»~
1.0	å^♦å›žå...¬é¬<ãf^ãf^ãf¼ã,¹	-	Final	2018 å¹` 10 æœ^ 17 æ—¥

å^©ç”·è!♦ç‘,

æœ¬ã,çäf‰oãf♦ã,¤ã,¶ãf^ã♦¬ç„¡ä¿♦è”¹ã♦®ã,,ã♦®ã♦”ã♦—ã♦|ã♦”æ♦♦ä¾»ã♦—ã♦|ã♦Šã,Šã
æœ¬ã,çäf‰oãf♦ã,¤ã,¶ãf^ã♦®æf...å ±ã♦Šã,^ã♦³ãf^ãf³ã,¬ã♦®ä½¿ç””ã♦«é-çã♦™ã,<è²¬ä»»ã♦®ã,€
ã♦¾ã♦Ýã€♦ã,·ã,¹ã,³ã♦—æœ¬ãf‰oã,ãƒ¥ãf^ãf³ã^ã♦®å†...å®¹ã,’ë°^å’Šã♦^ã♦—ã♦«å¤‰æ›ã♦—ã♦
æœ¬ã,çäf‰oãf♦ã,¤ã,¶ãf^ã♦®è”~è¿°å†...å®¹ã♦«é-çã♦—ã♦|æf...å ±é...♦ä¿jã♦® URL
ã,’çœ♦ç·¥ã♦—ã€♦å♦~ç<¬ã♦®è»çè¼‰oã,,æ,,♦è”³ã,’æ-½ã♦—ã♦Ýã ’å♦^ã€♦å½”ç¤¾ã♦Œç®;ç♦
ã♦”ã♦®ãf‰oã,ãƒ¥ãf^ãf³ã^ã♦®æf...å ±ã♦¬ã€♦ã,·ã,¹ã,³è£½å”♦ã♦®ã,“ãf^ãf‰oãf^ãf¼ã,¶ã,’å”¾è±¡ã

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。