

Cisco IOS XR Software Intermediate System

ã?«ã?Šã?‘ã,<ã,µãf¼ãf“ã,¹å! “ å®³ã?®è,,tå¼±



ã,çãf‰ãf♦ã,¤ã,¶ãfãf¼ID : cisco-sa-

20190807-iosxr-isis-dos-1910

[CVE-2019-](#)

[1910](#)

å^♦å...-é-æ—¥ : 2019-08-07 16:00

æœ€qæ>æ—°æ—¥ : 2019-08-20 15:38

ãf♦ãf¼ã,ãfSãf³ 1.1 : Interim

CVSSã,¹ã,³ã,c : [7.4](#)

å›žé♦¿ç- : No workarounds available

Cisco ãf♦ã,º ID : [CSCvp49076](#)

æ—¥æœ—èªžã?«ã,^ã,<æf...å ±ã?—ã€♦è<±èªžã?«ã,^ã,åŽÝæ-‡ã?®é♦žå...-å¼ã?å

æ!,è!

Cisco IOS XRã,½ãf•ãf^ã,|ã,§ã,çã?®Intermediate System-to-Intermediate System(IS-IS)ãf?ãf¼ãftã,£ãf³ã,ºãf—ãfãf^ã,³ãf«æ©Ýèf½ã?®å®Ýèf...ã?«ã?Šã?‘ã,è,,tå¼±æ€§ã?«ã,^ã,Šã€♦ã,ISã,“ãfãã,çã?«å~åœ“ã?™ã,<èª?è“¼ã?•ã,Cæã?|ã?„ã?„ã?„æ”»æ'fè€...ã?Cæã,µãf¼ãf“ã,¹å! “ å®³(D

ã?“ã?®è,,tå¼±æ€§ã?—ã€♦å·§ã!™ã?«ç°å·¥ã?•ã,Cæã?ÝIS-ISãf³ã,—ã,¹ãftãf¼ãf^ãf—ãf-ãf^ã,³ãf«ãf?ãf¼ã,¿ãf|ãf²ffãf^(PDU)ã?®ä,♦é♦©å^‡ã?“å‡!ç?†ã?«èµ·å»ã?—ã?¾ã?™ã€,æ”»æ'J PDU

ã,’è©²å½“ã,·ã,¹ãftãf ã?«é€♦ä?jã?—ã?|å‡!ç?†ã?•ã?»ã,<ã?“ã?“ã?«ã,^ã,Šã€♦ã?“ã?®è,,tå¼±ISã,“ãfãã,çå†...ã?®ã?™ã?¹ã?|ã?®ãf«ãf¼ã,¿ã?§IS- ISãf—ãfã,»ã,¹ã,‘ä?“æœÝã?»ã?šå†?èµ·å?•ã?»ã€?ã?“ã?®çµ?æžœDoSçŠ¶æ...[ã?Cç™oç”Ýã](#)

ã?“ã?®ã,çãf‰ãf♦ã,¤ã,¶ãfã?—ã€?æ¬;ã?®ãf³ã,—ã,^ã,Šçç°è?ã?ã?§ã?“ã?¾ã?™ã€,

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20190807-iosxr-isis-dos-1910>

æ¬;ã?®ãf³ã,—ã?§é-çé€£ã,çãf‰ãf♦ã,¤ã,¶ãf³ã,’çç°è?ã?ã?§ã?“ã?¾ã?™ã€,

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20190807-iosxr-isis-dos-1918>

è©²å½“è£¹/²å“?

è, †å¼±æ€§ã®ã, ã, \times ï½å“?

á, ·á, ¹á, ³á Šá ¸á „á € á “á ® è „á ¼ ± æ € Šá ¸Œ Cisco IOS XR 32 áf “áffáf ^
á, ½ áf • áf ^ á, | á, Šá, c á ¸á „á Cisco IOS XR 64 áf “áffáf ^
á, ½ áf • áf ^ á, | á, Šá, c á ¸á ® á, jæ - ¹á « á ½ ± é Ÿ á, / á, Žá ^ á, <á “á “á , c C ° è ^ á, — á ¸á ¾ á — á “á Ÿ á €,

ãƒ†ãƒ‡ã,¤ã,¹ã‡®è”å®šã‡«è,†å¼±æ€§ã‡Œã‡ã,¤ã‡¤ã‡©ã‡†ã‡¤ã‡®ç¢ºè¤

IS-IS^{running-config} router isis EXEC^{IS-ISIS}
IS-IS^{running-config} router isis show running-config

āf‡āf♦ā,¤ā,¹ā♦Œis-type level-1ā€♦level-1-2ā€♦ā♦¾ā♦Ýā♦~level-2-onlyā♦®ā♦„ā♦šā,Œā♦<ā♦«è „å®šā♦•ā,Œā♦!ā♦„ā,<å♦~ā♦~ā€♦ā♦“ā♦®å•♦éjŒā♦«è©²

<#root>

RP/0/RSP1/CPU0:IOSXR#

```
show running-config router isis
Sun May 26 05:20:23.088 UTC
router isis core
is-type level-1
net 49.0001.1921.6825.5091.00
address-family ipv4 unicast
!
interface TenGigE0/0/0/1
    address-family ipv4 unicast
!
```

æ¬|ã?®å‡°åŠ>ã?«ã?¬ã€?2

ISéšFæž¥é-čä,ãŒå½çæ^•ã,Œä|ã„,ã„ç¾ä™ä€,äf†äf•ã,¤ä,¹ã,’ä,æ£å^©ç”“ã™

<#root>

RP/0/RSP1/CPU0:IOSXR#

show isis adjacency

IS-IS p Level-1 adjacencies:

System Id	Interface	SNPA	State	Hold	Changed	NSF	BFD
12a4	P00/1/0/1	*PtoP*	Up	23	00:00:06	Capable	Init
12a4	TenGigE0/0/0/1	0004.2893.f2f6	Up	56	00:04:01	Capable	Up

Total adjacency count: 2

!

è, †å¼±æ€§ã,’å♦«ã, “ã♦§ã♦,,ã♦ªã♦,,ã♦“ã♦”ã♦Œç¢ºèª♦ã♦•ã,Œã♦Ÿè½å”♦

ã♦“ã♦®ã, ¢ãƒ‰oãƒ♦ã, ¢ã, ¶ãƒªã♦®å, †å¼±æ€§ã♦®ã♦, ã, <è½å”♦ã, »ã, –ã, ·ãƒ§ãƒã♦«è „~è½‰ã♦ã

è©³ç’°

ã, ♦æ£å^©ç””ã♦Œç™oç”Ÿã♦—ã♦Ÿå ‘å♦^ã♦—ã♦, ”ãƒªã, ¢å†...ã♦®ã♦™ã♦¹ã♦|ã♦®IS-
ISãƒ«ãƒ¼ã, ¿ã♦, %oç ’ æ♦♦♦ã—ã♦Ÿãƒªãƒ³ã, –ã, ¹ãftãƒ¼ãƒ^PDUã, ’‰oŠé™¤ã♦™ã, <ã♦”ã♦”ã♦§ã€♦
ISãƒ–ãƒ™ãƒ«ã♦®ãƒ«ãƒ¼ã, ¿ã, ’å›žå¾©ã♦§ã♦, ã♦¾ã♦™ã, ã♦”ã♦®è, †å¼±æ€§ã♦«ã, ^ã, <ã♦œæ¢ã

ã, .ã, ¹ã, ³ã♦§ã♦—ã€♦IS-

ISã, ’®Ÿè£...ã♦™ã, <‰oã♦ã♦“ã€♦éš£æŽ¥é–çä, ã♦®ç¢ºç»‘i½^Helloãƒã, ±ãffãf^i½‰ã♦”ãƒªãƒ³ã, –ã, ¹ã
ISã, ”ãƒªã, ¢å†...ã♦®ãƒ«ãƒ¼ã, ¿ã♦®èª♦è „½ã, ’ç¢ºèª♦ã♦™ã, <ã♦”ã♦”ã, ’æŽ „å¥”ã♦—ã♦|ã♦„ã♦¾ã♦
ISã, ”ãƒªã, ¢å†...ã♦§ã·§ã!™ã»çº°å·¥ã♦•ã,Œã♦ŸIS-
ISãƒªãƒ³ã, –ã, ¹ãftãƒ¼ãƒ^PDUã, ’é€♦äçjã♦™ã, <èª♦è „½ã♦•ã,Œã♦Ÿæ”»æ’fè€...ã♦®ã♦¿ã♦Œã♦”ã♦®

ã♦•ã, %oã♦«ã€♦ãfžãƒ³ã, ¹ãf^ãffãf—ãf•ã, ©ãf—ãf¼ãf‡ã, £ãƒ³ã, °ã, „ãfžãƒ³ã, ¹ãf^ãffãf—
ãƒ«ãƒ¼ãf‡ã, £ãƒ³ã, °ã, ’æœ‰oš¹ã♦«ã♦™ã, <ã♦”ã♦”ã, „ã♦Šå<§ã, ã♦—ã♦¾ã♦™ã, ã,

å›žé♦¿ç-

ã♦”ã♦®è, †å¼±æ€§ã♦«å—¾å‡|ã♦™ã, <å›žé♦¿ç—ã♦—ã♦, ã, Šã♦¾ã♦»ã, ”ã€, ã♦Ÿã♦”ã♦—ã♦—ã♦—ã, ·ã, ¹ã,
ISèª♦è „½ã♦Œæœ‰oš¹ã♦«ã♦ªã♦£ã♦|ã♦, „ã, <ã♦”ã♦”ã, ’ç¢ºèª♦ã♦™ã, <ã♦”ã♦”ã♦§ã€♦ã♦”ã♦

router isis core
lsp-password hmac-md5 encrypted 13061E010803
interface TenGigE0/0/0/6
hello-password hmac-md5 encrypted 094F471A1A0A
!

IS-ISèª♦è „½ã♦®è©³ç’°ã♦«ã♦¤ã♦,,ã♦|ã♦—ã€♦ã€ŽCisco IOS

XRã,½ãf•ãf^ã,/ã,§ã,¢ã♦§ã♦®IS-ISã♦®å®ÿè£...ã€♦ã♦®ã€ŒIS-IS
è„♦è „½ã€♦ã♦®ç« ã,‘ã♦,ç...§ã♦—ã♦ |ã♦§ã♦ã♦ ã♦•ã♦,,ã€,

ä;®æ£æ,^ã♦¿ã,½ãf•ãf^ã,|ã,§ã,¢

ã,·ã,¹ã,³ã—ã♦“ã♦®ã,¢ãf‰oãf♦ã,¤ã,¶ãf^ã♦«è „~è½‰oã♦•ã,Œã♦ÿè,,†å½±æ€§ã♦«å—¾å‡|ã♦™ã,<ç„j
ãf♦ãf½ã,ãf§ãf³ã♦“ãf•ã,fãf½ãf♦ãf
ã,»ãffãf^ã♦«å—¾ã♦—ã♦ |ã♦®ã♦¿ã♦“ã♦“ã,§ã♦¾ã♦™ã€,ã♦§ã♦ã♦®ã,^ã♦†ã♦“ã,½ãf•ãf^ã,|ã,§ã,

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

ã♦¾ã♦ÿã€♦ã♦§ã®çæ§~ã♦Œã,½ãf•ãf^ã,|ã,§ã,¢ã,‘ãf€ã,|ãf^ãf½ãf‰oã♦§ã♦§ã♦ã,ã♦®ã♦—ã€♦ã;
ã,¢ãffãf—ã,°ãf—ãf½ãf‰oã♦§ã♦™ã€,ç,,jå,,ÿã♦®ã,»ã,ãf¥ãf^ãftã,£ ã,½ãf•ãf^ã,|ã,§ã,¢
ã,¢ãffãf—ãf‡ãf½ãf^ã♦“ã,^ã♦£ã♦!ã€♦ã♦§ã®çæ§~ã♦«æ—°ã♦—ã♦,,ã,½ãf•ãf^ã,|ã,§ã,¢
ãf©ã,¤ã,»ãf³ã,¹ã€♦è;½åŠ ã,½ãf•ãf^ã,|ã,§ã,¢ ãf•ã,fãf½ãf♦ãf
ã,»ãffãf^ã€♦ã♦¾ã♦ÿã♦—ãfjã,ãf£ãf½ãf^ã,ãf§ãf³
ã,¢ãffãf—ã,°ãf—ãf½ãf‰oã♦«å—¾ã♦™ã,æ “©é™♦ã♦Œä»~ã,žã♦•ã,Œã,ã♦“ã♦“ã♦—ã♦,ã,§ã♦¾ã♦

[ã,½ãf•ãf^ã,|ã,§ã,¢ã♦®ã,¢ãffãf—ã,°ãf—ãf½ãf‰oã♦’æ¤œè „žã♦™ã,<ç„j](#)«ã♦—ã€♦[ã,·ã,¹ã,³ã♦®ã,»ã,ãf

Security Advisories and Alerts

ãf§ãf½ã,ã♦§ã...¥æ‰oã♦§ã♦§ã,¤ã,·ã,¹ã,³è£½å“ã♦®ã,¢ãf‰oãf♦ã,¤ã,¶ãf^ã,’å®šæœÿçš,,ã♦«å♦,ç
ã,½ãf^ãf¥ãf½ã,·ãf§ãf³ã,’çÇ°è“ã♦—ã♦ |ã♦§ã♦ã♦ ã♦•ã♦,,ã€,

ã♦,,ã♦§ã,Œã♦®å ’å♦^ã,,ã€♦ã,¢ãffãf—ã,°ãf—ãf½ãf‰oã♦™ã,æf‡ãf♦ã,¤ã,¹ã♦«å♦§ã♦å^tã♦“ãfçc
Technical Assistance

Centeri½^TACi½‰oã,,ã♦—ã♦§ã♦ã♦—å¥'ç’,,ã♦—ã♦ |ã♦,,ã,ãfjãf³ãftãf§ãf³ã,¹ãf—ãfãf♦ã,¤ãf€ãf½ã♦

ã,µf½ãf“ã,¹ã¥‘ç’,ã,’ã♦“å^ç”“ã♦§ã♦§ã♦,,ã♦§ã®çæ§~

ã,·ã,¹ã,³ã♦<ç„jæž¥è¾å...¥ã♦—ã♦ÿã♦Œ Cisco Service Contract
ã,’ã♦“å^ç”“ã♦,,ã♦ÿã♦ã♦,ã♦ |ã♦,,ã♦§ã♦,,å ’å♦^ã€♦ã♦¾ã♦ÿã€♦ã,µãf½ãf‰oãf^ãf½ãftã,£ãf™
POS ã♦<ç„jæ‰oã♦§ã♦ã♦§ã♦,,å ’å♦^ã♦—ã€♦Cisco TAC
ã♦«é€çµ;ã♦—ã♦ |ã,¢ãffãf—ã,°ãf—ãf½ãf‰oã,’å...¥æ‰oã♦—ã♦ |ã♦§ã♦ã♦ ã♦•ã♦,,ã€,
<https://www.cisco.com/c/en/us/support/web/tsd-cisco-worldwide-contacts.html>

ç,,jå,,ÿã,¢ãffãf—ã,°ãf—ãf½ãf‰oã♦®å—¾è±jè£½å“ã♦§ã♦ã♦,ã,ã♦“ã♦“ã,‘è „¼æ~žã♦—ã♦ |ã♦,,ã♦ÿã♦
URL ã,’ã♦“ç”“æ,,ã♦§ã♦ã♦ ã♦•ã♦,,ã€,

ä;®æ£æ,^ã♦¿ãf^ãf½ã,¹

ç™oè;Œã♦®æ™,ç,¹ã♦§ã€♦ã♦“ã♦®è,,†å½±æ€§ã♦—ã€♦Cisco IOS XR ã,½ãf•ãf^ã,|ã,§ã,¢
ãf^ãf^ãf½ã,¹ 6.6.25 ã♦§ã,^ã♦§ã 6.6.3 ã♦§ã¿®æ£ã♦•ã,Œã♦ |ã♦,,ã♦¾ã♦™ã€,

IOS XR f^{a} f^{a} f^{a} $\text{f}^{1/4}$ a , ¹	SMU ID	Platform	SMU $\text{a}?$?
6.5.3	AA15778	ASR9000	asr9k-px-6.5.3.CSCvq45118 ¹
6.6.1	AA15881	NC56K	ncs6k-6.6.1 CSCvq45118

1 SMU à♦«ã♦~ã€♦cisco-sa-20190807-iosxr-isis-dos-1910 à♦~ cisco-sa-20190807-iosxr-isis-dos-1918
ã♦@ã,¢ãf%oãf♦ã,¤ã,¶ãfãã♦§è~æ~žã♦•ã,Œã♦|ã♦,ã,<è,†å¼±æ€§ã♦®ä¿®æ£ã♦Œå♦«ã♦¾ã,Œã♦|ã♦,,ã♦¾ã♦™ã€

SMU Cisco.com Software Center

á♦
ã,‰%æ¬jã♦®æ‰é†ã♦§ãf€ã, | ãƒ³ãfãf¹%ãf‰ã♦§ã♦ã♦ã³/ã♦™ã€,

ä ð æ £ å ^ © ç " " ä ° < ä ¾ < å ð " å ... - å ¼ ð ç ™ o è i "

Cisco Product Security Incident Response

å†°å...⁵

æœ—è,,†å¹é±æ€§ã—ã€◆ã,·ã,·1ã,³å†...éƒ”ã◆§ã◆®ã,»ã,ãƒ¥ãƒªãƒ†ã,£ãƒ†ã,¹ãƒ^ã◆«ã,^ã◆£ã◆|ç™øè|<ã◆·ã,Œã◆¾ã◆—ã◆Ýã€,

URL

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20190807-iosxr-isis-dos-1910>

æ”’è..,å±¥æ’

ãf♦ãf%4ã,ãf§ãf³	èª–æ˜Ž	ã,»ã,¬ã,·ãf§ãf³
1.1	SMU ã♦®å...¥æ‰¤çŠ¶æ³♦ã♦«é–çã♦™ã,æf...å ±ã,'è¿½åŠ	ä‡®æƒæ,^ã♦¿ã,½ãf•ãf^ã, ^
1.0	å^♦å›žå...¬é–<ãfºãfºãf%4ã, ¹	-

å^©ç”·è!♦ç „

æœ¬ã,¢ãf‰oãf♦ã,¤ã,¶ãfºã♦¬ç„¡ä¿♦è „½ã♦®ã,,ã♦®ã♦“ã♦—ã♦|ã♦"æ♦♦ä¾»ã♦—ã♦|ã♦Šã,Šã€æœ¬ã,çãf‰oãf♦ã,¤ã,¶ãfºã♦®æf...å ±ã♦Šã,^ã♦³ãfºãf³ã,—ã♦®ä½¿ç”“ã♦«é–çã♦™ã,«è²¬ä»»ã♦®ä,€ã♦¾ã♦Ýä€♦ã,·ã,¹ã,³ã♦¬æœ¬ãf‰oã,ãf¥ãfºãf³ã♦®å†...å®¹ã,'äº^åºŠã♦^ã—ã♦«å¤‰æ»'ã♦—ã♦æœ¬ã,¢ãf‰oãf♦ã,¤ã,¶ãfºã♦®è „~è¿ºå†...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♦Ýäº^åº^ã€♦å½"ç¤¾ã♦Œç®jç?ã♦“ã♦®ãf‰oã,ãf¥ãfºãf³ãfºã♦®æf...å ±ã♦~ã€♦ã,·ã,¹ã,³è£½å“♦ã♦®ã,“ãf³ãf‰oãfºãf%4ã,¶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。