

# Cisco IOS XR Software Intermediate System

ã «ã Šã 'ã, <ã, μãf¼ãf"ã, 1ã | "ã®³ã ®è,, tã¼±



ã, çãf%ãfã, ðã, ¶ãfãf¼ãf¼ID : cisco-sa-

[CVE-2019-1910](#)

20190807-iosxr-isis-dos-1910

â^ã...-é-æ—¥ : 2019-08-07 16:00

æœ€gæ>æ-°æ—¥ : 2019-08-20 15:38

ãfãf¼ã, ãfšãf³ 1.1 : Interim

CVSSã, 1ã, 3ã, ç : [7.4](#)

ã>žéç- : No workarounds available

Cisco ãfã, ° ID : [CSCvp49076](#)

æ—¥æœ-èªžã «ã, ^ã, <æf...ã ±ã -ã€è<±èªžã «ã, ^ã, <ãŽYæ-#ã ®éžã...-ã¼ã

æ!, è! ?

Cisco IOS XRã, ½ãfãf^ã, lã, šã, çã®Intermediate System-to-Intermediate System(IS-

IS)ãf«ãf¼ãftã, £ãf³ã, °ãf—ãfãf^ã, ³ãf«æ©Yèf½ã®ã®Yè£...ã «ã Šã 'ã, <è, tã¼±æ€šã «ã, ^ã, Šã€ã Šã, "ãfãã, çã «ã~ãœ"ã™ã, <èªè"¼ãã, Æã |ã, ãªã, æ"æ'fè€...ã Æã, μãf¼ãf"ã, 1ã | "ã®³(D

ã "ã®è, tã¼±æ€šã -ã€ã·šã |™ã «ç'°ã¥ãã, ÆãYIS-ISãfãf³ã, -ã, 1ãftãf¼ãf^ãf—ãf-ãf^ã, ³ãf«ãf#ãf¼ã, çãf!ãfãffãf(PDU)ã®ã, é©ã^#ãã#|çãtã «èμ·ãã—ã¼ã™ã€æ"æ'æ' PDU

ã, 'è²ã½"ã, ã, 1ãftãfã «é€ãžã—ã |ã#|çãtããã, ã, <ã "ã "ã «ã, ^ã, Šã€ãã "ã®è, tã¼± ISã, "ãfãã, çãt...ã®ã™ã¹ã |ã®ãf«ãf¼ã, çã SIS-

ISãf—ãfã, »ã, 1ã, 'ã^æœYã>ãšãtèμ·ããã>ã€ããã®çμæžœDoSçš¶æ...ã Æç™°ç"Yãã, ã, 1ã, 3ã -ã "ã®è, tã¼±æ€šã «ã³ã#|ã™ã, <ã, ½ãfãf^ã, |ã, šã, çã, çãffãf—ãftãf¼ãf^ã, 'ãfãfãf¼

ã "ã®ã, çãf%ãfã, ðã, ¶ãfã -ã€æ-ã®ãfãf³ã, -ã, ^ã, šççèªããšããã¼ã™ã€, <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20190807-iosxr-isis-dos-1910>

æ-ã®ãfãf³ã, -ãšé-çé€ã, çãf%ãfã, ðã, ¶ãfã, 'ççèªããšããã¼ã™ã€, <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20190807-iosxr-isis-dos-1918>

è²ã½"è£½ã"

è,,†â¼±æ€šã®ã,ã,«è½â”

ã”ã®è,,†â¼±æ€šã¬ã€ãfãfãf¼ã,16.6.3ã,^ã,Šã%ã®Cisco IOS  
XRã,½ãfãf^ã,|ã,šã,čã®è,,†â¼±æ€šãĀã”ã™ã,ãfãfãf¼ã,1ã,ã®ÿè;Āã—ã€IS-  
ISãf«ãf¼ãfã,£ãfã,°ãf—ãfãf^ã,³ãf«ãĀã”ã®šã•ã,Āã|ã,,ã,ã,ã,1ã,³ãfãfã,ã,ã,1ã«ã½±éÿ

ã,ã,1ã,³ãšã¬ã€ã”ã®è,,†â¼±æ€šãĀ Cisco IOS XR 32 ãfãfãf^  
ã,½ãfãf^ã,|ã,šã,čã” Cisco IOS XR 64 ãfãfãf^  
ã,½ãfãf^ã,|ã,šã,čã®ã,æ-1ã«ã½±éÿã,ã,žãžã^ã,ã”ã”ã,çç°èãã—ã¾ã—ãÿã€,

ãfãfã,ã,1ã®è”ã®šã«è,,†â¼±æ€šãĀã,ã,ããĀã†ãã®çç°èã

ãfãfã,ã,1ãSIS-  
ISãf«ãf¼ãfã,£ãfã,°ãĀã”ã®šã•ã,Āã|ã,,ã,ããĀã†ãã,çç°èãã™ã,ãã«ã¬ã€  
**running-config router isis EXECã,³ãfžãfãf%ã, 'ã½ç”ã—ã¾ã™ã€ãfãf¼ã,ã«IS-  
ISãf«ãf¼ãfã,£ãfã,°ãĀã”ã®šã•ã,Āã|ã,,ã,ãã”ã¬ã€ã±°ãšãĀãĀè”ã•ã,Āã¾ã  
IS-ISãf«ãf¼ã,ã”ã—ã|è”ã®šã•ã,Āã|ã,,ã,ããfãfã,ã,ã,1ãšã®show running-  
config router isisã,³ãfžãfãf%ã®ã±°ãšã,çç°ã—ã|ã,,ã¾ã™ã€,**

ãfãfã,ã,1ãĀis-type level-1ã€level-1-2ã€ã¾ãÿã¬level-2-  
onlyã®ã,,ãšã,Āãã«è”ã®šã•ã,Āã|ã,,ã,ãã”ã¬ã€ã”ã®ã•é;Āã«è©²ã

```
<#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®ã±°ãšãã¬ã€2  
ãã®èš£æžÿé-čã,ãĀã«ã¾ã,Āã|ã,,ã¾ã™ã€,ãfãfã,ã,ã,1ã,ã,æ£ã^ç”ã™  
ISéš£æžÿé-čã,ãĀã½çæ^ã•ã,Āã|ã,,ã,ããž...è|ãĀã,ã,šã¾ã™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,,†â¼±æ€§ã,'ã«ã,"ãšã,,ãªã,,ã"ã"ã Ççç°èªã•ã,Œãÿè½ã"

ã"ã@ã,çãf%ãfã,ãã,¶ã,¶ããã@è,,†â¼±æ€§ã@ã,ã,è½ã"ã,»ã,ã,ãfšãf³ã«è"~è¼%ã•ã

è©³ç°

ä,æ£å^©ç""ãÇç™ç°ÿã—ãÿã'å^ã-ã€ã,,ãfªã,çãt...ã@ã™ã¹ã|ã@IS-  
ISãf«ãf¼ã,¿ã<ã,%ç'æãã—ãÿãfªãf³ã,ã,¹ãftãf¼ãf^PDUã,'ã%šé™ãã™ã,<ã"ã"ãšã€  
ISãf-ãf™ãf«ã@ãf«ãf¼ã,¿ã,'ã>žã¾ããšããã¾ã™ã€,ã"ã@è,,†â¼±æ€§ãã«ã,^ã,<ãœæçã

ã,ã,¹ã,³ãšã-ã€IS-  
ISã,'ã@ÿè£...ã™ã,<ã%ãã«ã€és£æžÿé-çã¿ã,ãççç«i¼^Helloãfã,±ãffãf^i¼%ã"ãfªãf³ã,ã,¹ã  
ISã,,ãfªã,çãt...ã@ãf«ãf¼ã,¿ã@èªè"¼ã,'çç°èªãã™ã,<ã"ã"ã,,æž"ãÿ"ã—ã|ã,,ã¾ã  
ISã,,ãfªã,çãt...ãšãšã|™ã«ç'ã·ÿã•ã,ŒãÿIS-  
ISãfªãf³ã,ã,¹ãftãf¼ãf^PDUã,'éã¿ãã™ã,<èªè"¼ã•ã,Œãÿã»æ'fè£...ã@ã¿ãŒã"ã@

ã•ã,%ãã«ã€ãfžãf³ã,¹ãf^ãffãf—ãf•ã,©ãf-ãf¼ãf†ã,£ãf³ã,°ã,,ãfžãf³ã,¹ãf^ãffãf—  
ãf«ãf¼ããftã,£ããf³ã,°ã,'æœ%ããš¹ãã«ã™ã,<ã"ã"ã,,ãšãšãšã,ãã—ã¾ã™ã€,

ã>žéç-

ã"ã@è,,†â¼±æ€§ãã¾ã†|ã™ãã,<ã>žéç-ã-ã,ã,šã¾ãã>ã,"ã€,ãÿãã—ã€ã,ã,¹ã,  
ISèªè"¼ãŒæœ%ããš¹ãã«ãªã£ã|ã,,ã,<ã"ã"ã,'çç°èªãã™ã,<ã"ã"ãšã€ãã"ã

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

IS-ISèªè"¼ã@è©³ç°ãã«ããã,,ã|ã-ã€ã€žCisco IOS





ãfãf¼ã,ãfšãf³	èª-æ~Ž	ã,»ã,ã,ãfšãf³
1.1	SMU ã®ã...¥æ%ø<çš¶æ³ã«é-čã™ã,<æf...ã ±ã,'è¿½ãš	ä¿®æ£æ,^ã¿ã,½ãf•ãf^ã,
1.0	ã^ã>žã...-é-<ãfªãfªãf¼ã,¹	-

## ã^©ç””è!ç´,,

æœªã,çãf%ãfã,ã,ã,¶ã,¶ãfãç,;ä¿è”¼ã®ã,,ã®ã”ã—ã|ã”æãã¼ã—ã|ãšã,šãæœªã,çãf%ãfã,ã,ã,¶ãfã®æf...ã ±ãšã,^ã³ãfªãfªã,ã®ã½¿ç””ã«é-čã™ã,<è²-ã»ã®ã,€ã¼ãÿã€ã,ã,¹ã,³ãæœªãf%ã,ãfãf;ãfªãfªã®ãt...ã®¹ã,'ã^ãšãªã—ã«ã%ææ’ã—ãæœªã,çãf%ãfã,ã,ã,¶ãfã®è”~è¿ãt...ã®¹ã«é-čã—ã|æf...ã ±é...ã¿ã® URLã,'çœç•¥ã—ã€ããç<-ã®è»çè¼%ã,,æ,,è”³ã,'æ-½ã—ãÿã’ã^ã€ã½”ç¼ãç®ççã”ã®ãf%ã,ãfãf;ãfªãfªã®æf...ã ±ãæã,ã,ã,¹ã,³è£½ã”ã®ã,ãfªãf%ãf|ãf¼ã,¶ã,ã³¼è±;

## 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。