

Cisco IOS $\frac{1}{2}$ af·af^ã, |ã, §ã, çã® Common Industrial Protocol

ã«ãŠã'ã, <è«±æ°ã®è,, †ã¼±æ€§



ã, çãf%ãfã, mã, ¶ãfãf¼ID : cisco-sa-20150325-cip

[CVE-2015-0648](#)

â^ã...-é-«æ—¥ : 2015-03-25 16:00

[CVE-2015-0649](#)

æœ€œ>æ-°æ—¥ : 2016-01-14 17:20

[CVE-2015-0647](#)

ãfãf¼ã, ãfšãf³ 1.1 : Final

CVSSã, †ã,³ã,ç : 7.8

ãžéç- : No workarounds available

Cisco ãfã,° ID : [CSCun49658](#) [CSCun63514](#) [CSCun98371](#)

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

æ!, è!

Cisco IOS $\frac{1}{2}$ af·af^ã, |ã, §ã, çã® Common Industrial

Protocoli¼^CIPi¼%œ©ÿèf½ã®ã®ÿè£...ã«ã-ã€ã·sã |™ã«ç°ã·¥ã·ã, Çãÿ CIP

ãfã, ±ãffãf^ã, †ã | ç†ã™ã, <és>ã«ã»¥ã, ã®è,, †ã¼±æ€§ãÇã, ã, Šã€èè¼ã·ã, Çã |ã,

- Cisco IOS $\frac{1}{2}$ af·af^ã, |ã, §ã, çã® UDP CIP ã®ã, mãf¼ãf"ã, †ã | °ã³i¼^DoSi¼%œè,, †ã¼±æ€§
- Cisco IOS $\frac{1}{2}$ af·af^ã, |ã, §ã, çã® TCP CIP ãfã, ±ãffãf^ãfãfçãfãfãf¼ã, -ã«é-çã™ã, <è,, †ã¼±æ€§
- Cisco IOS $\frac{1}{2}$ af·af^ã, |ã, §ã, çã® TCP CIP ã®ã, mãf¼ãf"ã, †ã | °ã³i¼^DoSi¼%œè,, †ã¼±æ€§

ã"ã, Çã, %ã®è,, †ã¼±æ€§ã-ã'ã,,ã«ç<-ç«ã-ã |ã,,ã¾ã™ã€ã,ã,ãšã, Çã<ã®è,

ã"ã, Çã, %ã®è,, †ã¼±æ€§ã®ã, æ£ã^©ç"ã Çæ^ãšÿã™ã, <ã"ãèè¼ã·ã, Çã |ã
ãf-ãf-ãf¼ãf³ã®ãfãfãf¼ãf%œã, †ã¼ãèµã"ã-ã€ãã®çµæžœã€è²ã½"ãfãfçš¶æ...<ãÇç¶šãããèf½æ€§ãÇã, ã, Šã¾ã™ã€,

ã·ã, %ã«ã€Cisco IOS $\frac{1}{2}$ af·af^ã, |ã, §ã, çã® TCP CIP ãfã, ±ãffãf^ãfãfçãfãfãf¼ã, -ã«é-çã™ã, <è,, †ã¼±æ€§ã®ã, æ£ã^©ç"ã Çæ^ãšÿã™ã, <ã"ãèè¼ã·ã,

ãfãf¼ã, -ã«é-çã™ã, <è,, †ã¼±æ€§ã®ã, æ£ã^©ç"ã Çæ^ãšÿã™ã, <ã"ãèè¼ã·ã,

è"è"¼ã•ã,CEã |ã,,ãªã,,ãfªfçãf¼ãf^æ"»æ'fè€...ã-ã€CIP
ã€CE"ã®šã•ã,CEãYè©²ã½"ãfªãfã,ªã,¹ã® TCPãfãf¼ãf^ 44818
ã«ãªšæ°ã®ãšã |™ã«ç°ã·¥ã—ãY IPv4
ãfã,±ãffãf^ã,'é€ã¿ã™ã,ã"ã"ãšã€ãã"ã®è,,tã¼±æ€Sã,'ä,æ£ã^©ç"ã™ã,ã-èf

ã"ã®è,,tã¼±æ€Sã,'ä,æ£ã^©ç"ã™ã,ã«ã-ã€TCPã,¹ãfªãf¼ã,ã,šã,ª
ãfãf³ãf%ã,ã,šã,ªã,-ã€æ£ã,,ã«çç°ç«ã•ã,CEã |ã,,ã,ã"ã"ã€ã€ãšã™ã€,

ãfªf©ãf•ã,£ãffã,-ã¿çãtã,'è;CEãtã,ªãf³ã,¿ãf¼ãf•ã,šã,ªã,¹ãš CIP
ã€æœ%ãš¹ã€-ã•ã,CEã |ã,,ã,ã'ã^ã€Cisco IOS
ã,½ãf•ãf^ã,ã,šã,çã€æã½±éY¿ã,'ã—ã'ã,ã-èf½æ€Sã€CEã,ã,šã¾ã™ã€,Cisco
IOSã,½ãf•ãf^ã,ã,šã,çãšã-ãfªãf•ã,©ãf«ãf^ãšã€CIP
ã-æœ%ãš¹ã€-ã•ã,CEã |ã,,ã¾ã>ã,"ã€,

ã,ªãf³ã,¿ãf¼ãf•ã,šã,ªã,¹ãš CIP
ã€æœ%ãš¹ã«ãªã£ã |ã,,ã,ã<ã<ã©ãtã<ã,'çç°èªã™ã,ã«ã-ã€
**show running-config | include cipç°ª"©EXECã,³ãfžãf³ãf%ãã,'ã½¿ç"ã—ã¾ã™ã€,ã€æ cip
enableã€ã"ã,,ãtæ-ã-ã-ã-ã€æ show running-config | include
cipã,³ãfžãf³ãf%ã-ã€CIPã€æœ%ãš¹ãšã,ã,ã"ã"ã,'çª°ã—ã¾ã™ã€,**

ã»¥ã,ã«ã€ **show running-config | include**
**cipã,³ãfžãf³ãf%ãã,'ã€CIPæ©Yèf½ã€æœ%ãš¹ã«ãªã£ã |ã,,ã,<Cisco
IOSã,½ãf•ãf^ã,ã,šã,çã,'ã®Yè;CEã—ã |ã,,ã,<ãfªãfã,ªã,¹ãšã®Yè;CEã—ãYã'ã^ã®ãt**

```
Switch# show running-config | include cip
cip security password <output omitted>
cip enable
```

**Cisco IOSã,½ãf•ãf^ã,ã,šã,çã® TCP CIP
ã®ã,ªãf¼ãf"ã,¹ã |ã®³i¼^DoSi¼%è,,tã¼±æ€S**

Cisco IOSã,½ãf•ãf^ã,ã,šã,çã«ã-ã€è©²ã½"ãfªãfã,ªã,¹ãš CIP
ã€CE"ã®šã•ã,CEã |ã,,ã,ã'ã^ã«ã€TCP
çµ€ç"±ã®ãšã |™ã«ç°ã·¥ã•ã,CEãY CIP

[CVE-2015-0647](#)
[Cisco IOS 15.2\(4\)M3 Common Industrial Protocol TCP CIP](#)

Cisco IOS 15.2(4)M3 Common Industrial Protocol TCP CIP

Cisco IOS 15.2(4)M3 Common Industrial Protocol TCP CIP

Cisco IOS 15.2(4)M3 Common Industrial Protocol TCP CIP

Cisco IOS 15.2(4)M3 Common Industrial Protocol TCP CIP

Cisco Bug ID [CSCun49658](#)
[CVE ID CVE-2015-0648](#)
[Cisco IOS 15.2\(4\)M3 Common Industrial Protocol TCP CIP](#)

Cisco IOS 15.2(4)M3 Common Industrial Protocol TCP CIP

Cisco IOS 15.2(4)M3 Common Industrial Protocol TCP CIP

Cisco IOS 15.2(4)M3 Common Industrial Protocol TCP CIP

ã"ã@è,,†¼±æ€šã@ä,æ£â^ç""ãĈã-èf½ãªã@ã-ã€èè²â½"ăfăfă,ă,ă,¹ã@
TCP äfä½äf^ 44818 â@>ã@ IPv4 äfä,±ăffăf^ã@ã;ãšã™ă€,UDP
ăfä,±ăffăf^ã€èè²â½"ăfăfă,ă,ă,¹ã,é€šéŽă™ă,ăfä,±ăffăf^ã€ă¾ăŸă- IPv6
ăfä,±ăffăf^ãšã€ă"ã@è,,†¼±æ€šãĈã^ç""ã•ă,Ĉă,ă"ã"ã-ă,ă,šă¾ă>ă,"ă€,

æœ-è,,†¼±æ€šã-ã€Cisco Bug ID [CSCun63514i¼^](#)
[ç™»éĈ²ăfăfă,¶ă°,ç""¼%ã-ã-ã-!æ-†æ>âĈ-ă-ă,Ĉă€Ĉ CVE ID CVE-2015-0649](#)
[ăĈĈă%²ă,šă½"ă-!ă,%ã,Ĉă-!ă,,ă¾ă™ă€,](#)

ă>žéç-

ã"ă,Ĉă,%ã@è,,†¼±æ€šã,è»½æ>ă™ă,ă>žéç-ã-ă,ă,šă¾ă>ă,"ă€,

ăfăffăf^ăfăfă,â†...ă@ă,ă,¹ă,³
ăfăfă,ă,ă,¹ă«éç""â-èf½ãªă»-ã@â¾ăœç-ă-ă€ă"ă@ă,Ĉăf%ăăfă,ă,ă,¶ăfă@
Applied Mitigation
Bulletină€ă,ă,ç...šă-ã-!ăăăăăă•ă,,ă€,,ă»Ÿă,ă@ăfăăfă,ă-ă<ă,%ãâ...Ÿæ%ãăšă

<https://sec.cloudapps.cisco.com/security/center/viewAMBAAlert.x?alertId=37513>

ăĈ@æ£æ,^ăçă,½ăfăf^ă,|ă,šă,Ĉ

ă,½ăfăf^ă,ă,šă,Ĉă@ă,Ĉăffăf-ă,°ăf-ăfăfă%ã™ă,ă'ă^ă-ă€
<http://www.cisco.com/go/psirt> @ Cisco Security Advisories, Responses, and Alerts
ă,Ĉăfăă,ă,ăăfă-ă,,ă€ă¾Ĉ¶šă@ă,Ĉăf%ăăfă,ă,ă,¶ăfă,ă,ç...šă-ã-!ă¾ăµă³ă@ă-èf½æ
[ă,½ăfăfăŸăfă,ăfšăfă,çĈ°è^ă-ã-!ăăăăăă•ă,,ă€,](#)

ă,,ăšă,Ĉă@ă'ă^ă,,ă€ă,Ĉăffăf-ă,°ăf-ăfăfă%ã™ă,ăfăfă,ă,ă,¹ă«ăăă^ăăfăfăă
Technical Assistance
Centeri¼^TACi¼%ã,,ă-ãăăă-ăŸç',ă-ã-!ă,,ă,ăfăfăfăšăfă,¹ăf-ăfăfă,ăăfăfăă

Cisco IOS ä,½ăfăf^ă,ă,šă,Ĉ

ă,ă,¹ă,ăšă-ã€ăšă@Ĉăš~ăĈ Cisco IOS
ă,½ăfăf^ă,ă,šă,Ĉă@è,,†¼±æ€šã«ă•ă,%ãă•ă,Ĉă-!ă,,ă,ă<ăăĈă†ăă,ă^æ-ă™ă,
[IOS Software Checker](#) ä«ă,šă€æ-;ă@ă,ă,¹ă,ă,ă@Ÿè;Ĉăšăăă¾ă™ă€,

- ăf%ăăfăfăfăfă-ăfăă,ăfă³

af;af<af¥af¼ã<ã,%oãfãfãf¼ã,1ã,'é,æŠžã™ã,<ã<ã€ãfãf¼ã,«ãf«

ã,ã,1ãftãfã<ã,%oãfã,ã,ããfãã,'ã,ããffãf—ãfãf¼ãf%oã™ã,<ã“ã”ã«ã,^ã£ã!ã€ãæœ

• show version ã,³ãfžãf³ãf%ã®ã#°ãŠã,'ãf,,ãf¼ããf«ãšèš£æžã™ã,<

ã,«ã,1ã,¿ãfžã,ãã,°ã—ãÿæœç'ç¼^éŽãŽ»ã«ã...-é-<ã•ã,£ãÿã™ã¹ã!ã®ã,ã,1ã,³

ã,»ã,ãf¥ãfãftã,£

ã,ãf%oãfã,ãã,¶ãfãã,'æœç'çã³±ã«ã...¥ã,£ãÿã,Šã€ç%o¹ã®šã®è³æ-™ã®ã¿ã

ã“ã®ãf,,ãf¼ããf«ã,'ã½¿ãtã“ã”ãšã€ãããã®ã,½ãfãf^ã,|ã,šã,ç

ãfããfãf¼ã,1ã«é-é£ã™ã,<ã™ã¹ã!ã®ã,ã,1ã,³ã,»ã,ãf¥ãfãftã,£

ã,ãf%oããfã,ãã,¶ãfãã,'æœç'çãšãããã€ãããã,£ãÿãžã,£ã®ã,ãf%oããfã,ãã,¶ãfããšè”€ã

Fixed"i¼%oã,'ç%o¹ã®šãšããã¾ã™ã€,ã¾ãÿè©²ã½”ã™ã,<ã'ã^ã€ã™ã¹ã!ã®ã

First Fixed"i¼%oã,'ç%o¹ã®šãšãã¾ã™ã€,Cisco IOS Software Checker

ã.'ãç...šã™ã,<ã<ã€ãæ-¿ã®ãfãã,£ãf¼ããfãf%oã«Cisco IOSã,½ãfãf^ã,|ã,šã,ç

ãfããfãf¼ã,1ã,'ã...¥ãŠã—ã!ã€ãã,,ãšã,£ãÿã<ã®ã...-é-<ã•ã,£ãÿãÿ Cisco IOS

ã,½ãfãf^ã,|ã,šã,ç

ã,ãf%oããfã,ãã,¶ãfãã«è©²ã½”ã™ã,<ã<ã©ãtããã,'ã^æ-ãšãã¾ã™ã€,

(ã¾ã¼i¼š15.1(4)M2)ã€,

Cisco IOSã,½ãfãf^ã,|ã,šã,çãfããfãf¼ã,1ããfããfãf¼ã,1ãã,ã®Cisco IOS XEã,½ãfãf^ã,|ã,šã,ç

ãfããfãf¼ã,1ã®ãfžãffãf"ãfãã,°ã«ãããã,,ãã!ããã€ã€Cisco IOS XE 2 Release

Notesã€ãã€ã€Cisco IOS XE 3S Release Notesã€ãã€ãŠã,^ã³ã€Cisco IOS XE 3SG

Release Notesã€ãã,ãã,ç...šã—ãã!ãããããããã,,ã€,

ã,æ£ã^©ç”ã°ã¾ãã”ã...-ã¼ç™°è;”

Cisco Product Security Incident Response

Teami¼^PSIRTi¼%oãšããã€ãæœ-ã,ãf%oããfã,ãã,¶ãfãã«è”è¼%oããã,£ãÿã!ãã,,ã,«è,,tã¼±æ£

æœ-è³æ-™ã®ã™ã¹ã!ã®ãè,,tã¼±æ£šãããtã...éf”è²æÿ»ãã«ç™°è!ããã,£ã¾ã—ã

URL

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20150325-cip>

æ”¹è”,ã±¥æ’

ãfãf¼ã,ãfšãf³	èª-æŽ	ã,»ã,ã,ãfšãf³	ã,¹ãf†ãf¼ã,žã,
1.1	éŽăŽ»ã«ã...-é-ã•ã,ĈãŸã™ã¹ã ã® Cisco IOSã,½ãf•ãf^ã, ã,šã,çã,»ã,ãf¥ãfãftã,£ ã,çãf%ããã,ãã,¶ã,¶ãfãã,ç...šã¼šãšããã,« Cisco IOS Checker ã,½ãf•ãf^ã, ã,šã,çã® Checker ãf•ã,©ãf¼ããã,æ>æ-°ã—ã¾ã—ãŸã€,		
1.0	å^å>žã...-é-ãfãfãf¼ã,¹		

å^©ç”è!ç´,,

æœ-ã,çãf%ããã,ãã,¶ã,¶ãfããç,;àçè¼ã®ã,,ã®ããã—ã|ã”æãã¾ã—ã|ãšã,šã€
 æœ-ã,çãf%ãããã,ãã,¶ã,¶ãfãã®æf...å±ãšã,^ã³ãfããfãã,ã®ã½çç”ã«é-çã™ã,è²-ã»ã®ã,€
 ã¾ãŸã€ã,ã,¹ã,³ã-æœ-ãf%ããã,ãf¥ãf;ãf³ãf^ã®å†...ã®¹ã,ã^ãšããã—ã«ã%ãæ>ã—ã
 æœ-ã,çãf%ãããã,ãã,¶ã,¶ãfãã®è”èç°å†...ã®¹ã«é-çã—ã|æf...å±é...ãçjã® URL
 ã,çœç•¥ã—ã€åãç<ã®è»çè¼%ã,,æ,,è”³ã,æ-½ã—ãŸã^ãã€å½”ç¾ãçĈççç
 ã”ã®ãf%ããã,ãf¥ãf;ãf³ãf^ã®æf...å±ã-ã€ã,ã,¹ã,³è£½ã”ã®ã,ãf³ãf%ããã|ãf¼ã,¶ã,ã¾è±;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。