

Cisco Meeting Server TURN Server Unauthorized Access and Information Disclosure Vulnerability



ã,çäf‰ãf♦ã,¤ã,¶ãfããf%ID : cisco-sa-

[CVE-2017-12249](#)

20170913-cmsturn

å^♦å...-é-æ-¥ : 2017-09-13 16:00

ãf♦ãf%4ã,ãf§ãf³ 1.0 : Final

CVSSã,¹ã,³ã,c : [9.1](#)

å›žé♦¿ç- : No workarounds available

Cisco ãf♦ã,° ID : [CSCvf51127](#)

æ—¥æœ¬è³žã♦«ã, ^ã, <æf...å ±ã♦¬ã€♦è<±è³žã♦«ã, ^ã, <åŽÝæ-‡ã♦®é♦žå...¬å¼♦ã

æ!,è!?

Cisco Meeting Serveri¼^CMSi¼‰ã♦«çµ,,ã♦¿è³¼ã♦¾ã,Œã♦Ý Traversal Using Relay

NATi¼^TURNi¼‰ã,µãf¼ãf♦ã♦®è,,†å¼±æ€§ã♦«ã, ^ã, Šã€♦è³¼ã♦•ã,Œã♦Ýãfãfçãf¼ãf^æ"»æ'f

ã♦“ã♦®è,,†å¼±æ€§ã♦¬ TURN

ã,µãf¼ãf♦ã♦®ä,♦é♦®å^‡ã♦ªãftäf•ã,©ãf«ãf^è³¼ã♦¾ã,Œã♦Ý CMS ã,µãf¼ãf"ã,¹ã♦«ã, ^ã♦£ã♦ |ã♦¬ã€♦æ"»æ'fè€...ã♦¬ TURN

ã,µãf¼ãf♦ã,'ä½¿ç"³ã♦—ã♦ | è³¼ã♦¾ã♦æ'fè€...ã♦¬ Call Bridgeã♦Web

ãf-ãf¤ãffã,ã€♦ã♦¾ã♦Ýã♦¬ãf#ãf¼ã,¿ãf™ãf¼ã,¹

ã,¬ãf©ã,¹ã,¿ã♦«ã,♦æ£ã♦³æŽ¥ç¶šã,'å®Ýè¡Œã♦™ã,ã♦“ã♦³ã♦«ã, ^ã, Šã€♦ã♦“ã♦®è,,†å¼±æ€§ã, ^ã,

Call Bridge ã♦¾ã♦Ýã♦¬ãf#ãf¼ã,¿ãf™ãf¼ã,¹

ã,¬ãf©ã,¹ã,¿ã♦«è³¼ã♦æ'fè€...ã♦—ã♦®ã,çã,¬ã,»ã,¹ã, 'è¡Œã♦†ã♦<ã€♦ã♦¾ã♦Ýã♦¬è³¼ã♦æ'fè€...è!♦ã♦Œã♦,ã,Šã♦¾ã♦™ã€,

ã, .ã,¹ã,³ã♦¬ã♦“ã♦®è,,†å¼±æ€§ã♦«å³¼å†!ã♦™ã, ¢ã, ½ãf•ãf^ã, |ã, Šã, çã, ¢ãffãf—ãf#ãf¼ãf^ã, 'ãf¤ãf¤ãf|

ã♦“ã♦®ã,çãf‰ãf♦ã,¤ã,¶ãfããf%ID : cisco-sa-, ^ã♦æ-¡ã♦®ãf¤ãf³ã, ^ã, ^ã, Šçç°è³¼ã♦§ã♦§ã♦¾ã♦™ã€,

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20170913-cmsturn>

è©²å¹/₂“è£¹/₂å“?

è,,†å¼±æ€§ã®ã,ã,<è£¹/₂å“?

ã“ã®è,,†å¼±æ€§ã®ã,ã,<è£¹/₂å“?

Serveri¼^CMSi¼%oå°žå...¥ç°åçfãŒäfãäf¼ã, 2.0.16ã€ 2.1.11ã€ã¾ã®Ýã® 2.2.6

ã,^ã,Šå%oã®ãfãäf¼ã, 1ã® CMS

ã,½äf•äf^ã, |ã,§ã,çã,’å®Ýè;Œä—ã |ã „ã |ã€ä»¥ä,ã®ã™ã®1ã |ã®è;½åŠ æ®jä»¶ã

- å°žå...¥ç°åçfãŒ CMS ã«çµ,,ã®è;½åŠã¾ã®,Œã®Ý TURN
ã,µäf¼äfã, ’ä½ç”“ã—ã |ã „ã,ã,
- TURNã,µf¼äfã®Transport Layer Security(TLS)æž¥ç¶šã,’ä½ç”“ã—ã¾ã®ã™ã€,ãfjã,¤äf³äfoeäf¼äf%oç®jç®täf—äfã,»äffã,µ
- TURN ã,µf¼äfã®ãŒ ä»—ã®å...±å CMS
ã,µäf¼äf”ã, 1ã “åŒä~ä»®æf³äfžã,·äf³ã®Ýè;Œä•ã,Œä |ã „ã,ã,
- TURN ã,µf¼äfã®ãŒ Call Bridgeã€ Web ãf—äfäffã,ã€ä¾ã®Ýã® CMS
å°žå...¥ç°åçfåt...ã®äf‡äf¼ã,¿äf™äf¼ã, 1
ã,~äf@ã, 1ã,¿ã®«å®ä¾ã,Œä,äf‡äf¼ã,¿äf™äf¼ã,
äfžäf¼äf%oã®“åŒä~ä»®æf³äfžã,·äf³ã,Šã®Ýè;Œä•ã,Œä |ã „ã,ã,

ç®jç®tè€...ã® CLI ã® version

ã,³äfžäf³äf%oã,’ä½ç”“ã—ã |ã€äf‡äfã,¤ã, 1ã®Ýè;Œä•ã,Œä |ã „ã,< CMS

ã,½äf•äf^ã, |ã,§ã,çäfãäf¼ã, 1ã,’å^¤å~¥ä,§ã®ã¾ã®ã™ã€,æ¬|ã®«ã€ CMS

ã,½äf•äf^ã, |ã,§ã,çäfãäf¼ã, 2.0.6

ã,’å®Ýè;Œä—ã |ã „ã,äf‡äfã,¤ã, 1ã®ã, ³äfžäf³äf%oå‡oåŠ>ä¾ã,’ç¤ºã—ã¾ã®ã™ã€,

<#root>

system>

version

2_0_6

TURN ã,µf¼äfã®ã®§ TLS

ã,’å®Ýè;Œä®ã™ã,ã,^ã®tä®«è”å®šã®ã™ã,ã®«ã®—ã®ã™ã,ã,^ã®äf³äf•ã,£ã,®ãf¥äf—äf¼ã,·äf§äf³ã®«

turn tls ã,³äfžäf³äf%oã®“ turn certs

ã,³äfžäf³äf%oã®Œä~åœ”ã—ã |ã „ã,ã,å...è|®ã®Œä,ã,Šã®¾ã®ã™ã€,TURN

ã,µf¼äfã®ã® MMP TLS è”å®šã®—ã€ç®jç®tè€...ã®Œ MMP ã,³äf³ã,½äf¼äf«ã®§ turn

ã,³äfžäf³äf%oã,’ç™oè;Œä

◆™ã,ã“ã”ã«ã,^ã,ŠçÇºèª♦ã♦§ã♦ã♦¾ã♦™ã€,

æ¬;ã«ã€♦TURN ã,µãf¼ãf♦ã« TLS
ã♦Œè “å®šã♦•ã,Œã? |ã? „ã?^ã? „ã,·ã,¹ãftãf ã♦§ã♦® turn
ã,³ãfžãf³ãf%oã♦®å‡ºåŠ›ã¾ã? ’ç¤ºã?—ã?¾ã♦™ã€,

<#root>

cms>

turn

```
Enabled      : true
Username     : cisco
Password     : 1234
Realm        : nicedet.com
Public IP    : none
Relay address : 1.2.3.4
Listen interface a
```

æ¬;ã«ã€♦TURN ã,µãf¼ãf♦ã« TLS ã♦Œè “å®šã♦•ã,Œã? Ÿã,·ã,¹ãftãf ã♦§ã♦® turn
ã,³ãfžãf³ãf%oã♦®å‡ºåŠ›ã¾ã? ’ç¤ºã?—ã?¾ã♦™ã€,

<#root>

cms>

turn

```
Enabled      : true
Username     : cisco
Password     : 1234
Realm        : nicedet.com
Public IP    : none
Relay address : 1.2.3.4
```

TLS port : 3479

TLS cert : turn.crt

TLS key : turn.key

TLS bundle : none

Listen interface a

è,†å¼±æ€§ã,’å♦«ã,“ã?§ã?„ã?^ã?„ã?“ã?“ã?ŒçÇºèª♦ã?•ã,Œã? Ÿèf½å”♦

ã»—ã?®ã,·ã,¹ã,³èf½å”♦ã?«ã?Šã?„ã? |ã?‰ã?“ã?®ã,çãf%oãf♦ã,¤ã,¶ãfã?®å½±éŸ¿ã,’å?—ã?

- å°Žå...¥ç’°å¢fã◆§ TURN ã,µãf¼ãf◆ã,’ä½¿ç”“ã◆—ã◆|ã◆,,ã◆ªã◆,,ã€,
 - å°Žå...¥ç’°å¢fã◆§ã,µãf¼ãf‰oãf¼ãf†ã,£ã◆® TURN
ã,µãf¼ãf◆ã,’ä½¿ç”“ã◆—ã◆|ã◆,,ã,ã€,
 - TURN ã,µf¼ãf◆ã◆Œä»—ã◆®ã,µãf¼ãf”ã,¹ã◆“å...±å~ã◆—ã◆ªã◆,,å°,ç”“ CMS
ä,šã◆§å®ŸèjŒã◆•ã,Œã◆|ã◆,,ã,ã€,
 - TURN ã,µf¼ãf◆ã◆§ TLS è“å®šã◆Œç„¡åŠ1ã◆«ã◆•ã,Œã◆|ã◆,,ã,ã€,

è©³çº

Cisco Meeting

„CMS TURN”

TURN α , β , $f^{1/4}$, \tilde{f} , \diamond , \heartsuit , \clubsuit , CMS Call Bridge

ã»“å♦Œä♦~ä»®æƒäfžä,·äfžä,Šä♦§å®Ýè;Œä♦•ä,Œä♦|ä♦„ä,«i¼^å...±å~ä♦—ä♦|ä♦„ä,i¼%oå`å♦CMS ä,äf•äf^ä,|ä,§ä,çä♦® Web
ç®¡ç♦†ä,¤äfžä,çäf¼äf•ä,§ä,¤ä,¹ä♦«ä,¤ä,~ä,»ä,¹ä♦™ä,<å♦~èf½æ€§ä♦Œä♦,ä,§ä♦¾ä♦™ä€,

TURN α , β CMS Web

ãf-ãf^aãffã, ã² "å...±å~ã²—ã² | ã², „ã, ² å² ^ã€² æ»æ'fè€...ã² —ã¹ ¼šè°ã² ®ãf^aãffã, —ã, çãffãf—
ãfjãffã, »ãf¹ ¼ã, ã, 'å² —ã² 'å² —ã, ² å² —èf¹ æ€§ã² ®æ², „ã, Šã² ¾ã² TMã€, ã² "ã, ®æ² «ã² —ã¹ ¼šè°ã² ®ã,
ID ã² "ã² ã, 1², ²ãf¹ ¼ãf%oã² ®æ² «ã² ¾ã, ®æ² | ã², „ã, ² å² ^ã² ®æ², „ã, Šã² ¾ã² TMã€,

TURN \tilde{a} , $\tilde{f}^{1/4}$ \diamond \tilde{a} \diamond CMS $\tilde{f} \# \tilde{f}^{1/4}$, \tilde{f}^{TM} $\tilde{f}^{1/4}$, \tilde{f}^{TM}

ã, ¯ãf©ã, ¯ã, ã «å ¸ «ã ¸ ¾ã, CEã, <ãf‡ãf¼ã, ãf™ãf¼ã, ¯ãfžãf¼ãf‰ã ¸ “å...±å~ã ¸ —ã ¸ | ã ¸ „ã, ¯ã ´ å ¸ ^ã€ ¸ a

„TURN

CMS TURN [Cisco Meeting Server Scalability & Resilience Server Deployment Guide](#) [TURN](#)

Serveră€?ă?®é ...ă,'ă?ç...ă?—ă? | ă?ă?ă?ă? „ă?,

å>žé◆¿ç-

„**ã?**”**ã?****®**è,,**†å½±æ€§ã?**«**å¬¾å†|ã?****™**ã,**<å>žé?****¿ç-ã?¬ã?**,ã,**Šã?****¾ã?**»ã,“**ã€,**

ä;®æ£æ, ^ã◊¿ã, ½ãƒ•ãƒ^ã, |ã, sã, c

ä,·ä,¹ä,³ä♦-ä♦“ä♦®ä,çä%oäf♦ä,¤ä,¶äfªä♦«è”~è¼%oä♦•ä,Cä♦Ýè,,†å¼±æ€§ä♦«å”¾å‡!ä♦™ä,<ç,¡äf♦äf¼ä,äf§äf³ä♦..äf•ä,£äf¼äf♦äf£

https://www.cisco.com/en/US/docs/general/warranty/English/EU1KEN_.html

ã»«è”“è¼‰ã»®ã·ã,¹ã,³ã»®ã,½ãƒ·ãƒã,¹ã,§ã,çãƒ©ã,¤ã,»ãƒ³ã,¹ã»®æ»¡é...ã»«å¾“ã»†ã»“ã»“ã»

„**Ý**ä€♦**Š**á®**C**æ**S**~**ã**♦**C**E**ã**,½**a**f•**a**f^**ã**,|**ã**,**š****ã**,**c****ã**,’**a**f**ã**,|**a**f³**a**f**f**%**a**♦**S****ã**♦**ã**,**a**,**a**♦**R****ã**♦**—****ã**€♦**ã**,**a**,**c**aff**f**—**ã**,°**a**f~**a**f%**0**o**ã**♦**S****ã**♦**™****ã**€,**ç**,**j****å**,**Ý**ä♦**R****ã**,»**ã**,**a**f¥**a**f^**ã**f**t****ã**,**æ**,½**a**f•**a**f^**ã**,|**ã**,**š****ã**,**c**aff**f**—**a**f^**ã**f%**a**♦**«****ã**,**^****ã**♦**E****ã**♦**|****ã**€♦**ã**♦**S**á®**C**æ**S**~**ã**♦**«****æ**~**°****ã**♦**—****ã**♦**„****ã**,½**a**f•**a**f^**ã**,|**ã**,**š****ã**,**c****a**f©**ã**,**¤****ã**,»**a**f³**ã**,**¹****ã**€♦**è**¿½**ã**,½**a**f•**a**f^**ã**,|**ã**,**š****ã**,**c****a**f•**ã**,**E****a**f%**a**f♦**a**f**E****ã**,»**a**ff**f**^**ã**€♦**ã**♦**¾****ã**,**Ý**ä♦**—****a**f^**ã**,**a**fE**a**f%**a**f^**ã**,**a**,**a**fS**ã**f³

å,çäffäf—å,ºäf-äf¼äf%oå«å¾å™å,<æ"©é™åŒå»~å,Zå•å,Œå,<å"å"å"å"å,å,Så¾å?

— ½ f ♭ f f ♮ f — 8 f ♮ f ♮ f — 8 ° f

Security Advisories and Alerts [1/6]

„**Technical Assistance**“

C : å Ÿã çaffãf—ã °ã f-ã f1/ã f%ãã ⑧å—3/è+;èf1/å" ②ã ② ñã ② ã ② "ã ② "ã 'è " ¼æ~7ã ② —ã ② 'ã ② ã ② Ÿã

URL „[http://www.google.com](#)“ æ „[http://www.google.com](#)“

ä;®æ£æ, ^ã♦¿ãƒªãƒªãƒ¼ã, 1

ã”ã®è„†å½±æ€§ã”ã€CMS ã½ãƒ•ãƒ^ã, | ã,§ã,ç ãƒ¤ãƒ¤ãƒ¼ã,¹ 2.0.16ã€‡2.1.11ã€‡2.2.6
ä»¥é™♦ã§ä¿®æ£ã•ã,Œã‡¾ã♦—ã♦Ýã€,ã♦Šå®çæ§~ã♦—ã€Cisco.com ã‡® [Software Center](#) ã«ã,çã, —ã,»ã, 1ã—ã, ! [è£½å”♦ï¼^Productsï¼‰] > [ä¼šè°ï¼^Conferencingï¼‰] >
[ãƒ”ãƒ‡ã, ä¼šè°ï¼^Video Conferencingï¼‰] > [ãƒžãƒ«ãƒ♦ãƒ¤ãƒ¼ãƒ†ã,£ä¼šè°ï¼^Multiparty
Conferencingï¼‰] > [ä¼šè°ã,µãƒ¼ãƒ♦ï¼^Meeting Serverï¼‰]

— ã € œ œ æ – ° ã ® ã, ½ ã f • ã f ^ ã, | ã, § ã, ç

CMSã½ãƒ•ãƒ^ã, ã§ã, çãƒªãƒªãƒ¼ã, ãƒçãƒ‡ãƒª«ã»®è©³ç’ºã»«ã»¤ã»„ã»|ã»—ã€»ã€»[Cisco Meeting](#)

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

Cisco Product Security Incident Response

Teamⁱ/₄ PSIRTⁱ/₄%oãš – ã€š æœ–ã, Çãšf%oãš ſã, ¶ãš, ¶ãšf^aãš «è „~è¹/₄%oãš –ã, CEãš | ãš,,ã, <è,, †å¹/₄±æ€§ãš

å†°å...,

æœ¬è,,†å¼±æ€§ã»¬ã€◊ã,·ã,·1ã,³å†...éf..ã◊§ã◊®ã,»ã,ãƒ¥ãƒªãƒ†ã,£ãƒ†ã,¹ãƒ^ã»«ã,^ã◊£ã◊|ç™øè|<ã◊•ã,Œã◊¾ã◊—ã◊Ÿã€,

URL

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20170913-cmsturn>

æ”’è..å±¥æ’

äf♦äf¼ä, äfsäf³	èª¬æ~Ž	ã,»ã,¬ã,·äf§äf³	ã,¹äf†äf¼ä,¿ã,¹	æ—¥ä»~
1.0	å^♦å›žå...¬é-<äfªäfªäf¼ä,¹	-	Final	2017 å' 9 æœ^ 13 æ—¥

å^©ç”“è!◊?ç’„

æœ¬ã,çãf‰oãf♦ã,¤ã,¶ãfªã♦¬ç,,jä¿♦è”½ã♦®ã,,ã♦®ã♦”ã♦—ã♦|ã♦”æ♦♦ä¾›ã♦—ã♦|ã♦|ã♦Šã,Šã€æœ¬ã,Çãf‰oãf♦ã,¤ã,¶ãfªã♦®æf...å±ã♦Šã,^ã♦³ãfªãf³ã,—ã♦®ä½¿ç””ã♦«é-Çã♦™ã,<è²¬ä»»ã♦®ã,€ã♦¾ã♦Ýã€♦ã,·ã,¹ã,³ã♦¬æœ¬ãf‰oã,ãf¥ãf¡ãf³ãf^ã♦®å†...å®¹ã,’ã°^ãŠã♦”ã♦—ã♦«å¤‰oæ›ã♦—ã♦æœ¬ã,çãf‰oãf

♦ã,¤ã,¶ãfã♦®è''~è°å†...å®¹ã♦«é-çã♦—ã♦|æf...å±é...♦ä¿jã♦® URL
ã,'çœ♦ç·¥ã♦—ã€♦å♦~ç<-ã♦®è»çè¼‰ã,,æ,,♦è''³ã,'æ-½ã♦—ã♦ÿå'å♦^ã€♦å½"ç¤¾ã♦Œç®jç?ã♦"ã♦®ãf‰ã,ãf¥ãf;ãf³ãf^ã♦®æf...å±ã♦~ã€♦ã,·ã,¹ã,³è£½å"♦ã♦®ã,·ãf³ãf‰ãf!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。