

Cisco CVE-2019-1749: High severity vulnerability in RSP3 OSPFv2 implementation allowing Denial of Service



Cisco CVE-2019-1749 ID : cisco-sa-20190327-rsp3-ospf
Published : 2019-03-27 16:00
Version : 1.0 : Final
CVSS v3.1 : 7.4
Workarounds : No workarounds available
Cisco ID : [CSCvh06656](#)

[CVE-2019-1749](#)

Cisco CVE-2019-1749: High severity vulnerability in RSP3 OSPFv2 implementation allowing Denial of Service

High

Cisco CVE-2019-1749: High severity vulnerability in RSP3 OSPFv2 implementation allowing Denial of Service

Cisco CVE-2019-1749: High severity vulnerability in RSP3 OSPFv2 implementation allowing Denial of Service

Cisco CVE-2019-1749: High severity vulnerability in RSP3 OSPFv2 implementation allowing Denial of Service

Cisco CVE-2019-1749: High severity vulnerability in RSP3 OSPFv2 implementation allowing Denial of Service

Cisco CVE-2019-1749: High severity vulnerability in RSP3 OSPFv2 implementation allowing Denial of Service

Cisco CVE-2019-1749: High severity vulnerability in RSP3 OSPFv2 implementation allowing Denial of Service

Cisco CVE-2019-1749: High severity vulnerability in RSP3 OSPFv2 implementation allowing Denial of Service

Cisco CVE-2019-1749: High severity vulnerability in RSP3 OSPFv2 implementation allowing Denial of Service

Cisco CVE-2019-1749: High severity vulnerability in RSP3 OSPFv2 implementation allowing Denial of Service

«»¶ā®è,,†ā¼±æ€Šā«é-çā—ā | 17 ā»¶ā®ā,ā,¹ā,³ ā,»ā,āf¥āfªāftā,£
ā,çāf%āā,ā,¶ā,¶āfªā«ā¼ā,CEā | ā,,ā¼ā™ā€,ā,çāf%āā,ā,¶ā,¶āfªā®ā®CEā... ¨ā
Event Response: March 2019 Semiannual Cisco IOS and IOS XE Software Security Advisory Bundled
Publicationā€ā,â,ç...šā—ā | āāā ā•ā,,ā€,

è©²ā¹/²“è£¹/²ā“

è,,†ā¼±æ€Šā®ā,ā,«è£¹/²ā“

ā“ā®è,,†ā¼±æ€Šā~ā Cisco IOS XE
ā,½āf•āf^ā, | ā,šā,çā,â®ÿè;CEā—ā | ā,,ā | ā€āāā<āª OSPFv2
āf<āf¼āftā,£āf³ā,°āŠā,^ā³ OSPF Message Digest
5i¼^MD5i¼%āš—ā•èª è¨¼æ©ÿèf½ā CEæœ%āŠ¹ā Cisco ASR 900 RSP3
āf†āfā,ā,¹ā«â½±éÿ;ā,âŠā¼ā—ā¼ā™ā€,

æ³i¼šOSPFv2āf<āf¼āftā,£āf³ā,°āŠā,^ā³ Hashed Message Authentication Code-Secure
Hash Algorithm(HMAC-
SHA)æš—ā•āCE-èª è¨¼ā CE¨¼ā®šā•ā,CEāÿāf†āfā,ā,¹ā~ā€āā“ā®è,,†ā¼±æ€Šā®

è,,†ā¼±æ€Šā CEā~āœ¨ā™ā,« Cisco IOS XE ā,½āf•āf^ā, | ā,šā,ç
āfªāfªāf¼ā,¹ā«āªā,,ā | ā~ā€āā“ā®ā,çāf%āā,ā,¶ā,¶āfªā®ā€CEä;@æfæ,^ā;ā,½āf•

OSPFv2 āf<āf¼āftā,£āf³ā,°ā CEæœ%āŠ¹ā<ā©ā†ā<ā®çç°èª

ç®;ç†è€...ā~ā show running-config | include router
ospfā,³āfžāf³āf%ā,¹ā¼ç¨ā—ā | ā€ OSPFv2āf<āf¼āftā,£āf³ā,°ā CEæœ%āŠ¹ā<ā©ā†ā
āf<āf¼āftā,£āf³ā,°æ©ÿèf½ā CEæœ%āŠ¹āªāf†āfā,ā,¹ā<ā,%ā®ā,³āfžāf³āf%ā®ā†ªāŠ>

<#root>

```
rsp3#show running-config | include router ospf
router ospf
1
```

ā“ā®ā,³āfžāf³āf%ā®ā†ªāŠ>ā CEç©ªā®ā ‘ā^ā~āæ©ÿèf½ā CE¨¼ā®šā•ā,CEā | ā

OSPF MD5

èª è¨¼ā CE¨¼ā®šā•ā,CEā | ā,,ā,«ā<ā©ā†ā<ā®çç°èª

ç®;ç†è€...ā~ā show running-config | include authentication message-

• [af%afaffaf—af€ã,läf³](#)

[äfaä,äfa^ã<ã,%öafafafaf14ä,1i14^è±æ•ã<-i14%öã,'é,æšžã™ã,<ã<ã€ã^tæžã³4è±jã™ã<](#)
[ã,ã,1äftäfã<ã,<ã,%öaf•ã,jã,±äf«ã,'ã,çäffaf—äffaf14äf%öã<—ã<|ã€æ±öç'çã,'é-<ãšã™ã,<](#)

• **show version ä,³äfžäf³äf%öã<®ã±°ãš>ä,'äf,,äf14äf«ã<šèšfæžã<™ã,<**

• [ã,<ã,1ã,çäfžã,±ã,°ã<—ã<ÿæ±öç'ç14^é<žžã>ã<«ã...-é-<ã<•ã,CEã<ÿã™ã<1ã<|ã<®ã,ã,1ã,³ã](#)
[ã,»ã,äfÿäf³äftã,£](#)

[ã,çäf%öaf<ã,±ã,¶äfaä,'æ±öç'çã³4è±jã<«ã...¥ã,CEã<ÿã,šã€ç%ö1ã®šã<®ã,çäf%öaf<ã,±ã,¶äfaä](#)

[äfaäfaaf14ä,1ã<CEã€ã<ã...-é-<ã<•ã,CEã<|ã<,ã,<ã,ã,1ã,³ã,»ã,äfÿäf³äftã,£ä,çäf%öaf<ã,±ã,¶äfaä<®ã<](#)

[IOS Software Checkerã,1'ä½ç'™ã<™ã,<ã<ã€æ-ã<®äfaä,£äf14äf«äf%öã<«Cisco](#)

[IOSã<³4ã<ÿã<-IOS](#)

[XEä,½äf•äf^ã,|ã,šã,çäfaafaf14ä,1\(ã<ÿã<™ã<ã<ã<ã<°ã€15.1\(4\)M2ä,,3.13.8S\)ã,1ã...¥ãš>ã<—ã<³4ã<™ã<](#)

[äf†äf•ã,©äf«äf^ã<šã<-ã€Cisco IOS](#)

[ã,½äf•äf^ã,|ã,šã,çä<®äfaä,šäffä,ã<«ã<-ã€çµæžöä<-ã€é«ã,»ã,äfÿäf³äftã,£ä<,ã<®ã½](#)
[\(ã,µäf¼\)](#)

[ã<³4ã<ÿã<-é±ã±šã<ªè,,tã¼±æ€šã<«ã<®ã<çä<CEã<«ã<³4ã,CEã<|ã<,ã<³4ã<™ã€ã€CEä,é-](#)
[SIR è,,tã¼±æ€šã<®çµæžöä,'ã<«ã,<ã,<ã<«ã<-ã€Cisco.com ä<® Cisco IOS](#)

[ã,½äf•äf^ã,|ã,šã,çäfaä,šäffä,«äf14ä,'ä½ç'™ã<-ã<|ã€\[Impact Rating\]](#)

[äf%öafaffaf—af€ã,läf³ äfaä,1äf^ã<® \[ä,é-"i14^Mediumi14%ö\]](#)

[äf<ã,šäffä,äfoäffä,ã,1ã,'ã,ªäf³ã<«ã<-ã<³4ã<™ã€,](#)

[Cisco IOS XE ä,½äf•äf^ã,|ã,šã,çäfaafaf14ä,1ã<- Cisco IOS ä,½äf•äf^ã,|ã,šã,ç](#)

[äfaafaf14ä,1ã<®äfžäffaf'äf³ã,°ã<«ã<±ã<,ã<|ã<-ã€Cisco IOS XE](#)

[ã,½äf•äf^ã,|ã,šã,çä<®äfaafaf14ä,1ã<«ã<çöä<-ã<|ã€Cisco IOS XE 2 Release](#)

[Notesã€ã€ã€Cisco IOS XE 3S Release Notesã€ã€ã€ã<³4ã<ÿã<-ã€Cisco IOS XE 3SG](#)

[Release Notesã€ã<ä,'ã<,ç...šã<-ã<|ã<®ã<ã<ã<•ã<,ã€,](#)

[æ³14šCisco IOS](#)

[XEä,½äf•äf^ã,|ã,šã,çäfaafaf14ä,116.9.1ä»¥é™ã<ã<šã<-ã€ã<çäffaf—ã,°äf-äf14äf%öã<«ã<-ã,1äfžäf¼](#)
[IOS XE ä,'äfaafaf14ä,1 16.9.1](#)

[ä»¥é™ã<ã<«ã<çäffaf—ã,°äf-äf14äf%öã<™ã,<ã^ã<®šã<CEã<,ã,<ã'ã<^ã<-ã€ã,1äfžäf¼äf^](#)

[äf©ã,±ã,»äf³ã,1è|<ä<¶ä,æ±öè"žã<™ã,<ã<"ã<™ã,ã<šã<šã,<ã<-ã<³4ã<™ã€èç½äšæf...ã<±ã<](#)
[ä,1äfžäf¼äf^äf©ã,±ã,»äf³ã,1ã€,](#)

ä,æ£ã^©ç'™ä<ã³4ã<-ã<™ã<ç™°èj™

Cisco Product Security Incident Response

[Teami14^PSIRTi14%öã<-ã€æö-ã,çäf%öaf<ã,±ã,¶äfaä<«è~è¼%öã<•ã,CEã<|ã<,ã,<è,,tã¼±æ€šã<](#)

å±°å...

ã"ã®è,,tå¼±æ€šã Cisco TAC

ã,µãfãf¼ãf^ã,±ãf¼ã,¹ã®èš£æ±°ã,ã«ç™°è|ã•ã,£ã¼ã—ãÿã€,

URL

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20190327-rsp3-ospf>

æ”¹è,,å±¥æ´

ãfãf¼ã,ãfšãf³	èª-æž	ã,»ã,ã,ãfšãf³	ã,¹ãf¹ãf¼ã,¿ã,¹	æ—¥ã»~
1.0	å^å>žå...-é-ãfªãfªãf¼ã,¹	-	Final	2019 å¹´ 3 æœˆ 27 æ—¥

å^©ç”¹è!ç´,,

æœ-ã,çãf%ãfã,µã,¶ãfªãç,;ãžèè¼ã®ã,,ã®ã”ã—ã|ã”æãã¼ã—ã|ãšã,šã€
æœ-ã,çãf%ãfã,µã,¶ãfªã®æf...å±ãšã,^ã³ãfªãf³ã,ã®½ç””ã«é-çã™ã,«è²-ã»ã®ã,€
ã¼ãÿã€ã,ã,¹ã,³ã-æœ-ãf%ã,ãfªãfªãfªã®åt...ã®¹ã,¹ã°ãšãªã—ã«ã%æ´ã—ã
æœ-ã,çãf%ãfã,µã,¶ãfªã®è”èž°åt...ã®¹ã«é-çã—ã|æf...å±é...ãžã® URL
ã,çœç•¥ã—ã€ãç<-ã®è»çè¼%ã,,,æ,,è”³ã,æ½ã—ãÿã´ã^ã€ã½”ç¼ã£ç®çç
ã”ã®ãf%ã,ãfªãfªãfªã®æf...å±ã-ã€ã,ã,¹ã,³è£½ã”ã®ã,ãfªãf%ãf¼ã,¶ã,¹ã¼è±;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。