

Cisco IOS Ša, ^a♦³IOS XE, ½aſ•aſ^a, |a, ſa, ca ♦®Internet Key Exchange Version 1(IKEv1) aſ•aſ@a, °aſ; aſ³aſt aſ¹/₄a, ·aſſaſ³a ♦«é-[C](#)



a, cf%oaf♦a, a, ¶a, ¶aſaſf%ID : cisco-sa-

20160928-ios-ikev1

[CVE-2016-](#)

[6381](#)

a^♦a...-é-æ—¥ : 2016-09-28 16:00

aſ♦aſ¹/₄a, aſſaſ³ 1.0 : Final

CVSSa, 1a, 3a, c : [7.1](#)

a>žé♦¿ç- : No workarounds available

Cisco aſ♦a, ° ID : [CSCuy47382](#)

a—¥æœ—è^aža♦«a, ^a, <aef...å ±a♦—a€♦è<±e^aža♦«a, ^a, <aZÝæ-‡a♦®é♦žå...-å¹/₄a♦a

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Cisco IOS Ša, ^a♦³IOS XE, ½aſ•aſ^a, |a, ſa, ca ♦®Internet Key

Exchange(IKEv1) aſ•aſ@a, °aſ; aſ³aſt aſ¹/₄a, ·aſſaſ³a, ³aſ¹/₄aſ%oa♦®è,, †a¹/₄±æ€ſa♦«a, ^a, ſa€♦è^a♦è^¹/₄a♦a

a♦“a♦®è,, †a¹/₄±æ€ſa♦—a€♦å·ſa!™a♦«c°å·¥a♦•a, ©a♦Ýaſ•aſ@a, °aſ; aſ³aſt aſ^a®æ—a♦•a, ©a♦ÝIKEv1a

a³“i¹/₄ſæœ—è,, †a¹/₄±æ€ſa, 'a, aæ£å^©c”“a♦™a, <c>®çš,, a♦§ä¹/₂c”“a♦§a♦a, <a♦®a♦—a€♦è©²å¹/₂a, ·a, i aſ^aſc•a, fæffā, —a♦—IPv6

aſ^aſc•a, fæffā, —a♦§aſ^aſa, —aſ¹/₄a♦•a, ©a, <a♦—èf¹/₂æ€ſa♦©a♦, a, ſa♦³/₄a♦™a€,

a, ·a, ¹a, ³a♦—a♦“a♦®è,, †a¹/₄±æ€ſa♦«a—³/₄a‡|a♦™a, <a, ½aſ•aſ^a, |a, ſa, c
a, c aſfæf—aſ‡aſ¹/₄aſ^a, 'aſ^aſa aſ¹/₄a, ¹a♦—a♦³/₄a♦—a♦Ýa€, a♦“a♦®è,, †a¹/₄±æ€ſa♦«a—³/₄a‡|a♦™a, <a, i

a♦“a♦®a, c aſ%oaf♦a, a, ¶a, ¶aſaſ♦—a€♦æ—i a♦®aſaſ³a, —a, ^a, ſc c°è^a♦a♦§a♦a♦³/₄a♦™a€,

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20160928-ios-ikev1>

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- LAN é-“ VPN
- ãfºãf¢ãf¹/4ã^ ã,¢ã,¬ã,»ã,¹ VPNi¹/4^SSL VPN ã,’é™¤ã♦®i¼%o
- Dynamic Multipoint VPNi¹/4^DMVPNi¹/4%o
- FlexVPN
- Group Encrypted Transport VPNi¹/4^GETVPNi¹/4%o

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<#root>

router#

show running-config | include crypto isakmp fragmentation

crypto isakmp fragmentation

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<#root>

router#

show udp

Proto	Remote	Port	Local	Port	In	Out	Stat	TTY	OutputIF
17	--listen--		192.168.130.21	500	0	0	1001011	0	
17(v6)	--listen--		UNKNOWN	500	0	0	1020011	0	
17	--listen--		192.168.130.21	4500	0	0	1001011	0	
17(v6)	--listen--		UNKNOWN	4500	0	0	1020011	0	
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router#

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IOSã,½äf•äf^ä,|ã,§ã,çã—ä€♦IPv4ä♦¾ä♦Ýä♦—IPv6ä,’ä½¿ç”“ã♦—ä♦|ã€♦UDPaƒ♦äf¼äf^848(0

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æ¬|ã♦®ä¾<ã♦~ã€♦Cisco IOS ã,½ãf•ãf^ã,|ã,§ã,¢ ãfªãfªãf¼ã,¹ã♦Œ 15.5(2)T1
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<#root>

Router>

show version

Cisco IOS Software, C2951 Software (C2951-UNIVERSALK9-M), Version 15.5(2)T1, RELEASE SOFTWARE (fc1)
Technical Support: <http://www.cisco.com/techsupport>
Copyright (c) 1986-2015 by Cisco Systems, Inc.
Compiled Mon 22-Jun-15 09:32 by prod_rel_team

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Cisco IOS ã,½ãf•ãf^ã,|ã,§ã,¢
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ãfšãf¼ãf‘ãf¼rl/4šCisco IOS ã♦§ã,^ã♦³ NX-OS ã,½ãf•ãf^ã,|ã,§ã,¢ ãfªãf•ã,¡ãf¬ãf³ã,¹ã,¬ã,¤ãf‰

Cisco IOS XE ã,½ãf•ãf^ã,|ã,§ã,¢ ãfªãfªãf¼ã,¹ã♦®å^¤ã^¥

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Software Cisco IOS XE Version 3.16.1a (S1a) [RELEASE]

Cisco IOS XE Version 3.16.1a (S1a) [RELEASE] contains the following components:
IOS-XE-Linux-ASR1000-K9-M: Cisco IOS Software, ASR1000 Software (PPC_LINUX_IOSD-ADVENTERPRISEK9-M), Version 15.5(3)S1a, RELEASE

<#root>

Router>

show version

Cisco IOS XE Software, Version 03.16.01a.S - Extended Support Release
Cisco IOS Software, ASR1000 Software (PPC_LINUX_IOSD-ADVENTERPRISEK9-M), Version 15.5(3)S1a, RELEASE
Technical Support: <http://www.cisco.com/techsupport>
Copyright (c) 1986-2015 by Cisco Systems, Inc.
Compiled Wed 04-Nov-15 17:40 by mcpree

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Cisco IOS XE Version 3.16.01a (S1a) [RELEASE]

[Cisco IOS XE Version 3.16.01a \(S1a\) \[RELEASE\]](#)

Router>

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IKEv1 fragmentation issues - IKEv1 fragmentation can cause issues with certain Cisco routers, particularly those running Cisco IOS XE Version 3.16.01a (S1a) [RELEASE].

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The problem occurs when the router receives an IKEv1 fragmentation message that has been fragmented into multiple fragments.

When this happens, the router will drop the fragments and not be able to reassemble them correctly, resulting in a loss of connectivity.

To fix this issue, you can either upgrade your Cisco router to a newer version of Cisco IOS XE, or you can apply a Cisco IOS XE patch that addresses this specific fragmentation issue.

For more information, please refer to the Cisco documentation titled "Cisco IOS XE Version 3.16.01a (S1a) [RELEASE] Known Issues and Workarounds".

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

„Cisco Security Advisories and Alerts“
Cisco Security Advisories and Alerts

„Cisco Technical Assistance Center“
Cisco Technical Assistance Center

„Cisco Worldwide Contacts“
http://www.cisco.com/en/US/support/tsd_cisco_worldwide_contacts.html

„Cisco IOS Software Checker“
Cisco IOS Software Checker

„Cisco IOS XE“
Cisco IOS XE

„Cisco IOS XR“
Cisco IOS XR

„Cisco ASA“
Cisco ASA

„Cisco Firepower“
Cisco Firepower

„Cisco Meraki“
Cisco Meraki

„Cisco Umbrella“
Cisco Umbrella

„Cisco Webex“
Cisco Webex

Cisco IOS 3 IOS XE 1/2af·af^a, | a, s a, c

„Cisco IOS Software Checker“
Cisco IOS Software Checker

„Cisco IOS XE“
Cisco IOS XE

„Cisco Meraki“
Cisco Meraki

„Cisco Umbrella“
Cisco Umbrella

„Cisco Webex“
Cisco Webex

„Cisco Firepower“
Cisco Firepower

- [Cisco IOS Software Security Advisory for Cisco IOS Software \(Document ID: 20160928\)](#)
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Cisco Product Security Incident Response

URL

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20160928-ios-ikev1>

Cisco Product Security Incident Response

Document ID	Document Title	Document Type	Date
20160928	Cisco IOS Software Security Advisory for Cisco IOS Software (Document ID: 20160928)	2016-09-28	2016-09-28

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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。