

# Cisco IOS ۲۰۱۷-۰۹۲۷-ike

## Denial of Service (DoS) Vulnerability



Severity: High  
Published: 2017-09-27

[CVE-2017-12237](#)

Last updated: 2022-12-17  
Version: 1.1

CVSS v3 Score: 8.6

Status: Yes

Cisco ID: CSCvc41277

This advisory describes a Denial of Service (DoS) vulnerability in Cisco IOS 2017-0927-ike.

Impact:

Cisco IOS 2017-0927-ike is a Denial of Service (DoS) vulnerability in Cisco IOS XE 2017-0927-ike. This vulnerability allows an attacker to cause a denial of service (DoS) on a Cisco router or switch running Cisco IOS XE 2017-0927-ike. The exploit involves sending a large number of forged Internet Key Exchange Version 2 (IKEv2) messages to the victim device, which causes the device to consume excessive resources and become unresponsive.

The exploit works by sending a series of forged IKEv2 messages to the victim device, causing it to process them and respond to them, which consumes system resources and leads to a denial of service.

The exploit can be triggered by sending a series of forged IKEv2 messages to the victim device. The exploit works by sending a series of forged IKEv2 messages to the victim device, causing it to process them and respond to them, which consumes system resources and leads to a denial of service.

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Response: September 2017 Semiannual Cisco IOS and IOS XE Software Security Advisory  
Bundled Publicationã€ã, 'ã, ç... ã —ã |ã, ã, ã, ã, ã, „ã,

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Security Association and Key Management

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- af^ãfçaf^ãf^ã, çã, -ã, »ã, 1 VPNi¼^SSL VPN ã, 'éTM ã, ¼‰
- Dynamic Multipoint VPNi¼^DMVPNi¼‰
- FlexVPN

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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#

## Cisco IOS ã½ãf•ãf^ ã,|ã,§ã,c ãfãfãf¹/4ã,¹ã®ã®ã^ã^ã

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<#root>

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Router>
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show version
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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<sup>®</sup>,<sup>™</sup> Cisco IOS XE Software - Cisco<sup>®</sup> 3 NX-OS<sup>®</sup>  
OS<sup>®</sup>,<sup>™</sup> Cisco IOS XE Software - Cisco<sup>®</sup> 3 NX-OS<sup>®</sup>

## Cisco IOS XE <sup>®</sup>,<sup>™</sup> Cisco IOS XE Software - Cisco<sup>®</sup> 3 NX-OS<sup>®</sup>

show version  
Cisco IOS XE Software - Cisco<sup>®</sup> 3 NX-OS<sup>®</sup>  
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16.2.1

CAT3K\_CAA-UNIVERSALK9-M  
Cisco IOS XE Software - Cisco<sup>®</sup> 3 NX-OS<sup>®</sup>

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<#root>
```

```
ios-xe-device#
```

```
show version
```

Cisco IOS Software, Catalyst L3 Switch Software (CAT3K\_CAA-UNIVERSALK9-M), Version Denali 16.2.1, RELEASE SOFTWARE (fc1)  
Technical Support: <http://www.cisco.com/techsupport>  
Copyright (c) 1986-2016 by Cisco Systems, Inc.  
Compiled Sun 27-Mar-16 21:47 by mcpre

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## Cisco IOS

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## Cisco NX-OS

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<#root>

Router#

```
sh proc cpu sorted
```

CPU utilization for five seconds: 99%/6%; one minute: 64%; five minutes: 52%						
PID	Runtime(ms)	Invoked	uSecs	5Sec	1Min	5Min
391	2949388	188131		15677	83.72%	53.79%
				43.27%	0	Crypto IKEv2

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date-time: %SYS-3-CPUHOG: Task is running for (2275)msecs, more than (2000)msecs (0/0),process = Crypto

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IOSXE-WATCHDOG: Process = Crypto IKEv2

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[CSCvc12306](#),’ã♦,ç...§)ã€♦ã♦“ã♦®ã,³ãfžãf³ãf%oã,’ä½¿ç””ã♦™ã,<ã♦”ã€♦ä¿®æ£æ,^ã♦¿ãf¤ãf¤ãf¼ã,

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<https://www.cisco.com/c/en/us/products/end-user-license-agreement.html>

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Security Advisories and Alerts”¼‰]

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<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20170927-ike>

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## 翻訳について

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