



CVE-2018-15391

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CVE-2018-15391 - advisory for cisco-sa-20181003-phy-ipv4-dos

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:30/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H



Certain versions of [Remote](#) from [Cisco](#) contain the following vulnerability:

A vulnerability in certain IPv4 fragment-processing functions of Cisco Remote PHY Software could allow an unauthenticated, remote attacker to impact traffic passing through a device, potentially causing a denial of service (DoS) condition. The vulnerability is due to the affected software not validating and calculating certain numerical values in IPv4

packets that are sent to an affected device. An attacker could exploit this vulnerability by sending malformed IPv4 traffic to an affected device. A successful exploit could allow the attacker to disrupt the flow of certain IPv4 traffic passing through an affected device, which could result in a DoS condition.

CVE-2018-15391 has been assigned by [psirt@cisco.com](#) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [Cisco](#) - **Cisco Remote PHY** version **n/a**

CVSS3 Score: **7.5 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: **7.8 - HIGH**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	COMPLETE

CVE References

Description	Tags	Link
Cisco Remote PHY IPv4 Fragment Denial of Service Vulnerability	Vendor Advisory tools.cisco.com text/html	 CISCO 20181003 Cisco Remote PHY IPv4 Fragment Denial of Service Vulnerability

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Cisco	Remote	phy	-	All	All
Application	Cisco	Remote	phy	-	All	All

cpe:2.3:a:cisco:remote:phy:-:~::~

cpe:2.3:a:cisco:remote:phy:-:~::~

No vendor comments have been submitted for this CVE

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