



CVE-2019-12678

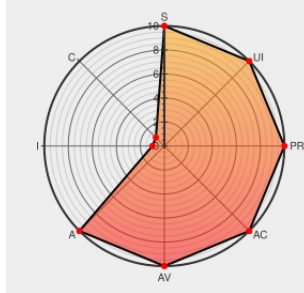
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CVE-2019-12678 - advisory for cisco-sa-20191002-asa-ftd-sip-dos

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

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



Certain versions of [Adaptive Security Appliance](#) from [Cisco](#) contain the following vulnerability:

A vulnerability in the Session Initiation Protocol (SIP) inspection module of Cisco Adaptive Security Appliance (ASA) Software and Cisco Firepower Threat Defense (FTD) Software could allow an unauthenticated, remote attacker to cause a denial of service (DoS) condition on an affected device. The vulnerability is due to improper

parsing of SIP messages. An attacker could exploit this vulnerability by sending a malicious SIP packet through an affected device. A successful exploit could allow the attacker to trigger an integer underflow, causing the software to try to read unmapped memory and resulting in a crash.

CVE-2019-12678 has been assigned by [psirt@cisco.com](#) to track the vulnerability - currently rated as **HIGH** severity.

The Cisco Product Security Incident Response Team (PSIRT) is not aware of any public announcements or malicious use of the vulnerability that is described in this advisory.

Affected Vendor/Software: [Cisco](#) - **Cisco Adaptive Security Appliance (ASA) Software** 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: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality	Integrity	Availability

Impact		Impact		Impact		
NONE		NONE		PARTIAL		
CVE References						
Description		Tags		Link		
Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software SIP Inspection Denial of Service Vulnerability		Vendor Advisory tools.cisco.com text/html		 CISCO 20191002 Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software SIP Inspection 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	Adaptive Security Appliance	All	All	All	All
Application	Cisco	Adaptive Security Appliance	All	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	All	All	All	All
Hardware 	Cisco	Asa 5505	-	All	All	All
Hardware 	Cisco	Asa 5505	-	All	All	All
Hardware 	Cisco	Asa 5510	-	All	All	All
Hardware 	Cisco	Asa 5510	-	All	All	All
Hardware 	Cisco	Asa 5512-x	-	All	All	All
Hardware 	Cisco	Asa 5512-x	-	All	All	All
Hardware 	Cisco	Asa 5515-x	-	All	All	All
Hardware 	Cisco	Asa 5515-x	-	All	All	All
Hardware 	Cisco	Asa 5520	-	All	All	All
Hardware 	Cisco	Asa 5520	-	All	All	All
Hardware 	Cisco	Asa 5525-x	-	All	All	All
Hardware 	Cisco	Asa 5525-x	-	All	All	All
Hardware 	Cisco	Asa 5550	-	All	All	All
Hardware 	Cisco	Asa 5550	-	All	All	All
Hardware 	Cisco	Asa 5555-x	-	All	All	All
Hardware 	Cisco	Asa 5555-x	-	All	All	All

Hardware		Cisco	Asa 5580	-	All	All	All
Hardware		Cisco	Asa 5580	-	All	All	All
Hardware		Cisco	Asa 5585-x	-	All	All	All
Hardware		Cisco	Asa 5585-x	-	All	All	All
Application		Cisco	Firepower Threat Defense	All	All	All	All
Application		Cisco	Firepower Threat Defense	All	All	All	All
cpe:2.3:a:cisco:adaptive_security_appliance:*****:							
cpe:2.3:a:cisco:adaptive_security_appliance:*****:							
cpe:2.3:o:cisco:adaptive_security_appliance_software:*****:							
cpe:2.3:h:cisco:asa_5505:-:*****:							
cpe:2.3:h:cisco:asa_5505:-:*****:							
cpe:2.3:h:cisco:asa_5510:-:*****:							
cpe:2.3:h:cisco:asa_5510:-:*****:							
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cpe:2.3:h:cisco:asa_5585-x:-:*****:							
cpe:2.3:h:cisco:asa_5585-x:-:*****:							

cpe:2.3:a:cisco:firepower_threat_defense:*****:

cpe:2.3:a:cisco:firepower_threat_defense:*****:

No vendor comments have been submitted for this CVE

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