



CVE-2019-15992

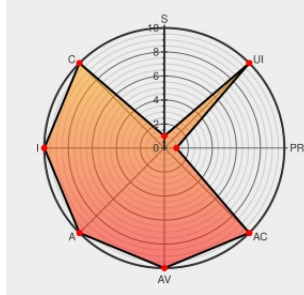
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CVE-2019-15992 - advisory for cisco-sa-20191112-asa-ftd-lua-rce

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

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



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

A vulnerability in the implementation of the Lua interpreter integrated in Cisco Adaptive Security Appliance (ASA) Software and Cisco Firepower Threat Defense (FTD) Software could allow an authenticated, remote attacker to execute arbitrary code with root privileges on the underlying Linux operating system of an affected device.

The vulnerability is due to insufficient restrictions on the allowed Lua function calls within the context of user-supplied Lua scripts. A successful exploit could allow the attacker to trigger a heap overflow condition and execute arbitrary code with root privileges on the underlying Linux operating system of an affected device.

CVE-2019-15992 has been assigned by [Cisco](#) psirt@cisco.com to track the vulnerability - currently rated as **HIGH** severity.

The Cisco Product Security Incident Response Team (PSIRT) is aware that proof-of-concept exploit code is available for the vulnerability described in this advisory.

Affected Vendor/Software: [Cisco](#) - **Cisco Adaptive Security Appliance (ASA) Software** version n/a

CVSS3 Score: **7.2 - HIGH**

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

CVSS2 Score: **9 - HIGH**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	SINGLE
Confidentiality	Integrity	Availability

Impact

COMPLETE

Impact

COMPLETE

Impact

COMPLETE

CVE References

Description

Tags

Link

Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software Remote Code Execution Vulnerability

Patch

Vendor Advisory

tools.cisco.com

text/html

 CISCO 20191112 Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software Remote Code Execution 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
Application	Cisco	Firepower Management Center	All	All	All	All
Application	Cisco	Firepower Management Center	All	All	All	All
Application	Cisco	Firepower Threat Defense	-	All	All	All
Application	Cisco	Firepower Threat Defense	-	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:a:cisco:firepower_management_center:~::~::~:::

cpe:2.3:a:cisco:firepower_management_center:~::~::~:::

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

Social Mentions

Source	Title	Posted (UTC)
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