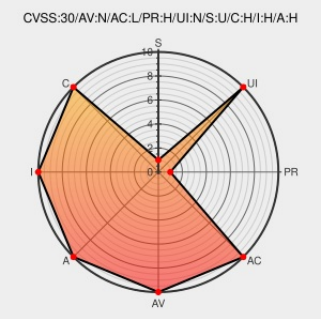
CVE-2019-15992

Published on: 09/22/2020 12:00:00 AM UTC

Last Modified on: 08/16/2023 04:18:00 PM UTC

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

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



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 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	Impact	Impact
COMPLETE	COMPLETE	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

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)

← Previous ID

Next ID→