



# CVE-2019-12698

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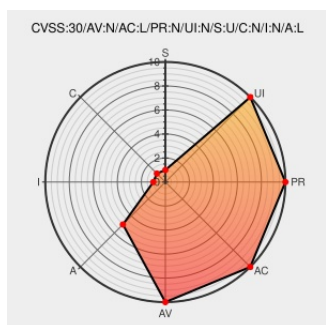
## CVE-2019-12698 - advisory for cisco-sa-20191002-asa-ftd-dos

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



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

A vulnerability in the WebVPN feature of Cisco Adaptive Security Appliance (ASA) Software and Cisco Firepower Threat Defense (FTD) Software could allow an unauthenticated, remote attacker to cause increased CPU utilization on an affected device. The vulnerability is due to excessive processing load for a specific WebVPN HTTP page request.

An attacker could exploit this vulnerability by sending multiple WebVPN HTTP page load requests for a specific URL. A successful exploit could allow the attacker to increase CPU load on the device, resulting in a denial of service (DoS) condition, which could cause traffic to be delayed through the device.

CVE-2019-12698 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    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>LOW</b>             | <b>NONE</b>         | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>NONE</b>            | <b>NONE</b>         | <b>HIGH</b>         |

CVSS2 Score: **7.8 - HIGH**

| Access Vector   | Access Complexity | Authentication |
|-----------------|-------------------|----------------|
| <b>NETWORK</b>  | <b>LOW</b>        | <b>NONE</b>    |
| Confidentiality | Integrity         | Availability   |

| Impact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Impact                                                                     | Impact                                                                                                                                                                                                                                  |         |        |         |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|---------|----------|
| NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NONE                                                                       | COMPLETE                                                                                                                                                                                                                                |         |        |         |          |
| CVE References                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                            |                                                                                                                                                                                                                                         |         |        |         |          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tags                                                                       | Link                                                                                                                                                                                                                                    |         |        |         |          |
| Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software WebVPN CPU Denial of Service Vulnerability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <div>Vendor Advisory</div> <div>tools.cisco.com</div> <div>text/html</div> | <div> CISCO 20191002 Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software WebVPN CPU Denial of Service Vulnerability</div> |         |        |         |          |
| <div>By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to <a href="mailto:comment@cve.report">comment@cve.report</a>.</div> |                                                                            |                                                                                                                                                                                                                                         |         |        |         |          |
| 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:-:*****:                           |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5512-x:-:*****:                         |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5512-x:-:*****:                         |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5515-x:-:*****:                         |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5515-x:-:*****:                         |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5520:-:*****:                           |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5520:-:*****:                           |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5525-x:-:*****:                         |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5525-x:-:*****:                         |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5550:-:*****:                           |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5550:-:*****:                           |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5555-x:-:*****:                         |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5555-x:-:*****:                         |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5580:-:*****:                           |                                                                                   |       |                          |     |     |     |     |
| cpe:2.3:h:cisco:asa_5580:-:*****:                           |                                                                                   |       |                          |     |     |     |     |
| 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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