



CVE-2022-20751

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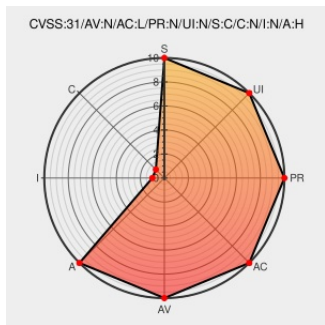
CVE-2022-20751 - advisory for cisco-sa-ftd-snort-dos-hd2hFgM

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of **Firepower 1000** from **Cisco** contain the following vulnerability:

A vulnerability in the Snort detection engine integration for Cisco Firepower Threat Defense (FTD) Software could allow an unauthenticated, remote attacker to cause unlimited memory consumption, which could lead to a denial of service (DoS) condition on an affected device. This vulnerability is due to insufficient memory management for certain Snort events. An attacker could exploit this vulnerability by sending a series of crafted IP packets that would generate specific Snort events on an affected device. A sustained attack could cause an out of memory condition on the affected device. A successful exploit could allow the attacker to interrupt all traffic flowing through the affected device. In some circumstances, the attacker may be able to cause the device to reload, resulting in a DoS condition.

CVE-2022-20751 has been assigned by psirt@cisco.com to track the vulnerability - currently rated as **HIGH** severity.

The Cisco 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 Firepower Threat Defense 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: **7.1 - HIGH**

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE

Confidentiality Impact

Integrity Impact

Availability Impact

NONE

NONE

COMPLETE

CVE References

Description

Tags

Link

No Description Provided



















[tools.cisco.com text/html](https://tools.cisco.com/text/html)





[CISCO 20220427 Cisco Firepower Threat Defense Software Snort Out of Memory 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
Hardware 	Cisco	Firepower 1000	-	All	All	All
Hardware 	Cisco	Firepower 1010	-	All	All	All
Hardware 	Cisco	Firepower 1020	-	All	All	All
Hardware 	Cisco	Firepower 1030	-	All	All	All
Hardware 	Cisco	Firepower 1040	-	All	All	All
Hardware 	Cisco	Firepower 1120	-	All	All	All
Hardware 	Cisco	Firepower 1140	-	All	All	All
Hardware 	Cisco	Firepower 1150	-	All	All	All
Hardware 	Cisco	Firepower 2100	-	All	All	All
Hardware 	Cisco	Firepower 2110	-	All	All	All
Hardware 	Cisco	Firepower 2120	-	All	All	All
Hardware 	Cisco	Firepower 2130	-	All	All	All
Hardware 	Cisco	Firepower 2140	-	All	All	All
Hardware 	Cisco	Firepower 4100	-	All	All	All
Hardware 	Cisco	Firepower 4110	-	All	All	All
Hardware 	Cisco	Firepower 4112	-	All	All	All
Hardware 	Cisco	Firepower 4115	-	All	All	All
Hardware 	Cisco	Firepower 4120	-	All	All	All

Hardware 	Cisco	Firepower 4125	-	All	All	All
Hardware 	Cisco	Firepower 4140	-	All	All	All
Hardware 	Cisco	Firepower 4145	-	All	All	All
Hardware 	Cisco	Firepower 4150	-	All	All	All
Application	Cisco	Firepower Threat Defense	All	All	All	All
Application	Cisco	Firepower Threat Defense	7.1.0	All	All	All
Application	Cisco	Firepower Threat Defense	7.1.0.0	All	All	All
cpe:2.3:h:cisco:firepower_1000:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_1010:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_1020:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_1030:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_1040:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_1120:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_1140:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_1150:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_2100:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_2110:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_2120:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_2130:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_2140:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_4100:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_4110:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_4112:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_4115:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_4120:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_4125:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_4140:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_4145:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:h:cisco:firepower_4150:-:~::~:~::~:~::~:~::~:~::~:						
cpe:2.3:a:cisco:firepower_threat_defense:~::~:~::~:~::~:~::~:~::~:						






cpes:2.3:a:cisco:firepower_threat_defense:7.1.0:*****:*****:

cpe:2.3:a:cisco:firepower_threat_defense:7.1.0:*****:*****:

cpe:2.3:a:cisco:firepower_threat_defense:7.1.0.0:*****:*****:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @RedPacketSec	Cisco Firepower Threat Defense Software denial of service CVE-2022-20751 - redpacketsecurity.com/cisco-firepowe...	2022-04-28 10:02:02
 @CVEreport	CVE-2022-20751 : A vulnerability in the Snort detection engine integration for Cisco Firepower Threat Defense FT... twitter.com/i/web/status/1...	2022-05-03 03:30:53
 @LinInfoSec	Snort - CVE-2022-20751: tools.cisco.com/security/cente...	2022-05-03 06:00:18
 @threatmeter	CVE-2022-20751 Cisco Firepower Threat Defense Snort Detection Engine memory allocation (cisco-sa-ftd-snort-dos-hd... twitter.com/i/web/status/1...	2022-05-03 07:50:36
 /r/netcve	CVE-2022-20751	2022-05-03 04:38:29

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