



# CVE-2026-20023

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#) 

## Summary

<b>CVE</b>	CVE-2026-20023
<b>State</b>	PUBLISHED
<b>Assigner</b>	cisco
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-03-04 19:16:14 UTC
<b>Updated</b>	2026-05-04 15:13:16 UTC
<b>Description</b>	A vulnerability in the OSPF protocol of Cisco Secure Firewall Adaptive Security Appliance (ASA) Software and Cisco Secur

## Risk And Classification

**Primary CVSS:** v3.1 6.5 MEDIUM from nvd@nist.gov

**CVSS:** 3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

**EPSS:** 0.000240000 probability, percentile 0.067520000 (date 2026-05-05)

**Problem Types:** CWE-787 | CWE-787 Out-of-bounds Write

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	6.5	MEDIUM	CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
3.1	psirt@cisco.com	Secondary	6.1	MEDIUM	CVSS:3.1/AV:A/AC:H/PR:N/UI:N/S:C/C:N/I:N/A:H
3.1	CNA	CVSSV3_1	6.1	MEDIUM	CVSS:3.1/AV:A/AC:H/PR:N/UI:N/S:C/C:N/I:N/A:H

## CVSS v3.1 Breakdown

Attack Vector

Adjacent

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

### NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Cisco	Adaptive Security Appliance Software	9.12.1	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.1.2	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.1.3	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.2	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.2.1	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.2.4	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.2.5	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.2.9	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.3	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.3.12	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.3.2	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.3.7	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.3.9	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.10	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.13	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.18	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.2	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.24	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.26	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.29	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.30	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.35	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.37	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.38	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.39	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.4	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	9.12.4.40	All	All	All







Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.20.2.21	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.20.2.22	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.20.3	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.20.3.10	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.20.3.13	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.20.3.16	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.20.3.4	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.20.3.7	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.20.3.9	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.20.4	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.20.4.10	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.20.4.14	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.20.4.7	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.22.1.1	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.22.1.2	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.22.1.3	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.22.1.6	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.22.2.13	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.22.2.14	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.22.2.9	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.23.1	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.23.1.13	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.23.1.19	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.23.1.22	All	All	All
Operating System	Cisco	<a href="#">Adaptive Security Appliance Software</a>	9.23.1.7	All	All	All
Application	Cisco	<a href="#">Firepower Threat Defense Software</a>	6.4.0	All	All	All
Application	Cisco	<a href="#">Firepower Threat Defense Software</a>	6.4.0.1	All	All	All
Application	Cisco	<a href="#">Firepower Threat Defense Software</a>	6.4.0.10	All	All	All
Application	Cisco	<a href="#">Firepower Threat Defense Software</a>	6.4.0.11	All	All	All
Application	Cisco	<a href="#">Firepower Threat Defense Software</a>	6.4.0.12	All	All	All
Application	Cisco	<a href="#">Firepower Threat Defense Software</a>	6.4.0.13	All	All	All
Application	Cisco	<a href="#">Firepower Threat Defense Software</a>	6.4.0.14	All	All	All
Application	Cisco	<a href="#">Firepower Threat Defense Software</a>	6.4.0.15	All	All	All
Application	Cisco	<a href="#">Firepower Threat Defense Software</a>	6.4.0.16	All	All	All
Application	Cisco	<a href="#">Firepower Threat Defense Software</a>	6.4.0.17	All	All	All



Application	Cisco	Firepower Threat Defense Software	7.2.3	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.2.4	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.2.4.1	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.2.5	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.2.5.1	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.2.5.2	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.2.6	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.2.7	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.2.8	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.2.8.1	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.2.9	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.3.0	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.3.1	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.3.1.1	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.3.1.2	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.4.0	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.4.1	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.4.1.1	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.4.2	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.4.2.1	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.4.2.2	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.4.2.3	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.4.2.4	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.4.3	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.6.0	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.6.1	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.6.2	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.6.2.1	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.7.0	All	All	All
Application	Cisco	Firepower Threat Defense Software	7.7.10.1	All	All	All

### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Cisco	Cisco Secure Firewall Adaptive Security Appliance ASA Software	affected 9.12.1	Not specified
CNA	Cisco	Cisco Secure Firewall Adaptive Security Appliance ASA Software	affected 9.12.1.2	Not specified
CNA	Cisco	Cisco Secure Firewall Adaptive Security Appliance ASA Software	affected 9.12.1.3	Not specified













CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.3.0	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.3.1	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.3.1.1	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.3.1.2	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.4.0	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.4.1	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.4.1.1	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.4.2	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.4.2.1	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.4.2.2	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.4.2.3	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.4.2.4	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.4.3	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.6.0	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.6.1	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.6.2	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.6.2.1	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.7.0	Not specified
CNA	Cisco	Cisco Secure Firewall Threat Defense FTD Software	affected 7.7.10.1	Not specified

## References

Reference	Source	Link	Tags
<a href="https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-asaftd...">sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-asaftd...</a>	psirt@cisco.com	<a href="https://sec.cloudapps.cisco.com">sec.cloudapps.cisco.com</a>	Ver
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	car
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	car

No vendor comments have been submitted for this CVE.

## Additional Advisory Data

### Exploits

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

There are currently no legacy QID mappings associated with this CVE.

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