



CVE-2018-0155

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Summary

CVE	CVE-2018-0155
State	PUBLIC
Assigner	psirt@cisco.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2018-03-28 22:29:00 UTC
Updated	2020-09-04 18:24:00 UTC
Description	A vulnerability in the Bidirectional Forwarding Detection (BFD) offload implementation of Cisco Catalyst 4500 Series Switch

Risk And Classification

EPSS: 0.145030000 probability, percentile 0.944200000 (date 2026-04-02)

CISA KEV: Listed on 2022-03-03; due 2022-03-17; ransomware use Unknown

Problem Types: CWE-755

CISA Known Exploited Vulnerability

Vendor	Cisco
Product	Catalyst 4500 Series Switches and Cisco Catalyst 4500-X Series Switches
Name	Cisco Catalyst Bidirectional Forwarding Detection Denial-of-Service Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2018-0155

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	La
Hardware	Cisco	Catalyst 4500-x Series Switches K10	-	All	All	AI
Hardware	Cisco	Catalyst 4500-x Series Switches K10	-	All	All	AI
Hardware	Cisco	Catalyst 4500-x Series Switches K10	-	All	All	AI
Hardware	Cisco	Catalyst 4500e Supervisor Engine 8-e K10	-	All	All	AI
Hardware	Cisco	Catalyst 4500e Supervisor Engine 8-e K10	-	All	All	AI
Hardware	Cisco	Catalyst 4500e Supervisor Engine 8-e K10	-	All	All	AI
Hardware	Cisco	Catalyst 4500e Supervisor Engine 8l-e K10	-	All	All	AI
Hardware	Cisco	Catalyst 4500e Supervisor Engine 8l-e K10	-	All	All	AI

Hardware	Cisco	Catalyst 4500e Supervisor Engine 8l-e K10	-	All	All	All
Hardware	Cisco	Catalyst 4500e Supervisor Engine 9-e K10	-	All	All	All
Hardware	Cisco	Catalyst 4500e Supervisor Engine 9-e K10	-	All	All	All
Hardware	Cisco	Catalyst 4500e Supervisor Engine 9-e K10	-	All	All	All
Hardware	Cisco	Catalyst 4500 Supervisor Engine 6-e K5	-	All	All	All
Hardware	Cisco	Catalyst 4500 Supervisor Engine 6-e K5	-	All	All	All
Hardware	Cisco	Catalyst 4500 Supervisor Engine 6-e K5	-	All	All	All
Hardware	Cisco	Catalyst 4500 Supervisor Engine 6l-e K10	-	All	All	All
Hardware	Cisco	Catalyst 4500 Supervisor Engine 6l-e K10	-	All	All	All
Hardware	Cisco	Catalyst 4500 Supervisor Engine 6l-e K10	-	All	All	All
Hardware	Cisco	Catalyst 4500 Supervisor Engine 7-e K10	-	All	All	All
Hardware	Cisco	Catalyst 4500 Supervisor Engine 7-e K10	-	All	All	All
Hardware	Cisco	Catalyst 4500 Supervisor Engine 7-e K10	-	All	All	All
Hardware	Cisco	Catalyst 4500 Supervisor Engine 7l-e K10	-	All	All	All
Hardware	Cisco	Catalyst 4500 Supervisor Engine 7l-e K10	-	All	All	All
Hardware	Cisco	Catalyst 4500 Supervisor Engine 7l-e K10	-	All	All	All
Hardware	Cisco	Catalyst 4900m Switch K5	-	All	All	All
Hardware	Cisco	Catalyst 4900m Switch K5	-	All	All	All
Hardware	Cisco	Catalyst 4900m Switch K5	-	All	All	All
Hardware	Cisco	Catalyst 4948e Ethernet Switch K5	-	All	All	All
Hardware	Cisco	Catalyst 4948e Ethernet Switch K5	-	All	All	All
Hardware	Cisco	Catalyst 4948e Ethernet Switch K5	-	All	All	All
Operating System	Cisco	ios	3.6(2)e	All	All	All
Operating System	Cisco	ios	3.6(2)e	All	All	All
Operating System	Cisco	ios	3.6(2)e	All	All	All
Operating System	Cisco	ios Xe	3.6(2)e	All	All	All
Operating System	Cisco	ios Xe	3.6(2)e	All	All	All
Operating System	Cisco	ios Xe	3.6(2)e	All	All	All
Hardware	Rockwellautomation	Allen-bradley Stratix 8300 Industrial Managed Ethernet Switch	-	All	All	All
Hardware	Rockwellautomation	Allen-bradley Stratix 8300 Industrial Managed Ethernet Switch	-	All	All	All

References

Reference

Rockwell Automation Stratix Industrial Managed Ethernet Switch | ICS-CERT

Cisco IOS and IOS XE Software CVE-2018-0155 Denial of Service Vulnerability

Cisco IOS and IOS XE Software Bidirectional Forwarding Detection Denial of Service Vulnerability

Cisco Catalyst 4500 and 4500-X Series Switches Bidirectional Forwarding Detection Error Handling Bug Lets Remote Users Cause the Target

CVE Program record

NVD vulnerability detail

CISA Known Exploited Vulnerabilities catalog



No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[590339](#) Rockwell Automation Stratix Industrial Managed Ethernet Switch Multiple Vulnerabilities (ICSA-18-107-05)

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