CVE-2016-6455

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Summary

CVE	CVE-2016-6455
State	PUBLISHED
Assigner	cisco
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-11-03 21:59:10 UTC
Updated	2026-05-06 22:30:45 UTC
Description	A vulnerability in the Slowpath of StarOS for Cisco ASR 5500 Series routers with Data Processing Card 2 (DPC2) could allo

Risk And Classification

Primary CVSS: v3.0 7.5 HIGH from nvd@nist.gov

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

EPSS: 0.012430000 probability, percentile 0.793830000 (date 2026-05-08)

Problem Types: CWE-399 | unspecified

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	7.5	HIGH	CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
2.0	nvd@nist.gov	Primary	5		AV:N/AC:L/Au:N/C:N/I:N/A:P

CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

None

Availability

High

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Partial

AV:N/AC:L/Au:N/C:N/I:N/A:P

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Cisco	Asr 5000 Software	18.0.0	All	All	All
Operating System	Cisco	Asr 5000 Software	18.0.0.57828	All	All	All
Operating System	Cisco	Asr 5000 Software	18.0.0.59167	All	All	All
Operating System	Cisco	Asr 5000 Software	18.0.0.59211	All	All	All
Operating System	Cisco	Asr 5000 Software	18.0.l0.59219	All	All	All
Operating System	Cisco	Asr 5000 Software	18.1.0	All	All	All
Operating System	Cisco	Asr 5000 Software	18.1.0.59776	All	All	All
Operating System	Cisco	Asr 5000 Software	18.1.0.59780	All	All	All
Operating System	Cisco	Asr 5000 Software	18.1_base	All	All	All
Operating System	Cisco	Asr 5000 Software	18.3.0	All	All	All
Operating System	Cisco	Asr 5000 Software	18.3_base	All	All	All
Operating System	Cisco	Asr 5000 Software	18.4.0	All	All	All
Operating System	Cisco	Asr 5000 Software	19.0.1	All	All	All
Operating System	Cisco	Asr 5000 Software	19.0.m0.60737	All	All	All
Operating System	Cisco	Asr 5000 Software	19.0.m0.60828	All	All	All
Operating System	Cisco	Asr 5000 Software	19.0.m0.61045	All	All	All

Operating System	Cisco	Asr 5000 Software	19.1.0	All	All	All
Operating System	Cisco	Asr 5000 Software	19.1.0.61559	All	All	All
Operating System	Cisco	Asr 5000 Software	19.2.0	All	All	All
Operating System	Cisco	Asr 5000 Software	19.3.0	All	All	All
Operating System	Cisco	Asr 5000 Software	20.0.0	All	All	All
Hardware	Cisco	Asr 5500	-	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	Cisco StarOS 18.x Through 21.x	affected Cisco StarOS 18.x through 21.x	Not specified

References

Reference
Cisco StarOS for ASR 5500 Series Routers CVE-2016-6455 Remote Denial of Service Vulnerability
Cisco ASR 5500 Series Router Fragmented Packet Processing Bug in StarOS Slowpath Lets Remote Users Deny Service - SecurityTracker
Cisco ASR 5500 Series with DPC2 Cards SESSMGR Denial of Service Vulnerability
CVE Program record
NVD vulnerability detail

No vendor comments have been submitted for this CVE.

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