



Cisco Small Business RV Series Routers Command Injection Vulnerability

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

Summary

CVE	CVE-2023-20118
State	PUBLIC
Assigner	psirt@cisco.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-04-13 07:15:00 UTC
Updated	2024-01-25 17:15:00 UTC
Description	A vulnerability in the web-based management interface of Cisco Small Business Routers RV016, RV042, RV042G, RV082,

Risk And Classification

EPSS: 0.038270000 probability, percentile 0.882130000 (date 2026-05-10)

CISA KEV: Listed on 2025-03-03; due 2025-03-24; ransomware use Unknown

Problem Types: CWE-20

CISA Known Exploited Vulnerability

Vendor	Cisco
Product	Small Business RV Series Routers
Name	Cisco Small Business RV Series Routers Command Injection Vulnerability
Required Action	Apply mitigations per vendor instructions, follow applicable BOD 22-01 guidance for cloud services, or discontinue use of the product if mitigations are unavailable.
Notes	https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-sbr042-multi-vuln-ej76Pke5 ; https://nvd.nist.gov/vuln/detail/CVE-2023-20118

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Cisco	Rv016	-	All	All	All
Operating System	Cisco	Rv016 Firmware	1.5.1.13	All	All	All
Operating System	Cisco	Rv016 Firmware	4.2.3.08	All	All	All
Hardware	Cisco	Rv042	-	All	All	All
Hardware	Cisco	Rv042g	-	All	All	All
Operating System	Cisco	Rv042g Firmware	1.5.1.13	All	All	All

Operating System	Cisco	Rv042g Firmware	1.5.1.13	All	All	All
Operating System	Cisco	Rv042g Firmware	4.2.3.08	All	All	All
Operating System	Cisco	Rv042 Firmware	1.5.1.13	All	All	All
Operating System	Cisco	Rv042 Firmware	4.2.3.08	All	All	All
Hardware	Cisco	Rv082	-	All	All	All
Operating System	Cisco	Rv082 Firmware	1.5.1.13	All	All	All
Operating System	Cisco	Rv082 Firmware	4.2.3.08	All	All	All
Hardware	Cisco	Rv320	-	All	All	All
Operating System	Cisco	Rv320 Firmware	1.5.1.13	All	All	All
Operating System	Cisco	Rv320 Firmware	4.2.3.08	All	All	All
Hardware	Cisco	Rv325	-	All	All	All
Operating System	Cisco	Rv325 Firmware	1.5.1.13	All	All	All
Operating System	Cisco	Rv325 Firmware	4.2.3.08	All	All	All

References		
Reference	Source	Link
Cisco Small Business RV016, RV042, RV042G, RV082, RV320, and RV325 Routers Vulnerabilities	MISC	sec.cloudapps.cisco.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov
CISA Known Exploited Vulnerabilities catalog	CISA	www.cisa.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings
730764 Cisco Small Business RV (016 042 42G 082 320 325) Routers Remote Command Execution Vulnerability (cisco-sa-sbr042-multi-vuln-ej76Pke5)