



CVE-2020-3451

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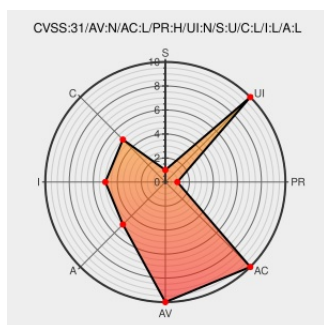
CVE-2020-3451 - advisory for cisco-sa-rv-osinj-rce-pwTkPCJv

Source: [Mitre](#)

Source: [NIST](#)

[CVE.ORG](#)

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Certain versions of [Rv340](#) from [Cisco](#) contain the following vulnerability:

Multiple vulnerabilities in the web-based management interface of Cisco Small Business RV340 Series Routers could allow an authenticated, remote attacker with administrative credentials to execute arbitrary commands on the underlying operating system (OS) as a restricted user. For more information about these vulnerabilities, see the Details section of this advisory.

CVE-2020-3451 has been assigned by [psirt@cisco.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

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.

Affected Vendor/Software: [Cisco](#) - **Cisco Small Business RV Series Router Firmware** version **n/a**

CVSS3 Score: **4.7 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	HIGH	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	LOW	LOW	LOW

CVSS2 Score: **6.5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	SINGLE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
ZDI-20-1100 Zero Day Initiative	Third Party Advisory www.zerodayinitiative.com text/html	Z MISC www.zerodayinitiative.com/advisories/ZDI-20-1100/
Cisco Small Business RV340 Series Routers Command Injection and Remote Code Execution Vulnerabilities	Vendor Advisory tools.cisco.com text/html	CISCO 20200902 Cisco Small Business RV340 Series Routers Command Injection and Remote Code Execution Vulnerabilities

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There are currently no QIDs associated with this CVE

Exploit/POC from Github

PoC for exploiting CVE-2020-3451 : Multiple vulnerabilities in the web-based management interface of Cisco Small Busi...

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware 	Cisco	Rv340	-	All	All	All
Hardware 	Cisco	Rv340	-	All	All	All
Hardware 	Cisco	Rv340w	-	All	All	All
Hardware 	Cisco	Rv340w	-	All	All	All
Operating System	Cisco	Rv340w Firmware	All	All	All	All
Operating System	Cisco	Rv340w Firmware	All	All	All	All
Operating System	Cisco	Rv340 Firmware	All	All	All	All
Operating System	Cisco	Rv340 Firmware	All	All	All	All
Hardware 	Cisco	Rv345	-	All	All	All
Hardware 	Cisco	Rv345	-	All	All	All
Hardware 	Cisco	Rv345p	-	All	All	All
Hardware 	Cisco	Rv345p	-	All	All	All
Operating System	Cisco	Rv345p Firmware	All	All	All	All
Operating	Cisco	Rv345p Firmware	All	All	All	All

System						
Operating System	Cisco	Rv345 Firmware	All	All	All	All
Operating System	Cisco	Rv345 Firmware	All	All	All	All
cpe:2.3:h:cisco:rv340:-:~::~~::~~::~~::~~::~~::~~::						
cpe:2.3:h:cisco:rv340:-:~::~~::~~::~~::~~::~~::~~::						
cpe:2.3:h:cisco:rv340w:-:~::~~::~~::~~::~~::~~::~~::						
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No vendor comments have been submitted for this CVE

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