



# CVE-2021-1327

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## CVE-2021-1327 - advisory for cisco-sa-rv-overflow-ghZP68yj

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:31/AV:N/AC:L/PR:H/UI:N/S:U/C:H/I:H/A:H



Certain versions of [Rv016 Multi-wan Vpn Router](#) from [Cisco](#) contain the following vulnerability:

Multiple vulnerabilities in the web-based management interface of Cisco Small Business RV016, RV042, RV042G, RV082, RV320, and RV325 Routers could allow an authenticated, remote attacker to execute arbitrary code or cause an affected device to restart unexpectedly. These vulnerabilities are due to improper validation of

user-supplied input in the web-based management interface. An attacker could exploit these vulnerabilities by sending crafted HTTP requests to an affected device. A successful exploit could allow the attacker to execute arbitrary code as the root user on the underlying operating system or cause the device to reload, resulting in a denial of service (DoS) condition. To exploit these vulnerabilities, an attacker would need to have valid administrator credentials on the affected device.

CVE-2021-1327 has been assigned by [Cisco](#) psirt@cisco.com to track the vulnerability - currently rated as **HIGH** severity.

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

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

CVSS3 Score: **7.2 - HIGH**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>LOW</b>             | <b>HIGH</b>         | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>HIGH</b>            | <b>HIGH</b>         | <b>HIGH</b>         |

CVSS2 Score: **9 - HIGH**

| Access Vector | Access Complexity | Authentication |
|---------------|-------------------|----------------|
|---------------|-------------------|----------------|

|                        |                  |                     |
|------------------------|------------------|---------------------|
| NETWORK                | LOW              | SINGLE              |
| Confidentiality Impact | Integrity Impact | Availability Impact |
| COMPLETE               | COMPLETE         | COMPLETE            |

### CVE References

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tags                                                                                            | Link                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cisco Small Business RV Series Routers Management Interface Remote Command Execution and Denial of Service Vulnerabilities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Vendor Advisory</a><br><a href="#">tools.cisco.com</a><br><a href="#">text/html</a> | <a href="#">CISCO 20210203 Cisco Small Business RV Series Routers Management Interface Remote Command Execution and Denial of Service Vulnerabilities</a> |
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There are currently no QIDs associated with this CVE

### Known Affected Configurations (CPE V2.3)

| Type                                                                                         | Vendor | Product                                                     | Version | Update | Edition | Language |
|----------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------|---------|--------|---------|----------|
| Hardware  | Cisco  | <a href="#">Rv016 Multi-wan Vpn Router</a>                  | -       | All    | All     | All      |
| Hardware  | Cisco  | <a href="#">Rv016 Multi-wan Vpn Router</a>                  | -       | All    | All     | All      |
| Hardware  | Cisco  | <a href="#">Rv016 Multi-wan Vpn Router</a>                  | -       | All    | All     | All      |
| Operating System                                                                             | Cisco  | <a href="#">Rv016 Multi-wan Vpn Router Firmware</a>         | All     | All    | All     | All      |
| Hardware  | Cisco  | <a href="#">Rv042g Dual Gigabit Wan Vpn Router</a>          | -       | All    | All     | All      |
| Hardware  | Cisco  | <a href="#">Rv042g Dual Gigabit Wan Vpn Router</a>          | -       | All    | All     | All      |
| Hardware  | Cisco  | <a href="#">Rv042g Dual Gigabit Wan Vpn Router</a>          | -       | All    | All     | All      |
| Operating System                                                                             | Cisco  | <a href="#">Rv042g Dual Gigabit Wan Vpn Router Firmware</a> | All     | All    | All     | All      |
| Hardware  | Cisco  | <a href="#">Rv042 Dual Wan Vpn Router</a>                   | -       | All    | All     | All      |
| Hardware  | Cisco  | <a href="#">Rv042 Dual Wan Vpn Router</a>                   | -       | All    | All     | All      |
| Hardware  | Cisco  | <a href="#">Rv042 Dual Wan Vpn Router</a>                   | -       | All    | All     | All      |
| Operating System                                                                             | Cisco  | <a href="#">Rv042 Dual Wan Vpn Router Firmware</a>          | All     | All    | All     | All      |
| Hardware  | Cisco  | <a href="#">Rv082 Dual Wan Vpn Router</a>                   | -       | All    | All     | All      |
| Hardware  | Cisco  | <a href="#">Rv082 Dual Wan Vpn Router</a>                   | -       | All    | All     | All      |
| Hardware  | Cisco  | <a href="#">Rv082 Dual Wan Vpn Router</a>                   | -       | All    | All     | All      |
| Operating System                                                                             | Cisco  | <a href="#">Rv082 Dual Wan Vpn Router Firmware</a>          | All     | All    | All     | All      |

|                                                                    |       |                                            |     |     |     |     |
|--------------------------------------------------------------------|-------|--------------------------------------------|-----|-----|-----|-----|
| Hardware                                                           | Cisco | Rv320 Dual Gigabit Wan Vpn Router          | -   | All | All | All |
| Hardware                                                           | Cisco | Rv320 Dual Gigabit Wan Vpn Router          | -   | All | All | All |
| Hardware                                                           | Cisco | Rv320 Dual Gigabit Wan Vpn Router          | -   | All | All | All |
| Operating System                                                   | Cisco | Rv320 Dual Gigabit Wan Vpn Router Firmware | All | All | All | All |
| Hardware                                                           | Cisco | Rv325 Dual Gigabit Wan Vpn Router          | -   | All | All | All |
| Hardware                                                           | Cisco | Rv325 Dual Gigabit Wan Vpn Router          | -   | All | All | All |
| Hardware                                                           | Cisco | Rv325 Dual Gigabit Wan Vpn Router          | -   | All | All | All |
| Operating System                                                   | Cisco | Rv325 Dual Gigabit Wan Vpn Router Firmware | All | All | All | All |
| cpe:2.3:h:cisco:rv016_multi-wan_vpn_router:-:~::~:                 |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv016_multi-wan_vpn_router:-:~::~:                 |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv016_multi-wan_vpn_router:-:~::~:                 |       |                                            |     |     |     |     |
| cpe:2.3:o:cisco:rv016_multi-wan_vpn_router_firmware:*~::~:         |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv042g_dual_gigabit_wan_vpn_router:-:~::~:         |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv042g_dual_gigabit_wan_vpn_router:-:~::~:         |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv042g_dual_gigabit_wan_vpn_router:-:~::~:         |       |                                            |     |     |     |     |
| cpe:2.3:o:cisco:rv042g_dual_gigabit_wan_vpn_router_firmware:*~::~: |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv042_dual_wan_vpn_router:-:~::~:                  |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv042_dual_wan_vpn_router:-:~::~:                  |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv042_dual_wan_vpn_router:-:~::~:                  |       |                                            |     |     |     |     |
| cpe:2.3:o:cisco:rv042_dual_wan_vpn_router_firmware:*~::~:          |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv082_dual_wan_vpn_router:-:~::~:                  |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv082_dual_wan_vpn_router:-:~::~:                  |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv082_dual_wan_vpn_router:-:~::~:                  |       |                                            |     |     |     |     |
| cpe:2.3:o:cisco:rv082_dual_wan_vpn_router_firmware:*~::~:          |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv320_dual_gigabit_wan_vpn_router:-:~::~:          |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv320_dual_gigabit_wan_vpn_router:-:~::~:          |       |                                            |     |     |     |     |
| cpe:2.3:h:cisco:rv320_dual_gigabit_wan_vpn_router:-:~::~:          |       |                                            |     |     |     |     |
| cpe:2.3:o:cisco:rv320_dual_gigabit_wan_vpn_router_firmware:*~::~:  |       |                                            |     |     |     |     |

