



# CVE-2022-22195

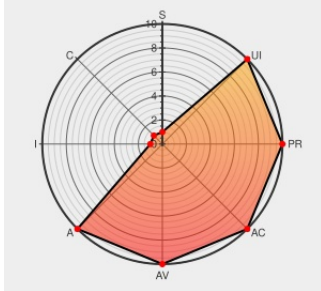
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## CVE-2022-22195 - advisory for JSA69508

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

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



Certain versions of **Junos Os Evolved** from **Juniper** contain the following vulnerability:

An Improper Update of Reference Count vulnerability in the kernel of Juniper Networks Junos OS Evolved allows an unauthenticated, network-based attacker to trigger a counter overflow, eventually causing a Denial of Service (DoS). This issue affects Juniper Networks Junos OS Evolved: All versions prior to 20.4R3-S1-EVO; 21.1 versions prior to 21.1R3-EVO; 21.2 versions prior to 21.2R3-EVO; 21.3 versions prior to 21.3R2-EVO. This issue does not affect Juniper Networks Junos OS.

CVE-2022-22195 has been assigned by sirt@juniper.net to track the vulnerability - currently rated as **HIGH** severity.

Juniper SIRT is not aware of any malicious exploitation of this vulnerability.

Affected Vendor/Software: **Juniper Networks - Junos OS Evolved** version < **20.4R3-S1-EVO**

Affected Vendor/Software: **Juniper Networks - Junos OS Evolved** version < **21.1R3-EVO**

Affected Vendor/Software: **Juniper Networks - Junos OS Evolved** version < **21.2R3-EVO**

Affected Vendor/Software: **Juniper Networks - Junos OS Evolved** version < **21.3R2-EVO**

Affected Vendor/Software: **Juniper Networks - Junos OS** version ! any

### Vulnerability Patch/Work Around

There are no viable workarounds for this issue. To reduce the risk of exploitation of this issue, use access lists or firewall filters to limit access to only trusted networks, hosts and users.

CVSS3 Score: **7.5 - HIGH**

Attack  
Vector

**NETWORK**

Attack  
Complexity

**LOW**

Privileges  
Required

**NONE**

User  
Interaction

**NONE**

Scope

Confidentiality

Integrity

Availability

| Impact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         | Impact                                                                                     |         | Impact                                                                                                                                                          |         |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|
| UNCHANGED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         | NONE                                                                                       |         | NONE                                                                                                                                                            |         |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                            |         | HIGH                                                                                                                                                            |         |          |
| CVSS2 Score: 7.8 - HIGH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |                                                                                            |         |                                                                                                                                                                 |         |          |
| Access Vector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                         | Access Complexity                                                                          |         | Authentication                                                                                                                                                  |         |          |
| NETWORK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         | LOW                                                                                        |         | NONE                                                                                                                                                            |         |          |
| Confidentiality Impact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         | Integrity Impact                                                                           |         | Availability Impact                                                                                                                                             |         |          |
| NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                         | NONE                                                                                       |         | COMPLETE                                                                                                                                                        |         |          |
| CVE References                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |                                                                                            |         |                                                                                                                                                                 |         |          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         | Tags                                                                                       |         | Link                                                                                                                                                            |         |          |
| CEC Juniper Community                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         | <a href="https://kb.juniper.net/text/html">kb.juniper.net</a><br><a href="#">text/html</a> |         |  CONFIRM <a href="https://kb.juniper.net/JSA69508">kb.juniper.net/JSA69508</a> |         |          |
| <p>By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to <a href="mailto:comment@cve.report">comment@cve.report</a>.</p> |                         |                                                                                            |         |                                                                                                                                                                 |         |          |
| There are currently no QIDs associated with this CVE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                         |                                                                                            |         |                                                                                                                                                                 |         |          |
| Known Affected Configurations (CPE V2.3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                         |                                                                                            |         |                                                                                                                                                                 |         |          |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Vendor                  | Product                                                                                    | Version | Update                                                                                                                                                          | Edition | Language |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a>                                                           | All     | All                                                                                                                                                             | All     | All      |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a>                                                           | 20.4    | r1                                                                                                                                                              | All     | All      |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a>                                                           | 20.4    | r1-s1                                                                                                                                                           | All     | All      |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a>                                                           | 20.4    | r1-s2                                                                                                                                                           | All     | All      |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a>                                                           | 20.4    | r2                                                                                                                                                              | All     | All      |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a>                                                           | 20.4    | r2-s1                                                                                                                                                           | All     | All      |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a>                                                           | 20.4    | r2-s2                                                                                                                                                           | All     | All      |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a>                                                           | 20.4    | r2-s3                                                                                                                                                           | All     | All      |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a>                                                           | 20.4    | r3                                                                                                                                                              | All     | All      |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a>                                                           | 21.1    | r1                                                                                                                                                              | All     | All      |

|                                                              |         |                  |      |       |     |     |
|--------------------------------------------------------------|---------|------------------|------|-------|-----|-----|
| Operating System                                             | Juniper | Junos Os Evolved | 21.1 | r1-s1 | All | All |
| Operating System                                             | Juniper | Junos Os Evolved | 21.1 | r2    | All | All |
| Operating System                                             | Juniper | Junos Os Evolved | 21.2 | r1    | All | All |
| Operating System                                             | Juniper | Junos Os Evolved | 21.2 | r1-s1 | All | All |
| Operating System                                             | Juniper | Junos Os Evolved | 21.2 | r2    | All | All |
| Operating System                                             | Juniper | Junos Os Evolved | 21.3 | r1    | All | All |
| Operating System                                             | Juniper | Junos Os Evolved | 21.3 | r1-s1 | All | All |
| cpe:2.3:o:juniper:junos_os_evolved:*.***.***.***:            |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:20.4:r1:*.***.***.***:    |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:20.4:r1-s1:*.***.***.***: |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:20.4:r1-s2:*.***.***.***: |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:20.4:r2:*.***.***.***:    |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:20.4:r2-s1:*.***.***.***: |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:20.4:r2-s2:*.***.***.***: |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:20.4:r2-s3:*.***.***.***: |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:20.4:r3:*.***.***.***:    |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:21.1:r1:*.***.***.***:    |         |                  |      |       |     |     |
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| cpe:2.3:o:juniper:junos_os_evolved:21.1:r2:*.***.***.***:    |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:21.2:r1:*.***.***.***:    |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:21.2:r1-s1:*.***.***.***: |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:21.2:r2:*.***.***.***:    |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:21.3:r1:*.***.***.***:    |         |                  |      |       |     |     |
| cpe:2.3:o:juniper:junos_os_evolved:21.3:r1-s1:*.***.***.***: |         |                  |      |       |     |     |

No vendor comments have been submitted for this CVE

Social Mentions

| Source                                                                                      | Title                                                                                                                                                                                                    | Posted (UTC)           |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
|  @CVEreport | CVE-2022-22195 : An Improper Update of Reference Count vulnerability in the #kernel of Juniper Networks Junos OS Ev... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a> | 2022-04-14<br>15:58:19 |
|  /r/netcve  | <a href="#">CVE-2022-22195</a>                                                                                                                                                                           | 2022-04-14<br>16:38:50 |

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