



# CVE-2022-22208

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

## Summary

|                        |                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2022-22208                                                                                                        |
| <b>State</b>           | PUBLIC                                                                                                                |
| <b>Assigner</b>        | sirt@juniper.net                                                                                                      |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback                                                                          |
| <b>Published</b>       | 2022-10-18 03:15:00 UTC                                                                                               |
| <b>Updated</b>         | 2023-06-27 18:22:00 UTC                                                                                               |
| <b>Description</b>     | A Use After Free vulnerability in the Routing Protocol Daemon (rdp) of Juniper Networks Junos OS and Junos OS Evolved |

## Risk And Classification

### Problem Types: CWE-362

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                  | Product               | Version | Update | Edition | Language |
|------------------|-------------------------|-----------------------|---------|--------|---------|----------|
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | All     | All    | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | -      | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r1     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r1-s1  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r1-s2  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r1-s3  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r1-s4  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r1-s5  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r1-s6  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r1-s7  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r2     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r2-s1  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r2-s10 | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r2-s2  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r2-s3  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r2-s4  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4    | r2-s5  | All     | All      |

|                  |                         |                       |      |        |     |     |
|------------------|-------------------------|-----------------------|------|--------|-----|-----|
|                  |                         |                       |      |        |     |     |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4 | r2-s6  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4 | r2-s7  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4 | r2-s8  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.4 | r3-s11 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | -      | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r1     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r1-s1  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r1-s2  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r1-s3  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r1-s4  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r1-s5  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r1-s6  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r2     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r2-s1  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r2-s2  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r2-s3  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r3     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r3-s1  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r3-s2  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r3-s3  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r3-s4  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r3-s5  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r3-s6  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.1 | r3-s7  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.2 | -      | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.2 | r1     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | -      | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r1     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r1-s1  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r2     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r2-s1  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r2-s2  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r2-s3  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r2-s4  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r2-s5  | All | All |

|                  |                         |                       |      |       |     |     |
|------------------|-------------------------|-----------------------|------|-------|-----|-----|
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r2-s6 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r3-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r3-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r3-s3 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.3 | r3-s4 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | -     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r1-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r1-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r1-s3 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r1-s4 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r2    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r2-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r2-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r2-s3 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r2-s4 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r2-s5 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r3-s6 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.1 | -     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.1 | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.2 | -     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.2 | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.2 | r1-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.2 | r1-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.2 | r1-s3 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.2 | r2    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.2 | r2-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.2 | r2-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.2 | r2-s3 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.2 | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.2 | r3-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.2 | r3-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.3 | -     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.3 | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.3 | r1    | All | All |

|                  |                         |                                  |      |       |     |     |
|------------------|-------------------------|----------------------------------|------|-------|-----|-----|
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 20.3 | r1-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 20.3 | r1-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 20.3 | r2    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 20.3 | r2-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 20.3 | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 20.3 | r3-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 20.4 | -     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 20.4 | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 20.4 | r1-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 20.4 | r2    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 20.4 | r2-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 20.4 | r2-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 20.4 | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.1 | -     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.1 | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.1 | r1-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.1 | r2    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.1 | r2-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.1 | r2-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.1 | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.1 | r3-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.1 | r3-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.2 | -     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.2 | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.2 | r1-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.2 | r1-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.2 | r2    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>            | 21.2 | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.1 | -     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.1 | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.1 | r1-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.1 | r2    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.1 | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.1 | r3-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.2 | -     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.2 | r1    | All | All |

|                  |                         |                                  |      |       |     |     |
|------------------|-------------------------|----------------------------------|------|-------|-----|-----|
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.2 | r1-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.2 | r1-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.2 | r2    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.2 | r2-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.2 | r2-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.3 | -     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.3 | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos Os Evolved</a> | 21.3 | r1-s1 | All | All |

| References               |         |                                |                     |
|--------------------------|---------|--------------------------------|---------------------|
| Reference                | Source  | Link                           | Tags                |
| CEC Juniper Community    | CONFIRM | <a href="#">kb.juniper.net</a> |                     |
| CVE Program record       | CVE.ORG | <a href="#">www.cve.org</a>    | canonical           |
| NVD vulnerability detail | NVD     | <a href="#">nvd.nist.gov</a>   | canonical, analysis |

No vendor comments have been submitted for this CVE.

| Legacy QID Mappings                                                                                                |
|--------------------------------------------------------------------------------------------------------------------|
| <a href="#">43971</a> Juniper Network Operating System (Junos OS) Denial of Service (DoS) Vulnerability (JSA69879) |