



# CVE-2021-31371

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

## Summary

|                        |   |
|------------------------|---|
| <b>CVE</b>             | CVE-2021-31371  |
| <b>State</b>           | PUBLIC  |
| <b>Assigner</b>        | sirt@juniper.net  |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback  |
| <b>Published</b>       | 2021-10-19 19:15:00 UTC   |
| <b>Updated</b>         | 2022-05-13 17:22:00 UTC   |
| <b>Description</b>     | Juniper Networks Junos OS uses the 128.0.0.0/2 subnet for internal communications between the RE and PFEs. It was dis |

## Risk And Classification

**Problem Types:** NVD-CWE-noinfo

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                  | Product               | Version | Update | Edition | Language |
|------------------|-------------------------|-----------------------|---------|--------|---------|----------|
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | -      | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r1     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r1-s1  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r1-s4  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r2     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r2-s1  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r2-s2  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r2-s3  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r2-s4  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r2-s5  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r3     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r3-s1  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r3-s10 | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r3-s11 | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r3-s2  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r3-s3  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | r3-s4  | All     | All      |

|                  |                         |                       |      |        |     |     |
|------------------|-------------------------|-----------------------|------|--------|-----|-----|
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3 | r3-s5  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3 | r3-s6  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3 | r3-s7  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3 | r3-s8  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3 | r3-s9  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | -      | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r1     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r2     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r2-s1  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r2-s2  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r2-s4  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r3     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r3-s1  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r3-s10 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r3-s11 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r3-s12 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r3-s2  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r3-s3  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r3-s4  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r3-s5  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r3-s6  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r3-s7  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r3-s8  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.1 | r3-s9  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.3 | -      | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.3 | r1     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.3 | r1-s1  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.3 | r1-s2  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.3 | r1-s3  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.3 | r1-s4  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.3 | r1-s5  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.3 | r1-s6  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.3 | r2     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.3 | r2-s1  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 18.3 | r2-s2  | All | All |

|                  |         |       |      |       |     |     |
|------------------|---------|-------|------|-------|-----|-----|
| Operating System | Juniper | Junos | 18.3 | r2-s3 | All | All |
| Operating System | Juniper | Junos | 18.3 | r2-s4 | All | All |
| Operating System | Juniper | Junos | 18.3 | r3    | All | All |
| Operating System | Juniper | Junos | 18.3 | r3-s1 | All | All |
| Operating System | Juniper | Junos | 18.3 | r3-s2 | All | All |
| Operating System | Juniper | Junos | 18.3 | r3-s3 | All | All |
| Operating System | Juniper | Junos | 18.3 | r3-s4 | All | All |
| Operating System | Juniper | Junos | 19.1 | -     | All | All |
| Operating System | Juniper | Junos | 19.1 | r1    | All | All |
| Operating System | Juniper | Junos | 19.1 | r1-s1 | All | All |
| Operating System | Juniper | Junos | 19.1 | r1-s2 | All | All |
| Operating System | Juniper | Junos | 19.1 | r1-s3 | All | All |
| Operating System | Juniper | Junos | 19.1 | r1-s4 | All | All |
| Operating System | Juniper | Junos | 19.1 | r1-s5 | All | All |
| Operating System | Juniper | Junos | 19.1 | r1-s6 | All | All |
| Operating System | Juniper | Junos | 19.1 | r2    | All | All |
| Operating System | Juniper | Junos | 19.1 | r2-s1 | All | All |
| Operating System | Juniper | Junos | 19.1 | r2-s2 | All | All |
| Operating System | Juniper | Junos | 19.1 | r2-s3 | All | All |
| Operating System | Juniper | Junos | 19.1 | r3    | All | All |
| Operating System | Juniper | Junos | 19.1 | r3-s1 | All | All |
| Operating System | Juniper | Junos | 19.1 | r3-s2 | All | All |
| Operating System | Juniper | Junos | 19.1 | r3-s3 | All | All |
| Operating System | Juniper | Junos | 19.1 | r3-s4 | All | All |
| Operating System | Juniper | Junos | 19.1 | r3-s5 | All | All |
| Operating System | Juniper | Junos | 19.2 | -     | All | All |
| Operating System | Juniper | Junos | 19.2 | r1    | All | All |
| Operating System | Juniper | Junos | 19.2 | r1-s1 | All | All |
| Operating System | Juniper | Junos | 19.2 | r1-s2 | All | All |
| Operating System | Juniper | Junos | 19.2 | r1-s3 | All | All |
| Operating System | Juniper | Junos | 19.2 | r1-s4 | All | All |
| Operating System | Juniper | Junos | 19.2 | r1-s5 | All | All |
| Operating System | Juniper | Junos | 19.2 | r1-s6 | All | All |
| Operating System | Juniper | Junos | 19.2 | r2    | All | All |
| Operating System | Juniper | Junos | 19.2 | r2-s1 | All | All |

|                  |                         |                       |      |       |     |     |
|------------------|-------------------------|-----------------------|------|-------|-----|-----|
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.2 | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.2 | r3-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.2 | r3-s2 | 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 | 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> | 19.4 | 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 | 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    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r3-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r3-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r3-s3 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 19.4 | r3-s4 | 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> | 20.1 | r1-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.1 | r1-s2 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.1 | r1-s3 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.1 | r1-s4 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 20.1 | r2    | All | All |

|                  |                         |                         |      |       |     |     |
|------------------|-------------------------|-------------------------|------|-------|-----|-----|
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>   | 20.1 | r2-s1 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>   | 20.1 | r3    | 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>   | 20.3 | 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 | 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>   | 20.4 | 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>   | 21.1 | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>   | All  | All   | All | All |
| Hardware         | <a href="#">Juniper</a> | <a href="#">Qfx5100</a> | -    | All   | All | All |
| Hardware         | <a href="#">Juniper</a> | <a href="#">Qfx5110</a> | -    | All   | All | All |
| Hardware         | <a href="#">Juniper</a> | <a href="#">Qfx5120</a> | -    | All   | All | All |
| Hardware         | <a href="#">Juniper</a> | <a href="#">Qfx5200</a> | -    | All   | All | All |
| Hardware         | <a href="#">Juniper</a> | <a href="#">Qfx5210</a> | -    | All   | All | All |

## References

### Reference

2021-10 Security Bulletin: Junos OS: QFX5110 Series: Traffic from the network internal to the device (128.0.0.0) may be forwarded to egress

CVE Program record

NVD vulnerability detail

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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