



# CVE-2021-0295

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

## Summary

|                        |  |
|------------------------|--|
| <b>CVE</b>             | CVE-2021-0295  |
| <b>State</b>           | PUBLIC   |
| <b>Assigner</b>        | sirt@juniper.net   |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback   |
| <b>Published</b>       | 2021-07-15 20:15:00 UTC  |
| <b>Updated</b>         | 2021-07-28 19:13:00 UTC  |
| <b>Description</b>     | A vulnerability in the Distance Vector Multicast Routing Protocol (DVMRP) of Juniper Networks Junos OS on the QFX10K S |

## Risk And Classification

**Problem Types:** CWE-697

## 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     | -       | 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> | 17.4 | -      | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r1     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r1-s1  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r1-s2  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r1-s3  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r1-s4  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r1-s5  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r1-s6  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r1-s7  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r2     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r2-s1  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r2-s10 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r2-s11 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r2-s12 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r2-s2  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r2-s3  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r2-s4  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r2-s5  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r2-s6  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r2-s7  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r2-s8  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r2-s9  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r3     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r3-s1  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r3-s2  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r3-s3  | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4 | r3-s4  | 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 | Juniper | Junos | 18.1 | r2     | All | All |
| Operating System | Juniper | Junos | 18.1 | r2-s1  | All | All |
| Operating System | Juniper | Junos | 18.1 | r2-s2  | All | All |
| Operating System | Juniper | Junos | 18.1 | r2-s4  | All | All |
| Operating System | Juniper | Junos | 18.1 | r3     | All | All |
| Operating System | Juniper | Junos | 18.1 | r3-s1  | All | All |
| Operating System | Juniper | Junos | 18.1 | r3-s10 | All | All |
| Operating System | Juniper | Junos | 18.1 | r3-s11 | All | All |
| Operating System | Juniper | Junos | 18.1 | r3-s12 | All | All |
| Operating System | Juniper | Junos | 18.1 | r3-s2  | All | All |
| Operating System | Juniper | Junos | 18.1 | r3-s3  | All | All |
| Operating System | Juniper | Junos | 18.1 | r3-s4  | All | All |
| Operating System | Juniper | Junos | 18.1 | r3-s5  | All | All |
| Operating System | Juniper | Junos | 18.1 | r3-s6  | All | All |
| Operating System | Juniper | Junos | 18.1 | r3-s7  | All | All |
| Operating System | Juniper | Junos | 18.1 | r3-s8  | All | All |
| Operating System | Juniper | Junos | 18.1 | r3-s9  | All | All |
| Operating System | Juniper | Junos | 18.2 | r2     | All | All |
| Operating System | Juniper | Junos | 18.2 | r2-s1  | All | All |
| Operating System | Juniper | Junos | 18.2 | r2-s2  | All | All |
| Operating System | Juniper | Junos | 18.2 | r2-s3  | All | All |
| Operating System | Juniper | Junos | 18.2 | r2-s4  | All | All |
| Operating System | Juniper | Junos | 18.2 | r2-s5  | All | All |
| Operating System | Juniper | Junos | 18.2 | r2-s6  | All | All |
| Operating System | Juniper | Junos | 18.2 | r2-s7  | All | All |
| Operating System | Juniper | Junos | 18.2 | r3     | All | All |
| Operating System | Juniper | Junos | 18.2 | r3-s1  | All | All |
| Operating System | Juniper | Junos | 18.2 | r3-s2  | All | All |
| Operating System | Juniper | Junos | 18.2 | r3-s3  | All | All |
| Operating System | Juniper | Junos | 18.2 | r3-s4  | All | All |
| Operating System | Juniper | Junos | 18.2 | r3-s5  | All | All |
| Operating System | Juniper | Junos | 18.2 | r3-s6  | All | All |
| Operating System | Juniper | Junos | 18.2 | r3-s7  | All | All |
| Operating System | Juniper | Junos | 18.3 | -      | All | All |
| Operating System | Juniper | Junos | 18.3 | r1     | All | All |

|                  |         |       |      |       |     |     |
|------------------|---------|-------|------|-------|-----|-----|
| Operating System | Juniper | Junos | 18.3 | r1-s1 | All | All |
| Operating System | Juniper | Junos | 18.3 | r1-s2 | All | All |
| Operating System | Juniper | Junos | 18.3 | r1-s3 | All | All |
| Operating System | Juniper | Junos | 18.3 | r1-s4 | All | All |
| Operating System | Juniper | Junos | 18.3 | r1-s5 | All | All |
| Operating System | Juniper | Junos | 18.3 | r1-s6 | All | All |
| Operating System | Juniper | Junos | 18.3 | r2    | All | All |
| Operating System | Juniper | Junos | 18.3 | r2-s1 | All | All |
| Operating System | Juniper | Junos | 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 | 18.4 | -     | All | All |
| Operating System | Juniper | Junos | 18.4 | r1    | All | All |
| Operating System | Juniper | Junos | 18.4 | r1-s1 | All | All |
| Operating System | Juniper | Junos | 18.4 | r1-s2 | All | All |
| Operating System | Juniper | Junos | 18.4 | r1-s3 | All | All |
| Operating System | Juniper | Junos | 18.4 | r1-s4 | All | All |
| Operating System | Juniper | Junos | 18.4 | r1-s5 | All | All |
| Operating System | Juniper | Junos | 18.4 | r1-s6 | All | All |
| Operating System | Juniper | Junos | 18.4 | r1-s7 | All | All |
| Operating System | Juniper | Junos | 18.4 | r2    | All | All |
| Operating System | Juniper | Junos | 18.4 | r2-s1 | All | All |
| Operating System | Juniper | Junos | 18.4 | r2-s2 | All | All |
| Operating System | Juniper | Junos | 18.4 | r2-s3 | All | All |
| Operating System | Juniper | Junos | 18.4 | r2-s4 | All | All |
| Operating System | Juniper | Junos | 18.4 | r2-s5 | All | All |
| Operating System | Juniper | Junos | 18.4 | r2-s6 | All | All |
| Operating System | Juniper | Junos | 18.4 | r2-s7 | All | All |
| Operating System | Juniper | Junos | 18.4 | r2-s8 | All | All |
| Operating System | Juniper | Junos | 18.4 | r3    | All | All |
| Operating System | Juniper | Junos | 18.4 | r3-s1 | All | All |

|                  |         |       |      |       |     |     |
|------------------|---------|-------|------|-------|-----|-----|
| Operating System | Juniper | Junos | 18.4 | r3-s2 | All | All |
| Operating System | Juniper | Junos | 18.4 | r3-s3 | All | All |
| Operating System | Juniper | Junos | 18.4 | r3-s4 | All | All |
| Operating System | Juniper | Junos | 18.4 | r3-s5 | All | All |
| Operating System | Juniper | Junos | 18.4 | r3-s6 | All | All |
| Operating System | Juniper | Junos | 18.4 | r3-s7 | 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 | 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 | 19.2 | -     | 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 | Juniper | Junos | 19.2 | r3    | All | All |
| Operating System | Juniper | Junos | 19.2 | r3-s1 | All | All |
| Operating System | Juniper | Junos | 19.3 | -     | All | All |

|                  |         |       |      |       |     |     |
|------------------|---------|-------|------|-------|-----|-----|
| Operating System | Juniper | Junos | 19.3 | r1    | All | All |
| Operating System | Juniper | Junos | 19.3 | r1-s1 | All | All |
| Operating System | Juniper | Junos | 19.3 | r2    | All | All |
| Operating System | Juniper | Junos | 19.3 | r2-s1 | All | All |
| Operating System | Juniper | Junos | 19.3 | r2-s2 | All | All |
| Operating System | Juniper | Junos | 19.3 | r2-s3 | All | All |
| Operating System | Juniper | Junos | 19.3 | r2-s4 | All | All |
| Operating System | Juniper | Junos | 19.3 | r2-s5 | All | All |
| Operating System | Juniper | Junos | 19.3 | r3    | All | All |
| Operating System | Juniper | Junos | 19.3 | r3-s1 | All | All |
| Operating System | Juniper | Junos | 19.4 | r1    | All | All |
| Operating System | Juniper | Junos | 19.4 | r1-s1 | All | All |
| Operating System | Juniper | Junos | 19.4 | r1-s2 | All | All |
| Operating System | Juniper | Junos | 19.4 | r1-s3 | All | All |
| Operating System | Juniper | Junos | 19.4 | r2    | All | All |
| Operating System | Juniper | Junos | 19.4 | r2-s1 | All | All |
| Operating System | Juniper | Junos | 19.4 | r2-s2 | All | All |
| Operating System | Juniper | Junos | 19.4 | r2-s3 | All | All |
| Operating System | Juniper | Junos | 19.4 | r3    | All | All |
| Operating System | Juniper | Junos | 19.4 | r3-s1 | All | All |
| Operating System | Juniper | Junos | 19.4 | r3-s2 | All | All |
| Operating System | Juniper | Junos | 20.1 | r1    | All | All |
| Operating System | Juniper | Junos | 20.1 | r1-s1 | All | All |
| Operating System | Juniper | Junos | 20.1 | r1-s2 | All | All |
| Operating System | Juniper | Junos | 20.1 | r1-s3 | All | All |
| Operating System | Juniper | Junos | 20.1 | r1-s4 | All | All |
| Operating System | Juniper | Junos | 20.1 | r2    | All | All |
| Operating System | Juniper | Junos | 20.1 | r2-s1 | All | All |
| Operating System | Juniper | Junos | 20.2 | r1    | All | All |
| Operating System | Juniper | Junos | 20.2 | r1-s1 | All | All |
| Operating System | Juniper | Junos | 20.2 | r1-s2 | All | All |
| Operating System | Juniper | Junos | 20.2 | r1-s3 | All | All |
| Operating System | Juniper | Junos | 20.2 | r2    | All | All |
| Operating System | Juniper | Junos | 20.2 | r2-s1 | All | All |
| Operating System | Juniper | Junos | 20.2 | r2-s2 | All | All |
| Operating System | Juniper | Junos | 20.2 | r2-s3 | All | All |
| Operating System | Juniper | Junos | 20.2 | r2-s4 | All | All |
| Operating System | Juniper | Junos | 20.2 | r2-s5 | All | All |
| Operating System | Juniper | Junos | 20.2 | r3    | All | All |
| Operating System | Juniper | Junos | 20.2 | r3-s1 | All | All |
| Operating System | Juniper | Junos | 20.2 | r3-s2 | All | All |
| Operating System | Juniper | Junos | 20.2 | r3-s3 | All | All |
| Operating System | Juniper | Junos | 20.2 | r3-s4 | All | All |
| Operating System | Juniper | Junos | 20.2 | r3-s5 | 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>    | 20.3 | 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>    | 20.4 | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a>    | 20.4 | r1-s1 | All | All |
| Hardware         | <a href="#">Juniper</a> | <a href="#">Qfx10000</a> | -    | All   | All | All |
| Hardware         | <a href="#">Juniper</a> | <a href="#">Qfx10002</a> | -    | All   | All | All |
| Hardware         | <a href="#">Juniper</a> | <a href="#">Qfx10008</a> | -    | All   | All | All |
| Hardware         | <a href="#">Juniper</a> | <a href="#">Qfx10016</a> | -    | All   | All | All |

## References

### Reference

2021-07 Security Bulletin: Junos OS: QFX10K Series: Denial of Service (DoS) upon receipt of DVMRP packets received on multi-homing ESI

[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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