



# CVE-2018-0030

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

## Summary

|                        |                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2018-0030                                                                                                    |
| <b>State</b>           | PUBLIC                                                                                                           |
| <b>Assigner</b>        | sirt@juniper.net                                                                                                 |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback                                                                     |
| <b>Published</b>       | 2018-07-11 18:29:00 UTC                                                                                          |
| <b>Updated</b>         | 2019-10-09 23:31:00 UTC                                                                                          |
| <b>Description</b>     | Receipt of a specific MPLS packet may cause MPC7/8/9, PTX-FPC3 (FPC-P1, FPC-P2) line cards or PTX1K to crash and |

## Risk And Classification

### Problem Types: CWE-400

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                  | Product               | Version | Update | Edition | Language |
|------------------|-------------------------|-----------------------|---------|--------|---------|----------|
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | All    | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | f      | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | f2     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | f3     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | f4     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | f5     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | f6     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | r1     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | r2     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | r6-s6  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | r7     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | All    | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r1     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r2     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r3     | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r4-s9  | All     | All      |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r5-s4  | All     | All      |

|                  |                         |                       |         |       |     |     |
|------------------|-------------------------|-----------------------|---------|-------|-----|-----|
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r6-s3 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r7    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1x65 | All   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1x65 | d30   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1x65 | d35   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1x65 | d40   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.2    | All   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.2    | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.2    | r2-s5 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.2    | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.1    | All   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.1    | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.1    | r2-s7 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.1    | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.2    | All   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.2    | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.2    | r2-s4 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.2    | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.2x75 | All   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.2x75 | d90   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | All   | 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    | r2    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4    | All   | 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    | r2    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | All   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | f     | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | f2    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | f3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | f4    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | f5    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | f6    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | r2    | All | All |

|                  |                         |                       |         |       |     |     |
|------------------|-------------------------|-----------------------|---------|-------|-----|-----|
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | r6-s6 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 15.1    | r7    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | All   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r2    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r4-s9 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r5-s4 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r6-s3 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1    | r7    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1x65 | All   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1x65 | d30   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1x65 | d35   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.1x65 | d40   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.2    | All   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.2    | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.2    | r2-s5 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 16.2    | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.1    | All   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.1    | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.1    | r2-s7 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.1    | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.2    | All   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.2    | r1    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.2    | r2-s4 | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.2    | r3    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.2x75 | All   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.2x75 | d90   | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.3    | All   | 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    | r2    | All | All |
| Operating System | <a href="#">Juniper</a> | <a href="#">Junos</a> | 17.4    | All   | 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    | r2    | All | All |

| Reference                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------|
| A mapping between chipset type and PFE module - Juniper Networks                                                                 |
| 2018-07 Security Bulletin: Junos OS: Junos OS: MPC7/8/9, PTX-FPC3 (FPC-P1, FPC-P2), PTX3K-FPC3 and PTX1K: Line card may crash up |
| Juniper Junos MPLS Processing Bug in MPC7/8/9, PTX-FPC3 (FPC-P1, FPC-P2), PTX3K-FPC3 Line Cards Lets Remote Users Cause the T    |
| CVE Program record                                                                                                               |
| NVD vulnerability detail                                                                                                         |
| <div><div></div></div>                                                                                                           |
| No vendor comments have been submitted for this CVE.                                                                             |
| There are currently no legacy QID mappings associated with this CVE.                                                             |

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

**Free CVE JSON API** [cve.report/api](#)

**CVE.report and Source URL Uptime Status** [status.cve.report](#)