



# CVE-2019-1963

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

|                        |                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2019-1963                                                                                                        |
| <b>State</b>           | PUBLIC                                                                                                               |
| <b>Assigner</b>        | psirt@cisco.com                                                                                                      |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback                                                                         |
| <b>Published</b>       | 2019-08-28 19:15:00 UTC                                                                                              |
| <b>Updated</b>         | 2019-10-09 23:48:00 UTC                                                                                              |
| <b>Description</b>     | A vulnerability in the Simple Network Management Protocol (SNMP) input packet processor of Cisco FXOS Software and C |

## Risk And Classification

### Problem Types: CWE-20

## NVD Known Affected Configurations (CPE 2.3)

| Type     | Vendor | Product      | Version | Update | Edition | Language |
|----------|--------|--------------|---------|--------|---------|----------|
| Hardware | Cisco  | 7000 10-slot | -       | All    | All     | All      |
| Hardware | Cisco  | 7000 10-slot | -       | All    | All     | All      |
| Hardware | Cisco  | 7000 18-slot | -       | All    | All     | All      |
| Hardware | Cisco  | 7000 18-slot | -       | All    | All     | All      |
| Hardware | Cisco  | 7000 4-slot  | -       | All    | All     | All      |
| Hardware | Cisco  | 7000 4-slot  | -       | All    | All     | All      |
| Hardware | Cisco  | 7000 9-slot  | -       | All    | All     | All      |
| Hardware | Cisco  | 7000 9-slot  | -       | All    | All     | All      |
| Hardware | Cisco  | 7700 10-slot | -       | All    | All     | All      |
| Hardware | Cisco  | 7700 10-slot | -       | All    | All     | All      |
| Hardware | Cisco  | 7700 18-slot | -       | All    | All     | All      |
| Hardware | Cisco  | 7700 18-slot | -       | All    | All     | All      |
| Hardware | Cisco  | 7700 2-slot  | -       | All    | All     | All      |
| Hardware | Cisco  | 7700 2-slot  | -       | All    | All     | All      |
| Hardware | Cisco  | 7700 6-slot  | -       | All    | All     | All      |
| Hardware | Cisco  | 7700 6-slot  | -       | All    | All     | All      |
| Hardware | Cisco  | 9432pq       | -       | All    | All     | All      |

|                  |       |                                    |     |     |     |     |
|------------------|-------|------------------------------------|-----|-----|-----|-----|
| Hardware         | Cisco | 9432pq                             | -   | All | All | All |
| Hardware         | Cisco | 9536pq                             | -   | All | All | All |
| Hardware         | Cisco | 9536pq                             | -   | All | All | All |
| Hardware         | Cisco | 9636pq                             | -   | All | All | All |
| Hardware         | Cisco | 9636pq                             | -   | All | All | All |
| Hardware         | Cisco | 9736pq                             | -   | All | All | All |
| Hardware         | Cisco | 9736pq                             | -   | All | All | All |
| Hardware         | Cisco | Firepower 4110                     | -   | All | All | All |
| Hardware         | Cisco | Firepower 4110                     | -   | All | All | All |
| Hardware         | Cisco | Firepower 4120                     | -   | All | All | All |
| Hardware         | Cisco | Firepower 4120                     | -   | All | All | All |
| Hardware         | Cisco | Firepower 4140                     | -   | All | All | All |
| Hardware         | Cisco | Firepower 4140                     | -   | All | All | All |
| Hardware         | Cisco | Firepower 4150                     | -   | All | All | All |
| Hardware         | Cisco | Firepower 4150                     | -   | All | All | All |
| Hardware         | Cisco | Firepower 9300 With 1 Sm-24 Module | -   | All | All | All |
| Hardware         | Cisco | Firepower 9300 With 1 Sm-24 Module | -   | All | All | All |
| Hardware         | Cisco | Firepower 9300 With 1 Sm-36 Module | -   | All | All | All |
| Hardware         | Cisco | Firepower 9300 With 1 Sm-36 Module | -   | All | All | All |
| Hardware         | Cisco | Firepower 9300 With 1 Sm-44 Module | -   | All | All | All |
| Hardware         | Cisco | Firepower 9300 With 1 Sm-44 Module | -   | All | All | All |
| Hardware         | Cisco | Firepower 9300 With 3 Sm-44 Module | -   | All | All | All |
| Hardware         | Cisco | Firepower 9300 With 3 Sm-44 Module | -   | All | All | All |
| Operating System | Cisco | Fx-os                              | All | All | All | All |
| Operating System | Cisco | Fx-os                              | All | All | All | All |
| Hardware         | Cisco | Mds 9132t                          | -   | All | All | All |
| Hardware         | Cisco | Mds 9132t                          | -   | All | All | All |
| Hardware         | Cisco | Mds 9148s                          | -   | All | All | All |
| Hardware         | Cisco | Mds 9148s                          | -   | All | All | All |
| Hardware         | Cisco | Mds 9148t                          | -   | All | All | All |
| Hardware         | Cisco | Mds 9148t                          | -   | All | All | All |
| Hardware         | Cisco | Mds 9216                           | -   | All | All | All |
| Hardware         | Cisco | Mds 9216                           | -   | All | All | All |
| Hardware         | Cisco | Mds 9216a                          | -   | All | All | All |
| Hardware         | Cisco | Mds 9216a                          | -   | All | All | All |

|          |       |                |   |     |     |     |
|----------|-------|----------------|---|-----|-----|-----|
| Hardware | Cisco | Mds 9216i      | - | All | All | All |
| Hardware | Cisco | Mds 9216i      | - | All | All | All |
| Hardware | Cisco | Mds 9222i      | - | All | All | All |
| Hardware | Cisco | Mds 9222i      | - | All | All | All |
| Hardware | Cisco | Mds 9250i      | - | All | All | All |
| Hardware | Cisco | Mds 9250i      | - | All | All | All |
| Hardware | Cisco | Mds 9396s      | - | All | All | All |
| Hardware | Cisco | Mds 9396s      | - | All | All | All |
| Hardware | Cisco | Mds 9396t      | - | All | All | All |
| Hardware | Cisco | Mds 9396t      | - | All | All | All |
| Hardware | Cisco | Mds 9506       | - | All | All | All |
| Hardware | Cisco | Mds 9506       | - | All | All | All |
| Hardware | Cisco | Mds 9509       | - | All | All | All |
| Hardware | Cisco | Mds 9509       | - | All | All | All |
| Hardware | Cisco | Mds 9513       | - | All | All | All |
| Hardware | Cisco | Mds 9513       | - | All | All | All |
| Hardware | Cisco | Mds 9706       | - | All | All | All |
| Hardware | Cisco | Mds 9706       | - | All | All | All |
| Hardware | Cisco | Mds 9710       | - | All | All | All |
| Hardware | Cisco | Mds 9710       | - | All | All | All |
| Hardware | Cisco | Mds 9718       | - | All | All | All |
| Hardware | Cisco | Mds 9718       | - | All | All | All |
| Hardware | Cisco | N77-f312ck-26  | - | All | All | All |
| Hardware | Cisco | N77-f312ck-26  | - | All | All | All |
| Hardware | Cisco | N77-f324fq-25  | - | All | All | All |
| Hardware | Cisco | N77-f324fq-25  | - | All | All | All |
| Hardware | Cisco | N77-f348xp-23  | - | All | All | All |
| Hardware | Cisco | N77-f348xp-23  | - | All | All | All |
| Hardware | Cisco | N77-f430cq-36  | - | All | All | All |
| Hardware | Cisco | N77-f430cq-36  | - | All | All | All |
| Hardware | Cisco | N77-m312cq-26l | - | All | All | All |
| Hardware | Cisco | N77-m312cq-26l | - | All | All | All |
| Hardware | Cisco | N77-m324fq-25l | - | All | All | All |
| Hardware | Cisco | N77-m324fq-25l | - | All | All | All |
| Hardware | Cisco | N77-m348xp-23l | - | All | All | All |
| Hardware | Cisco | N77-m348xp-23l | - | All | All | All |

|          |       |                 |   |     |     |     |
|----------|-------|-----------------|---|-----|-----|-----|
| Hardware | Cisco | N77-m348xp-23l  | - | All | All | All |
| Hardware | Cisco | N7k-f248xp-25e  | - | All | All | All |
| Hardware | Cisco | N7k-f248xp-25e  | - | All | All | All |
| Hardware | Cisco | N7k-f306ck-25   | - | All | All | All |
| Hardware | Cisco | N7k-f306ck-25   | - | All | All | All |
| Hardware | Cisco | N7k-f312fq-25   | - | All | All | All |
| Hardware | Cisco | N7k-f312fq-25   | - | All | All | All |
| Hardware | Cisco | N7k-m202cf-22l  | - | All | All | All |
| Hardware | Cisco | N7k-m202cf-22l  | - | All | All | All |
| Hardware | Cisco | N7k-m206fq-23l  | - | All | All | All |
| Hardware | Cisco | N7k-m206fq-23l  | - | All | All | All |
| Hardware | Cisco | N7k-m224xp-23l  | - | All | All | All |
| Hardware | Cisco | N7k-m224xp-23l  | - | All | All | All |
| Hardware | Cisco | N7k-m324fq-25l  | - | All | All | All |
| Hardware | Cisco | N7k-m324fq-25l  | - | All | All | All |
| Hardware | Cisco | N7k-m348xp-25l  | - | All | All | All |
| Hardware | Cisco | N7k-m348xp-25l  | - | All | All | All |
| Hardware | Cisco | N9k-c92160yc-x  | - | All | All | All |
| Hardware | Cisco | N9k-c92160yc-x  | - | All | All | All |
| Hardware | Cisco | N9k-c9236c      | - | All | All | All |
| Hardware | Cisco | N9k-c9236c      | - | All | All | All |
| Hardware | Cisco | N9k-c9272q      | - | All | All | All |
| Hardware | Cisco | N9k-c9272q      | - | All | All | All |
| Hardware | Cisco | N9k-c93180lc-ex | - | All | All | All |
| Hardware | Cisco | N9k-c93180lc-ex | - | All | All | All |
| Hardware | Cisco | N9k-c93180yc-ex | - | All | All | All |
| Hardware | Cisco | N9k-c93180yc-ex | - | All | All | All |
| Hardware | Cisco | N9k-c93180yc-fx | - | All | All | All |
| Hardware | Cisco | N9k-c93180yc-fx | - | All | All | All |
| Hardware | Cisco | N9k-c9504-fm-r  | - | All | All | All |
| Hardware | Cisco | N9k-c9504-fm-r  | - | All | All | All |
| Hardware | Cisco | N9k-c9508-fm-r  | - | All | All | All |
| Hardware | Cisco | N9k-c9508-fm-r  | - | All | All | All |
| Hardware | Cisco | N9k-x9432c-s    | - | All | All | All |
| Hardware | Cisco | N9k-x9432c-s    | - | All | All | All |
| Hardware | Cisco | N9k-x9464px     | - | All | All | All |

|          |       |                         |   |     |     |     |
|----------|-------|-------------------------|---|-----|-----|-----|
| Hardware | Cisco | N9k-x9464px             | - | All | All | All |
| Hardware | Cisco | N9k-x9464tx2            | - | All | All | All |
| Hardware | Cisco | N9k-x9464tx2            | - | All | All | All |
| Hardware | Cisco | N9k-x9564px             | - | All | All | All |
| Hardware | Cisco | N9k-x9564px             | - | All | All | All |
| Hardware | Cisco | N9k-x9564tx             | - | All | All | All |
| Hardware | Cisco | N9k-x9564tx             | - | All | All | All |
| Hardware | Cisco | N9k-x96136yc-r          | - | All | All | All |
| Hardware | Cisco | N9k-x96136yc-r          | - | All | All | All |
| Hardware | Cisco | N9k-x9636c-r            | - | All | All | All |
| Hardware | Cisco | N9k-x9636c-r            | - | All | All | All |
| Hardware | Cisco | N9k-x9636c-rx           | - | All | All | All |
| Hardware | Cisco | N9k-x9636c-rx           | - | All | All | All |
| Hardware | Cisco | N9k-x9636q-r            | - | All | All | All |
| Hardware | Cisco | N9k-x9636q-r            | - | All | All | All |
| Hardware | Cisco | N9k-x97160yc-ex         | - | All | All | All |
| Hardware | Cisco | N9k-x97160yc-ex         | - | All | All | All |
| Hardware | Cisco | N9k-x9732c-ex           | - | All | All | All |
| Hardware | Cisco | N9k-x9732c-ex           | - | All | All | All |
| Hardware | Cisco | N9k-x9732c-fx           | - | All | All | All |
| Hardware | Cisco | N9k-x9732c-fx           | - | All | All | All |
| Hardware | Cisco | N9k-x9736c-ex           | - | All | All | All |
| Hardware | Cisco | N9k-x9736c-ex           | - | All | All | All |
| Hardware | Cisco | N9k-x9736c-fx           | - | All | All | All |
| Hardware | Cisco | N9k-x9736c-fx           | - | All | All | All |
| Hardware | Cisco | N9k-x9788tc-fx          | - | All | All | All |
| Hardware | Cisco | N9k-x9788tc-fx          | - | All | All | All |
| Hardware | Cisco | Nexus 1000v Switch      | - | All | All | All |
| Hardware | Cisco | Nexus 1000v Switch      | - | All | All | All |
| Hardware | Cisco | Nexus 1000v Switch      | - | All | All | All |
| Hardware | Cisco | Nexus 1000v Switch      | - | All | All | All |
| Hardware | Cisco | Nexus 1000 Virtual Edge | - | All | All | All |
| Hardware | Cisco | Nexus 1000 Virtual Edge | - | All | All | All |
| Hardware | Cisco | Nexus 3048              | - | All | All | All |
| Hardware | Cisco | Nexus 3048              | - | All | All | All |

|          |       |                  |   |     |     |     |
|----------|-------|------------------|---|-----|-----|-----|
| Hardware | Cisco | Nexus 3524-x/xl  | - | All | All | All |
| Hardware | Cisco | Nexus 3524-x/xl  | - | All | All | All |
| Hardware | Cisco | Nexus 3524-x/xl  | - | All | All | All |
| Hardware | Cisco | Nexus 3548-x/xl  | - | All | All | All |
| Hardware | Cisco | Nexus 3548-x/xl  | - | All | All | All |
| Hardware | Cisco | Nexus 3548-x/xl  | - | All | All | All |
| Hardware | Cisco | Nexus 36180yc-r  | - | All | All | All |
| Hardware | Cisco | Nexus 36180yc-r  | - | All | All | All |
| Hardware | Cisco | Nexus 3636c-r    | - | All | All | All |
| Hardware | Cisco | Nexus 3636c-r    | - | All | All | All |
| Hardware | Cisco | Nexus 5010       | - | All | All | All |
| Hardware | Cisco | Nexus 5010       | - | All | All | All |
| Hardware | Cisco | Nexus 5020       | - | All | All | All |
| Hardware | Cisco | Nexus 5020       | - | All | All | All |
| Hardware | Cisco | Nexus 5548p      | - | All | All | All |
| Hardware | Cisco | Nexus 5548p      | - | All | All | All |
| Hardware | Cisco | Nexus 5548up     | - | All | All | All |
| Hardware | Cisco | Nexus 5548up     | - | All | All | All |
| Hardware | Cisco | Nexus 5596t      | - | All | All | All |
| Hardware | Cisco | Nexus 5596t      | - | All | All | All |
| Hardware | Cisco | Nexus 5596up     | - | All | All | All |
| Hardware | Cisco | Nexus 5596up     | - | All | All | All |
| Hardware | Cisco | Nexus 56128p     | - | All | All | All |
| Hardware | Cisco | Nexus 56128p     | - | All | All | All |
| Hardware | Cisco | Nexus 5624q      | - | All | All | All |
| Hardware | Cisco | Nexus 5624q      | - | All | All | All |
| Hardware | Cisco | Nexus 5648q      | - | All | All | All |
| Hardware | Cisco | Nexus 5648q      | - | All | All | All |
| Hardware | Cisco | Nexus 5672up     | - | All | All | All |
| Hardware | Cisco | Nexus 5672up     | - | All | All | All |
| Hardware | Cisco | Nexus 5672up-16g | - | All | All | All |
| Hardware | Cisco | Nexus 5672up-16g | - | All | All | All |
| Hardware | Cisco | Nexus 5696q      | - | All | All | All |
| Hardware | Cisco | Nexus 5696q      | - | All | All | All |
| Hardware | Cisco | Nexus 6001       | - | All | All | All |
| Hardware | Cisco | Nexus 6001       | - | All | All | All |

|          |       |                          |   |     |     |     |
|----------|-------|--------------------------|---|-----|-----|-----|
| Hardware | Cisco | Nexus 6001               | - | All | All | All |
| Hardware | Cisco | Nexus 6004               | - | All | All | All |
| Hardware | Cisco | Nexus 6004               | - | All | All | All |
| Hardware | Cisco | Nexus 7000 Supervisor 1  | - | All | All | All |
| Hardware | Cisco | Nexus 7000 Supervisor 1  | - | All | All | All |
| Hardware | Cisco | Nexus 7000 Supervisor 2  | - | All | All | All |
| Hardware | Cisco | Nexus 7000 Supervisor 2  | - | All | All | All |
| Hardware | Cisco | Nexus 7000 Supervisor 2e | - | All | All | All |
| Hardware | Cisco | Nexus 7000 Supervisor 2e | - | All | All | All |
| Hardware | Cisco | Nexus 7700 Supervisor 2e | - | All | All | All |
| Hardware | Cisco | Nexus 7700 Supervisor 2e | - | All | All | All |
| Hardware | Cisco | Nexus 7700 Supervisor 3e | - | All | All | All |
| Hardware | Cisco | Nexus 7700 Supervisor 3e | - | All | All | All |
| Hardware | Cisco | Nexus 92160yc-x          | - | All | All | All |
| Hardware | Cisco | Nexus 92160yc-x          | - | All | All | All |
| Hardware | Cisco | Nexus 92300yc            | - | All | All | All |
| Hardware | Cisco | Nexus 92300yc            | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-ex         | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-ex         | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-fx         | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-fx         | - | All | All | All |
| Hardware | Cisco | Nexus 93120tx            | - | All | All | All |
| Hardware | Cisco | Nexus 93120tx            | - | All | All | All |
| Hardware | Cisco | Nexus 9316d-gx           | - | All | All | All |
| Hardware | Cisco | Nexus 9316d-gx           | - | All | All | All |
| Hardware | Cisco | Nexus 93180lc-ex         | - | All | All | All |
| Hardware | Cisco | Nexus 93180lc-ex         | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-ex         | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-ex         | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx         | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx         | - | All | All | All |
| Hardware | Cisco | Nexus 93216tc-fx2        | - | All | All | All |
| Hardware | Cisco | Nexus 93216tc-fx2        | - | All | All | All |
| Hardware | Cisco | Nexus 93240yc-fx2        | - | All | All | All |
| Hardware | Cisco | Nexus 93240yc-fx2        | - | All | All | All |
| Hardware | Cisco | Nexus 9332c              | - | All | All | All |

|                  |       |                         |     |     |     |     |
|------------------|-------|-------------------------|-----|-----|-----|-----|
| Hardware         | Cisco | Nexus 9332c             | -   | All | All | All |
| Hardware         | Cisco | Nexus 93360yc-fx2       | -   | All | All | All |
| Hardware         | Cisco | Nexus 93360yc-fx2       | -   | All | All | All |
| Hardware         | Cisco | Nexus 9336c-fx2         | -   | All | All | All |
| Hardware         | Cisco | Nexus 9336c-fx2         | -   | All | All | All |
| Hardware         | Cisco | Nexus 9348gc-fxp        | -   | All | All | All |
| Hardware         | Cisco | Nexus 9348gc-fxp        | -   | All | All | All |
| Hardware         | Cisco | Nexus 93600cd-gx        | -   | All | All | All |
| Hardware         | Cisco | Nexus 93600cd-gx        | -   | All | All | All |
| Hardware         | Cisco | Nexus 9364c             | -   | All | All | All |
| Hardware         | Cisco | Nexus 9364c             | -   | All | All | All |
| Hardware         | Cisco | Nexus 9500 Supervisor A | -   | All | All | All |
| Hardware         | Cisco | Nexus 9500 Supervisor A | -   | All | All | All |
| Hardware         | Cisco | Nexus 9500 Supervisor A | -   | All | All | All |
| Hardware         | Cisco | Nexus 9500 Supervisor A | -   | All | All | All |
| Hardware         | Cisco | Nexus 9500 Supervisor A | -   | All | All | All |
| Hardware         | Cisco | Nexus 9500 Supervisor B | -   | All | All | All |
| Hardware         | Cisco | Nexus 9500 Supervisor B | -   | All | All | All |
| Hardware         | Cisco | Nexus 9500 Supervisor B | -   | All | All | All |
| Hardware         | Cisco | Nexus 9500 Supervisor B | -   | All | All | All |
| Hardware         | Cisco | Nexus 9500 Supervisor B | -   | All | All | All |
| Hardware         | Cisco | Nexus 9500 Supervisor B | -   | All | All | All |
| Hardware         | Cisco | Nexus 9504              | -   | All | All | All |
| Hardware         | Cisco | Nexus 9504              | -   | All | All | All |
| Hardware         | Cisco | Nexus 9508              | -   | All | All | All |
| Hardware         | Cisco | Nexus 9508              | -   | All | All | All |
| Hardware         | Cisco | Nexus 9516              | -   | All | All | All |
| Hardware         | Cisco | Nexus 9516              | -   | All | All | All |
| Operating System | Cisco | Nx-os                   | All | All | All | All |
| Operating System | Cisco | Nx-os                   | All | All | All | All |
| Operating System | Cisco | Nx-os                   | All | All | All | All |
| Operating System | Cisco | Nx-os                   | All | All | All | All |
| Hardware         | Cisco | X96136yc-r              | -   | All | All | All |
| Hardware         | Cisco | X96136yc-r              | -   | All | All | All |
| Hardware         | Cisco | X9636c-r                | -   | All | All | All |
| Hardware         | Cisco | X9636c-r                | -   | All | All | All |

|          |       |           |   |     |     |     |
|----------|-------|-----------|---|-----|-----|-----|
| Hardware | Cisco | X9636c-rx | - | All | All | All |
| Hardware | Cisco | X9636c-rx | - | All | All | All |
| Hardware | Cisco | X9636q-r  | - | All | All | All |
| Hardware | Cisco | X9636q-r  | - | All | All | All |

## References

| Reference                                                                                                      | Source  | Link                     |
|----------------------------------------------------------------------------------------------------------------|---------|--------------------------|
| Cisco FXOS and NX-OS Software Authenticated Simple Network Management Protocol Denial of Service Vulnerability | CISCO   | <a href="#">tools.ci</a> |
| CVE Program record                                                                                             | CVE.ORG | <a href="#">www.cv</a>   |
| NVD vulnerability detail                                                                                       | NVD     | <a href="#">nvd.nis</a>  |

No vendor comments have been submitted for this CVE.

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

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