



# CVE-2021-1229

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

## Summary

|                        |   |
|------------------------|---|
| <b>CVE</b>             | CVE-2021-1229   |
| <b>State</b>           | PUBLIC  |
| <b>Assigner</b>        | psirt@cisco.com   |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback  |
| <b>Published</b>       | 2021-02-24 20:15:00 UTC   |
| <b>Updated</b>         | 2023-11-07 03:27:00 UTC   |
| <b>Description</b>     | A vulnerability in ICMP Version 6 (ICMPv6) processing in Cisco NX-OS Software could allow an unauthenticated, remote at |

## Risk And Classification

**Problem Types:** CWE-401

## NVD Known Affected Configurations (CPE 2.3)

| Type     | Vendor | Product                                  | Version | Update | Edition | Language |
|----------|--------|--|---------|--------|---------|----------|
| Hardware | Cisco  | Mds 9148s                                | -       | All    | All     | All      |
| Hardware | Cisco  | Mds 9148s                                | -       | All    | All     | All      |
| Hardware | Cisco  | Mds 9148s                                | -       | All    | All     | All      |
| Hardware | Cisco  | Mds 9250i                                | -       | All    | All     | All      |
| Hardware | Cisco  | Mds 9250i                                | -       | All    | All     | All      |
| Hardware | Cisco  | Mds 9250i                                | -       | All    | All     | All      |
| Hardware | Cisco  | Mds 9706                                 | -       | 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 9710                                 | -       | All    | All     | All      |
| Hardware | Cisco  | Nexus 1000v Switch For Microsoft Hyper-v | -       | All    | All     | All      |
| Hardware | Cisco  | Nexus 1000v Switch For Microsoft Hyper-v | -       | All    | All     | All      |
| Hardware | Cisco  | Nexus 1000v Switch For Microsoft Hyper-v | -       | All    | All     | All      |
| Hardware | Cisco  | Nexus 1000v Switch For Vmware Vsphere    | -       | All    | All     | All      |
| Hardware | Cisco  | Nexus 1000v Switch For Vmware Vsphere    | -       | All    | All     | All      |

|          |       |  |   |     |     |     |
|----------|-------|--|---|-----|-----|-----|
| Hardware | Cisco | Nexus 1000v Switch For Vmware Vsphere      | - | All | All | All |
| Hardware | Cisco | Nexus 1000 Virtual Edge For Vmware Vsphere | - | All | All | All |
| Hardware | Cisco | Nexus 1000 Virtual Edge For Vmware Vsphere | - | All | All | All |
| Hardware | Cisco | Nexus 1000 Virtual Edge For Vmware Vsphere | - | All | All | All |
| Hardware | Cisco | Nexus 3048                                 | - | All | All | All |
| Hardware | Cisco | Nexus 3048                                 | - | All | All | All |
| Hardware | Cisco | Nexus 3048                                 | - | All | All | All |
| Hardware | Cisco | Nexus 31108pv-v                            | - | All | All | All |
| Hardware | Cisco | Nexus 31108pv-v                            | - | All | All | All |
| Hardware | Cisco | Nexus 31108pv-v                            | - | All | All | All |
| Hardware | Cisco | Nexus 31108tc-v                            | - | All | All | All |
| Hardware | Cisco | Nexus 31108tc-v                            | - | All | All | All |
| Hardware | Cisco | Nexus 31108tc-v                            | - | All | All | All |
| Hardware | Cisco | Nexus 31128pq                              | - | All | All | All |
| Hardware | Cisco | Nexus 31128pq                              | - | All | All | All |
| Hardware | Cisco | Nexus 31128pq                              | - | All | All | All |
| Hardware | Cisco | Nexus 3132c-z                              | - | All | All | All |
| Hardware | Cisco | Nexus 3132c-z                              | - | All | All | All |
| Hardware | Cisco | Nexus 3132c-z                              | - | All | All | All |
| Hardware | Cisco | Nexus 3132q-v                              | - | All | All | All |
| Hardware | Cisco | Nexus 3132q-v                              | - | All | All | All |
| Hardware | Cisco | Nexus 3132q-v                              | - | All | All | All |
| Hardware | Cisco | Nexus 3132q-x                              | - | All | All | All |
| Hardware | Cisco | Nexus 3132q-x                              | - | All | All | All |
| Hardware | Cisco | Nexus 3132q-x                              | - | All | All | All |
| Hardware | Cisco | Nexus 3132q-xl                             | - | All | All | All |
| Hardware | Cisco | Nexus 3132q-xl                             | - | All | All | All |
| Hardware | Cisco | Nexus 3132q-xl                             | - | All | All | All |
| Hardware | Cisco | Nexus 3164q                                | - | All | All | All |
| Hardware | Cisco | Nexus 3164q                                | - | All | All | All |
| Hardware | Cisco | Nexus 3164q                                | - | All | All | All |
| Hardware | Cisco | Nexus 3172pq                               | - | All | All | All |
| Hardware | Cisco | Nexus 3172pq                               | - | All | All | All |
| Hardware | Cisco | Nexus 3172pq                               | - | All | All | All |
| Hardware | Cisco | Nexus 3172pq-xl                            | - | All | All | All |

|          |       |                 |   |     |     |     |
|----------|-------|-----------------|---|-----|-----|-----|
| Hardware | Cisco | Nexus 3172pq-xl | - | All | All | All |
| Hardware | Cisco | Nexus 3172pq-xl | - | All | All | All |
| Hardware | Cisco | Nexus 3232c     | - | All | All | All |
| Hardware | Cisco | Nexus 3232c     | - | All | All | All |
| Hardware | Cisco | Nexus 3232c     | - | All | All | All |
| Hardware | Cisco | Nexus 3264c-e   | - | All | All | All |
| Hardware | Cisco | Nexus 3264c-e   | - | All | All | All |
| Hardware | Cisco | Nexus 3264c-e   | - | All | All | All |
| Hardware | Cisco | Nexus 3264q     | - | All | All | All |
| Hardware | Cisco | Nexus 3264q     | - | All | All | All |
| Hardware | Cisco | Nexus 3264q     | - | All | All | All |
| Hardware | Cisco | Nexus 3408-s    | - | All | All | All |
| Hardware | Cisco | Nexus 3408-s    | - | All | All | All |
| Hardware | Cisco | Nexus 3408-s    | - | All | All | All |
| Hardware | Cisco | Nexus 34180yc   | - | All | All | All |
| Hardware | Cisco | Nexus 34180yc   | - | All | All | All |
| Hardware | Cisco | Nexus 34180yc   | - | All | All | All |
| Hardware | Cisco | Nexus 3432d-s   | - | All | All | All |
| Hardware | Cisco | Nexus 3432d-s   | - | All | All | All |
| Hardware | Cisco | Nexus 3432d-s   | - | All | All | All |
| Hardware | Cisco | Nexus 3464c     | - | All | All | All |
| Hardware | Cisco | Nexus 3464c     | - | All | All | All |
| Hardware | Cisco | Nexus 3464c     | - | All | All | All |
| Hardware | Cisco | Nexus 3524-x    | - | All | All | All |
| Hardware | Cisco | Nexus 3524-x    | - | All | All | All |
| Hardware | Cisco | Nexus 3524-x    | - | All | All | All |
| Hardware | Cisco | Nexus 3524-xl   | - | All | All | All |
| Hardware | Cisco | Nexus 3524-xl   | - | All | All | All |
| Hardware | Cisco | Nexus 3524-xl   | - | All | All | All |
| Hardware | Cisco | Nexus 3548-x    | - | All | All | All |
| Hardware | Cisco | Nexus 3548-x    | - | All | All | All |
| Hardware | Cisco | Nexus 3548-x    | - | All | All | All |
| Hardware | Cisco | Nexus 3548-xl   | - | All | All | All |
| Hardware | Cisco | Nexus 3548-xl   | - | All | All | All |
| Hardware | Cisco | Nexus 3548-xl   | - | All | All | All |

|          |       |                  |   |     |     |     |
|----------|-------|------------------|---|-----|-----|-----|
| Hardware | Cisco | Nexus 36180yc-r  | - | 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 3636c-r    | - | All | All | All |
| Hardware | Cisco | Nexus 5548p      | - | 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 5548up     | - | All | All | All |
| Hardware | Cisco | Nexus 5596t      | - | 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 5596up     | - | All | All | All |
| Hardware | Cisco | Nexus 56128p     | - | 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 5624q      | - | All | All | All |
| Hardware | Cisco | Nexus 5648q      | - | 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     | - | All | All | All |
| Hardware | Cisco | Nexus 5672up-16g | - | 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 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 6004      | - | All | All | All |
| Hardware | Cisco | Nexus 7000      | - | All | All | All |
| Hardware | Cisco | Nexus 7000      | - | All | All | All |
| Hardware | Cisco | Nexus 7000      | - | All | All | All |
| Hardware | Cisco | Nexus 7700      | - | All | All | All |
| Hardware | Cisco | Nexus 7700      | - | All | All | All |
| Hardware | Cisco | Nexus 7700      | - | All | All | All |
| Hardware | Cisco | Nexus 9000v     | - | All | All | All |
| Hardware | Cisco | Nexus 9000v     | - | All | All | All |
| Hardware | Cisco | Nexus 9000v     | - | All | All | All |
| Hardware | Cisco | Nexus 92160yc-x | - | All | All | All |
| Hardware | Cisco | Nexus 92160yc-x | - | All | All | All |
| Hardware | Cisco | Nexus 92160yc-x | - | All | All | All |
| Hardware | Cisco | Nexus 9221c     | - | All | All | All |
| Hardware | Cisco | Nexus 9221c     | - | All | All | All |
| Hardware | Cisco | Nexus 9221c     | - | All | All | All |
| Hardware | Cisco | Nexus 92300yc   | - | All | All | All |
| Hardware | Cisco | Nexus 92300yc   | - | All | All | All |
| Hardware | Cisco | Nexus 92300yc   | - | All | All | All |
| Hardware | Cisco | Nexus 92304qc   | - | All | All | All |
| Hardware | Cisco | Nexus 92304qc   | - | All | All | All |
| Hardware | Cisco | Nexus 92304qc   | - | All | All | All |
| Hardware | Cisco | Nexus 92348gc-x | - | All | All | All |
| Hardware | Cisco | Nexus 92348gc-x | - | All | All | All |
| Hardware | Cisco | Nexus 92348gc-x | - | All | All | All |
| Hardware | Cisco | Nexus 9236c     | - | All | All | All |
| Hardware | Cisco | Nexus 9236c     | - | All | All | All |
| Hardware | Cisco | Nexus 9236c     | - | All | All | All |
| Hardware | Cisco | Nexus 9272q     | - | All | All | All |
| Hardware | Cisco | Nexus 9272q     | - | All | All | All |

|          |       |                     |   |     |     |     |
|----------|-------|---------------------|---|-----|-----|-----|
| Hardware | Cisco | Nexus 9272q         | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-ex    | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-ex    | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-ex    | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-ex-24 | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-ex-24 | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-ex-24 | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-fx    | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-fx    | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-fx    | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-fx-24 | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-fx-24 | - | All | All | All |
| Hardware | Cisco | Nexus 93108tc-fx-24 | - | All | All | All |
| Hardware | Cisco | Nexus 93120tx       | - | All | All | All |
| Hardware | Cisco | Nexus 93120tx       | - | All | All | All |
| Hardware | Cisco | Nexus 93120tx       | - | All | All | All |
| Hardware | Cisco | Nexus 93128tx       | - | All | All | All |
| Hardware | Cisco | Nexus 93128tx       | - | All | All | All |
| Hardware | Cisco | Nexus 93128tx       | - | All | All | All |
| Hardware | Cisco | Nexus 9316d-gx      | - | 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 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-ex    | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-ex-24 | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-ex-24 | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-ex-24 | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx    | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx    | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx    | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx-24 | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx-24 | - | All | All | All |

|          |       |                     |   |     |     |     |
|----------|-------|---------------------|---|-----|-----|-----|
| Hardware | Cisco | Nexus 93180yc-fx-24 | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx-24 | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx3   | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx3   | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx3   | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx3s  | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx3s  | - | All | All | All |
| Hardware | Cisco | Nexus 93180yc-fx3s  | - | All | All | All |
| Hardware | Cisco | Nexus 93216tc-fx2   | - | 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 93240yc-fx2   | - | All | All | All |
| Hardware | Cisco | Nexus 9332pq        | - | All | All | All |
| Hardware | Cisco | Nexus 9332pq        | - | All | All | All |
| Hardware | Cisco | Nexus 9332pq        | - | All | All | All |
| Hardware | Cisco | Nexus 93360yc-fx2   | - | 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 9336c-fx2     | - | All | All | All |
| Hardware | Cisco | Nexus 9336c-fx2-e   | - | All | All | All |
| Hardware | Cisco | Nexus 9336c-fx2-e   | - | All | All | All |
| Hardware | Cisco | Nexus 9336c-fx2-e   | - | All | All | All |
| Hardware | Cisco | Nexus 9336pq        | - | All | All | All |
| Hardware | Cisco | Nexus 9336pq        | - | All | All | All |
| Hardware | Cisco | Nexus 9336pq        | - | All | All | All |
| Hardware | Cisco | Nexus 9348gc-fxp    | - | 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 93600cd-gx    | - | All | All | All |
| Hardware | Cisco | Nexus 9364c         | - | All | All | All |

|                  |       |                |                 |     |     |     |
|------------------|-------|----------------|-----------------|-----|-----|-----|
| Hardware         | Cisco | Nexus 9364c    | -               | All | All | All |
| Hardware         | Cisco | Nexus 9364c    | -               | All | All | All |
| Hardware         | Cisco | Nexus 9364c-gx | -               | All | All | All |
| Hardware         | Cisco | Nexus 9364c-gx | -               | All | All | All |
| Hardware         | Cisco | Nexus 9364c-gx | -               | All | All | All |
| Hardware         | Cisco | Nexus 9372px   | -               | All | All | All |
| Hardware         | Cisco | Nexus 9372px   | -               | All | All | All |
| Hardware         | Cisco | Nexus 9372px   | -               | All | All | All |
| Hardware         | Cisco | Nexus 9372px-e | -               | All | All | All |
| Hardware         | Cisco | Nexus 9372px-e | -               | All | All | All |
| Hardware         | Cisco | Nexus 9372px-e | -               | All | All | All |
| Hardware         | Cisco | Nexus 9372tx   | -               | All | All | All |
| Hardware         | Cisco | Nexus 9372tx   | -               | All | All | All |
| Hardware         | Cisco | Nexus 9372tx   | -               | All | All | All |
| Hardware         | Cisco | Nexus 9372tx-e | -               | All | All | All |
| Hardware         | Cisco | Nexus 9372tx-e | -               | All | All | All |
| Hardware         | Cisco | Nexus 9372tx-e | -               | All | All | All |
| Hardware         | Cisco | Nexus 9396px   | -               | All | All | All |
| Hardware         | Cisco | Nexus 9396px   | -               | All | All | All |
| Hardware         | Cisco | Nexus 9396px   | -               | All | All | All |
| Hardware         | Cisco | Nexus 9396tx   | -               | All | All | All |
| Hardware         | Cisco | Nexus 9396tx   | -               | All | All | All |
| Hardware         | Cisco | Nexus 9396tx   | -               | All | All | All |
| Hardware         | Cisco | Nexus 9508     | -               | All | All | All |
| Hardware         | Cisco | Nexus 9508     | -               | All | All | All |
| Hardware         | Cisco | Nexus 9508     | -               | All | All | All |
| Operating System | Cisco | Nx-os          | 15.1(2.31\)     | All | All | All |
| Operating System | Cisco | Nx-os          | 5.2(1)sv5(1.3a) | All | All | All |
| Operating System | Cisco | Nx-os          | 8.4(3.53\)      | All | All | All |
| Operating System | Cisco | Nx-os          | 15.1(2.31\)     | All | All | All |
| Operating System | Cisco | Nx-os          | 5.2(1)sv5(1.3a) | All | All | All |
| Operating System | Cisco | Nx-os          | 8.4(3.53\)      | All | All | All |

## References

| Reference   | Source | Link  | Tags            |
|---|--------|---|-----------------|
| Cisco NX-OS Software ICMP Version 6 Memory Leak Denial of Service Vulnerability | CISCO  | <a href="https://tools.cisco.com">tools.cisco.com</a> | Vendor Advisory |

|   |         |   |                     |
|---|---------|---|---------------------|
| Cisco NX-OS Software ICMP Version 6 Memory Leak Denial of Service Vulnerability | CISCO   | <a href="https://tools.cisco.com">tools.cisco.com</a> | Vendor Advisory     |
| CVE Program record  | CVE.ORG | <a href="http://www.cve.org">www.cve.org</a>          | canonical           |
| NVD vulnerability detail  | NVD     | <a href="http://nvd.nist.gov">nvd.nist.gov</a>        | canonical, analysis |

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

**316917** Cisco NX-OS Software ICMP Version 6 Memory Leak Denial of Service Vulnerability(cisco-sa-fxos-nxos-icmpv6-dos-YD55jVCq)

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