



# CVE-2017-7979

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

## Summary

|                        |                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2017-7979                                                                                                                |
| <b>State</b>           | PUBLIC                                                                                                                       |
| <b>Assigner</b>        | cve@mitre.org                                                                                                                |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback                                                                                 |
| <b>Published</b>       | 2017-04-19 23:59:00 UTC                                                                                                      |
| <b>Updated</b>         | 2017-04-26 01:59:00 UTC                                                                                                      |
| <b>Description</b>     | The cookie feature in the packet action API implementation in net/sched/act_api.c in the Linux kernel 4.11.x through 4.11-rc |

## Risk And Classification

### Problem Types: CWE-20

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                | Product                      | Version | Update | Edition | Language |
|------------------|-----------------------|------------------------------|---------|--------|---------|----------|
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc1    | All     | All      |
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc2    | All     | All      |
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc3    | All     | All      |
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc4    | All     | All      |
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc5    | All     | All      |
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc6    | All     | All      |
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc7    | All     | All      |
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc1    | All     | All      |
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc2    | All     | All      |
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc3    | All     | All      |
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc4    | All     | All      |
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc5    | All     | All      |
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc6    | All     | All      |
| Operating System | <a href="#">Linux</a> | <a href="#">Linux Kernel</a> | 4.11    | rc7    | All     | All      |

## References

| Reference | Source | Link |
|-----------|--------|------|
|-----------|--------|------|

|                                                                                                      |         |                                                                   |
|------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------|
| '[PATCH linux 1/2] net sched actions: fix access to uninitialized data' - MARC                       | MISC    | <a href="https://marc.info">marc.info</a>                         |
| Bug #1682368 "refcount underflow / kernel NULL dereference after..." : Bugs : linux package : Ubuntu | MISC    | <a href="https://bugs.launchpad.net">bugs.launchpad.net</a>       |
| Linux Kernel CVE-2017-7979 Local Denial of Service Vulnerability                                     | BID     | <a href="https://www.securityfocus.com">www.securityfocus.com</a> |
| '[PATCH linux 2/2] net sched actions: fix refcount decrement on error' - MARC                        | MISC    | <a href="https://marc.info">marc.info</a>                         |
| '[RFC PATCH linux 0/2] net sched actions: access to uninitialized data and error handling' - MARC    | MISC    | <a href="https://marc.info">marc.info</a>                         |
| '[PATCH v2 net 2/2] net sched actions: decrement module refcount earlier' - MARC                     | MISC    | <a href="https://marc.info">marc.info</a>                         |
| '[PATCH v2 net 1/2] net sched actions: fix access to uninitialized data' - MARC                      | MISC    | <a href="https://marc.info">marc.info</a>                         |
| 1351 – VM not start if use network rate limit (like 12.5)                                            | MISC    | <a href="https://bugzilla.proxmox.com">bugzilla.proxmox.com</a>   |
| CVE Program record                                                                                   | CVE.ORG | <a href="https://www.cve.org">www.cve.org</a>                     |
| NVD vulnerability detail                                                                             | NVD     | <a href="https://nvd.nist.gov">nvd.nist.gov</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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