



# CVE-2020-14375

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

## Summary

|                        |  |
|------------------------|--|
| <b>CVE</b>             | CVE-2020-14375   |
| <b>State</b>           | PUBLIC   |
| <b>Assigner</b>        | secalert@redhat.com  |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback   |
| <b>Published</b>       | 2020-09-30 19:15:00 UTC  |
| <b>Updated</b>         | 2021-05-05 13:15:00 UTC  |
| <b>Description</b>     | A flaw was found in dpdk in versions before 18.11.10 and before 19.11.5. Virtio ring descriptors, and the data they describe |

## Risk And Classification


**Problem Types:** CWE-367

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                    | Product                                    | Version | Update | Edition | Language |
|------------------|---------------------------|--|---------|--------|---------|----------|
| Operating System | <a href="#">Canonical</a> | <a href="#">Ubuntu Linux</a>               | 20.04   | All    | All     | All      |
| Operating System | <a href="#">Canonical</a> | <a href="#">Ubuntu Linux</a>               | 20.04   | All    | All     | All      |
| Application      | <a href="#">Dpdk</a>      | <a href="#">Data Plane Development Kit</a> | All     | All    | All     | All      |
| Application      | <a href="#">Dpdk</a>      | <a href="#">Data Plane Development Kit</a> | All     | All    | All     | All      |
| Operating System | <a href="#">Opensuse</a>  | <a href="#">Leap</a>                       | 15.1    | All    | All     | All      |
| Operating System | <a href="#">Opensuse</a>  | <a href="#">Leap</a>                       | 15.2    | All    | All     | All      |
| Operating System | <a href="#">Opensuse</a>  | <a href="#">Leap</a>                       | 15.1    | All    | All     | All      |
| Operating System | <a href="#">Opensuse</a>  | <a href="#">Leap</a>                       | 15.2    | All    | All     | All      |

## References

| Reference   | Source | Link                  |
|---|--------|-----------------------|
| oss-security - Re: [dpdk-dev] DPDK security advisory for multiple vhost crypto issues | MLIST  | <a href="#">www</a>   |
| [security-announce] openSUSE-SU-2020:1599-1: critical: Security update f              | SUSE   | <a href="#">lists</a> |
| oss-security - Re: [dpdk-dev] DPDK security advisory for multiple vhost crypto issues | MLIST  | <a href="#">www</a>   |
| USN-4550-1: DPDK vulnerabilities   Ubuntu security notices   Ubuntu                   | UBUNTU | <a href="#">usn.</a>  |
| [security-announce] openSUSE-SU-2020:1593-1: critical: Security update f              | SUSE   | <a href="#">lists</a> |
| oss-security - Re: DPDK security advisory for multiple vhost crypto issues            | MLIST  | <a href="#">www</a>   |

|   |         |                      |
|---|---------|----------------------|
| 1879468 – (CVE-2020-14375) CVE-2020-14375 dpdk: time-of-check time-of-use vulnerabilities throughout vhost_crypto.c | MISC    | <a href="#">bug:</a> |
| oss-security - DPDK security advisory for multiple vhost crypto issues  | MISC    | <a href="#">www</a>  |
| CVE Program record  | CVE.ORG | <a href="#">www</a>  |
| NVD vulnerability detail  | NVD     | <a href="#">nvd.</a> |
|                                    |         |                      |
| <p>No vendor comments have been submitted for this CVE.</p>   |         |                      |
| <h3>Legacy QID Mappings</h3>  |         |                      |
| <p>670909 EulerOS Security Update for dpdk (EulerOS-SA-2021-1241)</p>   |         |                      |

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