



# CVE-2019-16229

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

## Summary

|                        |                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2019-16229                                                                                                          |
| <b>State</b>           | PUBLIC                                                                                                                  |
| <b>Assigner</b>        | cve@mitre.org                                                                                                           |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback                                                                            |
| <b>Published</b>       | 2019-09-11 16:15:00 UTC                                                                                                 |
| <b>Updated</b>         | 2023-11-07 03:05:00 UTC                                                                                                 |
| <b>Description</b>     | ** DISPUTED ** drivers/gpu/drm/amd/amdkfd/kfd_interrupt.c in the Linux kernel 5.2.14 does not check the alloc_workqueue |

## Risk And Classification

**Problem Types:** CWE-476

## 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>     | 14.04   | All    | All     | All      |
| Operating System | <a href="#">Canonical</a> | <a href="#">Ubuntu Linux</a>     | 16.04   | All    | All     | All      |
| Operating System | <a href="#">Canonical</a> | <a href="#">Ubuntu Linux</a>     | 18.04   | All    | All     | All      |
| Operating System | <a href="#">Canonical</a> | <a href="#">Ubuntu Linux</a>     | 19.10   | All    | All     | All      |
| Operating System | <a href="#">Canonical</a> | <a href="#">Ubuntu Linux</a>     | 14.04   | All    | All     | All      |
| Operating System | <a href="#">Canonical</a> | <a href="#">Ubuntu Linux</a>     | 16.04   | All    | All     | All      |
| Operating System | <a href="#">Canonical</a> | <a href="#">Ubuntu Linux</a>     | 18.04   | All    | All     | All      |
| Operating System | <a href="#">Canonical</a> | <a href="#">Ubuntu Linux</a>     | 19.10   | All    | All     | All      |
| Operating System | <a href="#">Linux</a>     | <a href="#">Linux Kernel</a>     | 5.2.14  | All    | All     | All      |
| Operating System | <a href="#">Linux</a>     | <a href="#">Linux Kernel</a>     | 5.2.14  | All    | All     | All      |
| Operating System | <a href="#">Redhat</a>    | <a href="#">Enterprise Linux</a> | 7.0     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a>    | <a href="#">Enterprise Linux</a> | 8.0     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a>    | <a href="#">Enterprise Linux</a> | 7.0     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a>    | <a href="#">Enterprise Linux</a> | 8.0     | All    | All     | All      |

## References

### Reference

|                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------|
| September 2019 Linux Kernel Vulnerabilities in NetApp Products   NetApp Product Security                                             |
| USN-4284-1: Linux kernel vulnerabilities   Ubuntu security notices   Ubuntu                                                          |
| USN-4287-2: Linux kernel (Azure) vulnerabilities   Ubuntu security notices   Ubuntu                                                  |
| USN-4285-1: Linux kernel vulnerabilities   Ubuntu security notices   Ubuntu                                                          |
| USN-4287-1: Linux kernel vulnerabilities   Ubuntu security notices   Ubuntu                                                          |
| LKML: Semmle Security Reports: Multiple NULL deref on alloc_workqueue                                                                |
| Bug 1150469 – VUL-1: CVE-2019-16229: kernel-source: NULL pointer dereference in alloc_workqueue in drivers/gpu/drm/amd/amdkfd/kfd_in |
| CVE Program record                                                                                                                   |
| NVD vulnerability detail                                                                                                             |
| <div><div></div><div></div></div>                                                                                                    |

No vendor comments have been submitted for this CVE.

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

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