



CVE-2019-16230

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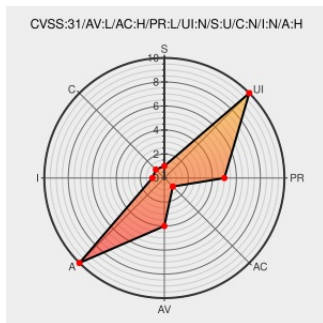
CVE-2019-16230

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of [Linux Kernel](#) from [Linux](#) contain the following vulnerability:

**** DISPUTED **** drivers/gpu/drm/radeon/radeon_display.c in the Linux kernel 5.2.14 does not check the alloc_workqueue return value, leading to a NULL pointer dereference. NOTE: A third-party software maintainer states that the work queue allocation is happening during device initialization, which for a graphics card occurs during boot. It is not attacker controllable and OOM at that time is highly unlikely.

CVE-2019-16230 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **4.7 - MEDIUM**

| Attack Vector | Attack Complexity | Privileges Required | User Interaction |
|------------------|------------------------|---------------------|---------------------|
| LOCAL | HIGH | LOW | NONE |
| Scope | Confidentiality Impact | Integrity Impact | Availability Impact |
| UNCHANGED | NONE | NONE | HIGH |

CVSS2 Score: **4.7 - MEDIUM**

| Access Vector | Access Complexity | Authentication |
|------------------------|-------------------|---------------------|
| LOCAL | MEDIUM | NONE |
| Confidentiality Impact | Integrity Impact | Availability Impact |
| NONE | NONE | COMPLETE |

CVE References

| Description | Tags | Link |
|--|---|---|
| September 2019 Linux Kernel Vulnerabilities in NetApp Products NetApp Product Security | Third Party Advisory security.netapp.com | CONFIRM security.netapp.com/advisory/ntap- |

text/html 20191004-0001/

LKML: Semmlie Security Reports: Multiple NULL deref on alloc_workqueue

Patch
Third Party Advisory
lkml.org
text/xml
MISC
lkml.org/lkml/2019/9/9/487

Bug 1150468 – VUL-1: DISPUTED: CVE-2019-16230: kernel-source: NULL pointer dereference in alloc_workqueue in drivers/gpu/drm/radeon/radeon_display.c

Issue Tracking
Third Party Advisory
bugzilla.suse.com
text/html
MISC
bugzilla.suse.com/show_bug.cgi?id=1150468

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|------------------|--------|--------------|---------|--------|---------|----------|
| Operating System | Linux | Linux Kernel | 5.2.14 | All | All | All |
| Operating System | Linux | Linux Kernel | 5.2.14 | All | All | All |

cpe:2.3:o:linux:linux_kernel:5.2.14:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:5.2.14:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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