



CVE-2019-19082

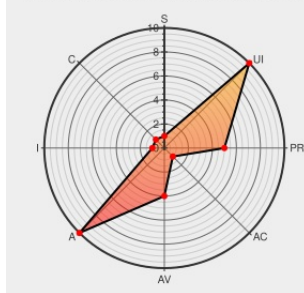
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CVE-2019-19082

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:31/AV:L/AC:H/PR:L/UI:N/S:U/C:N/I:N/A:H



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

Memory leaks in `*create_resource_pool()` functions under `drivers/gpu/drm/amd/display/dc` in the Linux kernel through 5.3.11 allow attackers to cause a denial of service (memory consumption). This affects the `dce120_create_resource_pool()` function in `drivers/gpu/drm/amd/display/dc/dce120/dce120_resource.c`, the

`dce110_create_resource_pool()` function in `drivers/gpu/drm/amd/display/dc/dce110/dce110_resource.c`, the `dce100_create_resource_pool()` function in `drivers/gpu/drm/amd/display/dc/dce100/dce100_resource.c`, the `dcn10_create_resource_pool()` function in `drivers/gpu/drm/amd/display/dc/dcn10/dcn10_resource.c`, and the `dce112_create_resource_pool()` function in `drivers/gpu/drm/amd/display/dc/dce112/dce112_resource.c`, aka CID-104c307147ad.

CVE-2019-19082 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	Integrity	Availability

Impact	Impact	Impact
NONE	NONE	COMPLETE

CVE References

Description	Tags	Link
drm/amd/display: prevent memory leak · torvalds/linux@104c307 · GitHub	Patch Third Party Advisory github.com text/html	 MISC github.com/torvalds/linux/commit/104c307147ad379617472dd91a5bcb368d72bd6d
November 2019 Linux Kernel Vulnerabilities in NetApp Products NetApp Product Security	Third Party Advisory security.netapp.com text/html	 CONFIRM security.netapp.com/advisory/ntap-20191205-0001/
USN-4284-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	Third Party Advisory usn.ubuntu.com text/html	 UBUNTU USN-4284-1
USN-4287-2: Linux kernel (Azure) vulnerabilities Ubuntu security notices Ubuntu	Third Party Advisory usn.ubuntu.com text/html	 UBUNTU USN-4287-2
USN-4258-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	Issue Tracking usn.ubuntu.com text/html	 UBUNTU USN-4258-1
[security-announce] openSUSE-SU-2019:2675-1: important: Security update	Third Party Advisory lists.opensuse.org text/html	 SUSE openSUSE-SU-2019:2675
USN-4287-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	Third Party Advisory usn.ubuntu.com text/html	 UBUNTU USN-4287-1

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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	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	19.04	All	All	All
Operating System	Canonical	Ubuntu Linux	19.10	All	All	All

Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	19.04	All	All	All
Operating System	Canonical	Ubuntu Linux	19.10	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:esm:*:*:						
cpe:2.3:o:canonical:ubuntu_linux:16.04:*:*:*:lts:*:*:						
cpe:2.3:o:canonical:ubuntu_linux:18.04:*:*:*:lts:*:*:						
cpe:2.3:o:canonical:ubuntu_linux:19.04:*:*:*:*:*:						
cpe:2.3:o:canonical:ubuntu_linux:19.10:*:*:*:*:*:						
cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:esm:*:*:						
cpe:2.3:o:canonical:ubuntu_linux:16.04:*:*:*:lts:*:*:						
cpe:2.3:o:canonical:ubuntu_linux:18.04:*:*:*:lts:*:*:						
cpe:2.3:o:canonical:ubuntu_linux:19.04:*:*:*:*:*:						
cpe:2.3:o:canonical:ubuntu_linux:19.10:*:*:*:*:*:						
cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:						
cpe:2.3:o:opensuse:leap:15.1:*:*:*:*:*:						
cpe:2.3:o:opensuse:leap:15.1:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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