

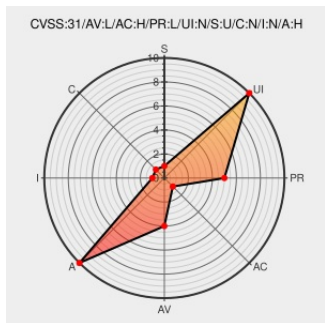


CVE-2019-19059

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CVE-2019-19059

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

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

Multiple memory leaks in the `iwl_pcie_ctxt_info_gen3_init()` function in `drivers/net/wireless/intel/iwlwifi/pcie/ctxt-info-gen3.c` in the Linux kernel through 5.3.11 allow attackers to cause a denial of service (memory consumption) by triggering `iwl_pcie_init_fw_sec()` or `dma_alloc_coherent()` failures, aka CID-0f4f199443fa.

CVE-2019-19059 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
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/

Security

USN-4300-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu

[Third Party Advisory](#)[usn.ubuntu.com](#)[text/html](#) [UBUNTU USN-4300-1](#)

[SECURITY] Fedora 31 Update: kernel-5.3.12-300.fc31 - package-announce - Fedora Mailing-Lists

[lists.fedoraproject.org](#)[text/html](#) [FEDORA FEDORA-2019-34a75d7e61](#)

[SECURITY] Fedora 30 Update: kernel-5.3.12-200.fc30 - package-announce - Fedora Mailing-Lists

[Mailing List](#)[Third Party Advisory](#)[lists.fedoraproject.org](#)[text/html](#) [FEDORA FEDORA-2019-021c968423](#)

USN-4301-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu

[Third Party Advisory](#)[usn.ubuntu.com](#)[text/html](#) [UBUNTU USN-4301-1](#)

iwlwifi: pcie: fix memory leaks in iwl_pcie_ctxt_info_gen3_init · torvalds/linux@0f4f199 · GitHub

[Patch](#)[Third Party Advisory](#)[github.com](#)[text/html](#) [MISC](#)[github.com/torvalds/linux/commit/0f4f199443faca715523b0659aa536251d8b978f](#)

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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	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	19.10	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	19.10	All	All	All
Operating System	Fedoraproject	Fedora	30	All	All	All
Operating System	Fedoraproject	Fedora	31	All	All	All
Operating System	Fedoraproject	Fedora	30	All	All	All
Operating System	Fedoraproject	Fedora	31	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

cpe:2.3:o:canonical:ubuntu_linux:18.04:*:*:*:linux:*:*:

cpe:2.3:o:canonical:ubuntu_linux:19.10:****:****:
cpe:2.3:o:canonical:ubuntu_linux:18.04:****:lts:****:
cpe:2.3:o:canonical:ubuntu_linux:19.10:****:****:
cpe:2.3:o:fedoraproject:fedora:30:****:****:
cpe:2.3:o:fedoraproject:fedora:31:****:****:
cpe:2.3:o:fedoraproject:fedora:30:****:****:
cpe:2.3:o:fedoraproject:fedora:31:****:****:
cpe:2.3:o:linux:linux_kernel:****:****:

No vendor comments have been submitted for this CVE

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