



# CVE-2019-8912

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## Summary

<b>CVE</b>	CVE-2019-8912
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2019-02-18 18:29:00 UTC
<b>Updated</b>	2021-06-02 15:36:00 UTC
<b>Description</b>	In the Linux kernel through 4.20.11, af_alg_release() in crypto/af_alg.c neglects to set a NULL value for a certain structure r

## Risk And Classification

**Problem Types:** CWE-416

## 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>	18.10	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	All	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.0	rc1	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.0	rc2	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.0	rc3	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.0	rc4	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.0	rc5	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.0	rc6	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.0	rc7	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.0	rc8	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	All	All	All	All
Operating System	<a href="#">Opensuse</a>	<a href="#">Leap</a>	15.0	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>	7.0	All	All	All

## References

### Reference

Red Hat Customer Portal

[net-next] net: crypto set sk to NULL when af\_alg\_release. - Patchwork

1678685 – (CVE-2019-8912) CVE-2019-8912 kernel: af\_alg\_release() in crypto/af\_alg.c neglects to set a NULL value for a certain structure m

Linux Kernel 'crypto/af\_alg.c' Use After Free Arbitrary Code Execution Vulnerability

USN-3930-1: Linux kernel vulnerabilities | Ubuntu security notices

USN-3930-2: Linux kernel (HWE) vulnerabilities | Ubuntu security notices

USN-3931-1: Linux kernel vulnerabilities | Ubuntu security notices

USN-3931-2: Linux kernel (HWE) vulnerabilities | Ubuntu security notices

[security-announce] openSUSE-SU-2019:1193-1: important: Security update

CVE Program record

NVD vulnerability detail

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[377188](#) Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2019:0010)

[610324](#) Google Android March 2021 Security Patch Missing for Huawei EMUI

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