CVE-2018-14625

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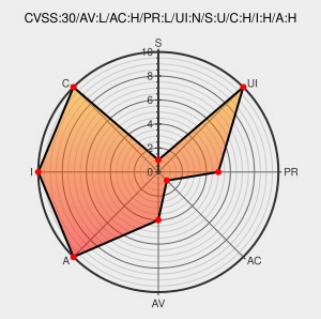
CVE-2018-14625

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Ubuntu Linux from Canonical contain the following vulnerability:

A flaw was found in the Linux Kernel where an attacker may be able to have an uncontrolled read to kernel-memory from within a vm guest. A race condition between connect() and close() function may allow an attacker using the AF_VSOCK protocol to gather a 4 byte information leak or possibly intercept or corrupt AF_VSOCK messages destined to other clients.

CVE-2018-14625 has been assigned by secalert@redhat.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **[UNKNOWN]** - **kernel** version **= n/a**

CVSS3 Score: 7 - HIGH

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

CVSS2 Score: 4.4 - MEDIUM

Access Vector	Access Complexity	Authentication
LOCAL	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link

USN-3871-3: Linux kernel (AWS, GCP, KVM, OEM, Raspberry Pi 2) vulnerabilities | Ubuntu security notices | Ubuntu	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-3871-3
KASAN: use-after-free Read in vhost_transport_send_pkt	Third Party Advisory syzkaller.appspot.com text/html	MISC syzkaller.appspot.com/bug?extid=bd391451452fb0b93039
CVE-2018-14625 - Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/security/cve/CVE-2018-14625
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2019:2029
USN-3872-1: Linux kernel (HWE) vulnerabilities | Ubuntu security notices | Ubuntu	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-3872-1
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2019:2043
1619846 – (CVE-2018-14625) CVE-2018-14625 kernel: use-after-free Read in vhost_transport_send_pkt	bugzilla.redhat.com text/html	MISC bugzilla.redhat.com/show_bug.cgi?id=1619846
USN-3871-5: Linux kernel (Azure) vulnerabilities | Ubuntu security notices	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-3871-5
[SECURITY] [DLA 1771-1] linux-4.9 security update	Mailing List Third Party Advisory lists.debian.org text/html	MLIST [debian-lts-announce] 20190503 [SECURITY] [DLA 1771-1] linux-4.9 security update
1619846 – (CVE-2018-14625) CVE-2018-14625 kernel: use-after-free Read in vhost_transport_send_pkt	Issue Tracking Patch Third Party Advisory bugzilla.redhat.com text/html	CONFIRM bugzilla.redhat.com/show_bug.cgi?id=CVE-2018-14625
USN-3871-4: Linux kernel (HWE) vulnerabilities | Ubuntu security notices	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-3871-4
USN-3878-2: Linux kernel (Azure) vulnerabilities | Ubuntu security notices	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-3878-2
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2019:4154
USN-3871-1: Linux kernel vulnerabilities | Ubuntu security notices	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-3871-1
USN-3878-1: Linux kernel vulnerabilities | Ubuntu security notices	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-3878-1

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	18.10	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	18.10	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Linux	Linux Kernel	-	All	All	All
Operating System	Linux	Linux Kernel	-	All	All	All

cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:lts:*:*:*:

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:18.10:*:*:*:*:*:*:*:

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cpe:2.3:o:canonical:ubuntu_linux:18.10:*:*:*:*:*:*:*:

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cpe:2.3:o:linux:linux_kernel:-:*:*:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:-:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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