CVE-2019-3900

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Summary

CVE	CVE-2019-3900
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2019-04-25 15:29:00 UTC
Updated	2023-02-12 23:38:00 UTC
Description	An infinite loop issue was found in the vhost_net kernel module in Linux Kernel up to and including v5.1-rc6, while handling

Risk And Classification

Problem Types: CWE-835

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edit
Operating System	Canonical	Ubuntu Linux	16.04	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All
Operating System	Canonical	Ubuntu Linux	19.04	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All
Operating System	Canonical	Ubuntu Linux	19.04	All	All
Operating System	Debian	Debian Linux	10.0	All	All
Operating System	Debian	Debian Linux	8.0	All	All
Operating System	Debian	Debian Linux	9.0	All	All
Operating System	Debian	Debian Linux	10.0	All	All
Operating System	Debian	Debian Linux	8.0	All	All
Operating System	Debian	Debian Linux	9.0	All	All
Operating System	Fedoraproject	Fedora	29	All	All
Operating System	Fedoraproject	Fedora	30	All	All
Operating System	Fedoraproject	Fedora	29	All	All
Operating System	Fedoraproject	Fedora	30	All	All
Operating System	Linux	Linux Kernel	All	All	All

Operating System	Linux	Linux Kernel	5.1	rc1	All
Operating System	Linux	Linux Kernel	5.1	rc2	All
Operating System	Linux	Linux Kernel	5.1	rc3	All
Operating System	Linux	Linux Kernel	5.1	rc4	All
Operating System	Linux	Linux Kernel	5.1	rc5	All
Operating System	Linux	Linux Kernel	5.1	rc6	All
Operating System	Linux	Linux Kernel	All	All	All
Operating System	Linux	Linux Kernel	5.1	rc1	All
Operating System	Linux	Linux Kernel	5.1	rc2	All
Operating System	Linux	Linux Kernel	5.1	rc3	All
Operating System	Linux	Linux Kernel	5.1	rc4	All
Operating System	Linux	Linux Kernel	5.1	rc5	All
Operating System	Linux	Linux Kernel	5.1	rc6	All
Application	Netapp	Active Iq Unified Manager For Vmware Vsphere	All	All	All
Application	Netapp	Active Iq Unified Manager For Vmware Vsphere	All	All	All
Hardware	Netapp	Cn1610	-	All	All
Hardware	Netapp	Cn1610	-	All	All
Operating System	Netapp	Cn1610 Firmware	-	All	All
Operating System	Netapp	Cn1610 Firmware	-	All	All
Application	Netapp	Hci Management Node	-	All	All
Application	Netapp	Hci Management Node	-	All	All
Application	Netapp	Snapprotect	-	All	All
Application	Netapp	Snapprotect	-	All	All
Application	Netapp	Solidfire	-	All	All
Application	Netapp	Solidfire	-	All	All
Application	Netapp	Storage Replication Adapter For Clustered Data Ontap For Vmware Vsphere	All	All	All
Application	Netapp	Storage Replication Adapter For Clustered Data Ontap For Vmware Vsphere	All	All	All
Application	Netapp	Vasa Provider For Clustered Data Ontap	All	All	All
Application	Netapp	Vasa Provider For Clustered Data Ontap	All	All	All
Application	Netapp	Virtual Storage Console For Vmware Vsphere	All	All	All
Application	Netapp	Virtual Storage Console For Vmware Vsphere	All	All	All
Application	Oracle	Sd-wan Edge	8.2	All	All
Operating System	Redhat	Enterprise Linux	6.0	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All
Operating System	Redhat	Enterprise Linux	6.0	All	All

Operating System	Redhat	Enterprise Linux	7.0	All	All

References

Reference	Source	Link
Bugtraq: [slackware-security] Slackware 14.2 kernel (SSA:2019-311-01)	BUGTRAQ	seclists.org
Red Hat Customer Portal	REDHAT	access.red
Red Hat Customer Portal	REDHAT	access.red
Red Hat Customer Portal	REDHAT	access.red
Red Hat Customer Portal	REDHAT	access.red
Debian -- Security Information -- DSA-4497-1 linux	DEBIAN	www.debia
Red Hat Customer Portal	REDHAT	access.red
1698757 – (CVE-2019-3900) CVE-2019-3900 Kernel: vhost_net: infinite loop while receiving packets leads to DoS	MISC	bugzilla.rec
Red Hat Customer Portal	MISC	access.red
Red Hat Customer Portal	REDHAT	access.red
USN-4116-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu	UBUNTU	usn.ubuntu
[SECURITY] Fedora 29 Update: kernel-5.0.10-200.fc29 - package-announce - Fedora Mailing-Lists	MISC	lists.fedora
May 2019 Linux Kernel Vulnerabilities in NetApp Products | NetApp Product Security	CONFIRM	security.ne
Red Hat Customer Portal	REDHAT	access.red
Red Hat Customer Portal	REDHAT	access.red
USN-4114-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu	UBUNTU	usn.ubuntu
[SECURITY] Fedora 30 Update: kernel-5.0.10-300.fc30 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedora
[SECURITY] Fedora 30 Update: kernel-5.0.10-300.fc30 - package-announce - Fedora Mailing-Lists	MISC	lists.fedora
Slackware Security Advisory - Slackware 14.2 kernel Updates ≈ Packet Storm	MISC	packetstorr
USN-4118-1: Linux kernel (AWS) vulnerabilities | Ubuntu security notices | Ubuntu	UBUNTU	usn.ubuntu
USN-4117-1: Linux kernel (AWS) vulnerabilities | Ubuntu security notices | Ubuntu	UBUNTU	usn.ubuntu
[SECURITY] Fedora 29 Update: kernel-5.0.10-200.fc29 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedora
[PATCH net] vhost_net: fix possible infinite loop — Linux Kernel	CONFIRM	www.spinic
USN-4115-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu	UBUNTU	usn.ubuntu
[SECURITY] Fedora 28 Update: kernel-5.0.11-100.fc28 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedora
Bugtraq: [SECURITY] [DSA 4497-1] linux security update	BUGTRAQ	seclists.org
[SECURITY] [DLA 1884-1] linux security update	MLIST	lists.debian
[SECURITY] Fedora 28 Update: kernel-5.0.11-100.fc28 - package-announce - Fedora Mailing-Lists	MISC	lists.fedora
1698757 – (CVE-2019-3900) CVE-2019-3900 Kernel: vhost_net: infinite loop while receiving packets leads to DoS	CONFIRM	bugzilla.rec
[SECURITY] [DLA 1885-1] linux-4.9 security update	MLIST	lists.debian
Red Hat Customer Portal	REDHAT	access.red

Red Hat Customer Portal	REDHAT	access.red
Oracle Critical Patch Update Advisory - April 2021	MISC	www.oracle
Linux Kernel CVE-2019-3900 Denial of Service Vulnerability	BID	www.secur
CVE Program record	CVE.ORG	www.cve.o
NVD vulnerability detail	NVD	nvd.nist.go

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- 159403 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel (ELSA-2021-9459)
- 390248 Oracle Managed Virtualization (VM) Server for x86 Security Update for kernel (OVMSA-2021-0035)
- 670185 EulerOS Security Update for kernel (EulerOS-SA-2021-1684)
- 751155 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3192-1)
- 751163 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3206-1)
- 751437 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3876-1)
- 751441 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:3876-1)
- 751473 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3969-1)
- 751476 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3972-1)
- 753703 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0416-1)
- 753707 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0416-1)
- 753727 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0416-1)