CVE-2016-9806

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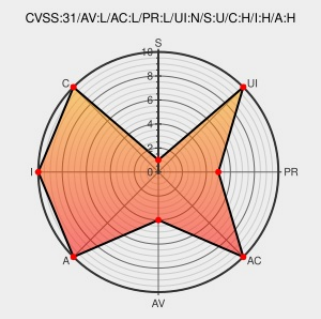
CVE-2016-9806

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



Certain versions of Linux Kernel from Linux contain the following vulnerability:

Race condition in the netlink_dump function in net/netlink/af_netlink.c in the Linux kernel before 4.6.3 allows local users to cause a denial of service (double free) or possibly have unspecified other impact via a crafted application that makes sendmsg system calls, leading to a free operation associated with a new dump that started earlier than anticipated.

CVE-2016-9806 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.8 - HIGH

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

CVSS2 Score: 7.2 - HIGH

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2017:1842

Linux Kernel CVE-2016-9806 Local Denial of Service Vulnerability	cve.report (archive) text/html	BID 94653
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2017:2669
	Release Notes www.kernel.org text/plain	CONFIRM www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.6.3
Android Security Bulletin—March 2017 | Android Open Source Project	source.android.com text/html	CONFIRM source.android.com/security/bulletin/2017-03-01.html
netdev - BUG: use-after-free in netlink_dump	Mailing List lists.openwall.net text/html	MLIST [netdev] 20160515 BUG: use-after-free in netlink_dump
kernel/git/torvalds/linux.git - Linux kernel source tree	Patch Vendor Advisory git.kernel.org text/html	CONFIRM git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=92964c79b357efd980812c4de5c1fd2ec8bb5520
Android Multiple Flaws Let Users Deny Service, Obtain Potentially Sensitive Information, and Gain Elevated Privileges and Let Remote Users Execute Arbitrary Code - SecurityTracker	www.securitytracker.com text/html	SECTRACK 1037968
Bug 1401502 – CVE-2016-9806 kernel: netlink: double-free in netlink_dump	Issue Tracking Patch bugzilla.redhat.com text/html	CONFIRM bugzilla.redhat.com/show_bug.cgi?id=1401502
oss-security - CVE Request: -- Linux kernel: double free in netlink_dump	Mailing List Patch www.openwall.com text/html	MLIST [oss-security] 20161203 CVE Request: -- Linux kernel: double free in netlink_dump
netlink: Fix dump skb leak/double free · torvalds/linux@92964c7 · GitHub	Patch github.com text/html	CONFIRM github.com/torvalds/linux/commit/92964c79b357efd980812c4de5c1fd2ec8bb5520
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2017:2077

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating	Linux	Linux Kernel	All	All	All	All

System						
Operating System	Linux	Linux Kernel	All	All	All	All

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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