CVE-2016-7917

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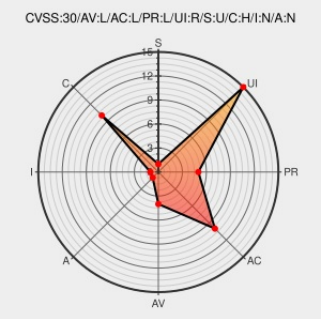

Certain versions of Linux Kernel from Linux contain the following vulnerability:

The nfnetlink_rcv_batch function in net/netfilter/nfnetlink.c in the Linux kernel before 4.5 does not check whether a batch message's length field is large enough, which allows local users to obtain sensitive information from kernel memory or cause a denial of service (infinite loop or out-of-bounds read) by leveraging the CAP_NET_ADMIN capability.

CVE-2016-7917 has been assigned by security@android.com to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 5 - MEDIUM

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

CVSS2 Score: 4.3 - MEDIUM

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

CVE References

Description	Tags	Link
Android Security Bulletin—November 2016 | Android Open	Third Party Advisory source.android.com	CONFIRM source.android.com/security/bulletin/2016-11-01.html

Source Project	text/html	
netfilter: nfnetlink: correctly validate length of batch messages · torvalds/linux@c58d6c9 · GitHub	Issue Tracking Patch github.com text/html	CONFIRM github.com/torvalds/linux/commit/c58d6c93680f28ac58984af61d0a7ebf4319c241
Google Android Kernel Components Multiple Information Disclosure Vulnerabilites	Third Party Advisory VDB Entry cve.report (archive) text/html	BID 94147
kernel/git/torvalds/linux.git - Linux kernel source tree	Issue Tracking Patch Third Party Advisory git.kernel.org text/html	CONFIRM git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=c58d6c93680f28ac58984af61d0a7ebf4319c241

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

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

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

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→