CVE-2014-9870

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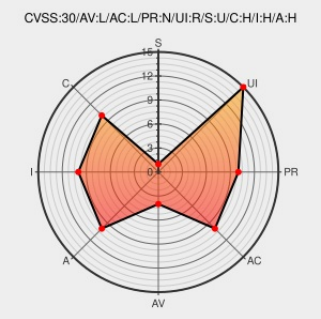
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Android from Google contain the following vulnerability:

The Linux kernel before 3.11 on ARM platforms, as used in Android before 2016-08-05 on Nexus 5 and 7 (2013) devices, does not properly consider user-space access to the TPIDRURW register, which allows local users to gain privileges via a crafted application, aka Android internal bug 28749743 and Qualcomm internal bug CR561044.

CVE-2014-9870 has been assigned by security@android.com to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.8 - HIGH

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

CVSS2 Score: 9.3 - HIGH

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

CVE References

Description	Tags	Link
ARM: 7735/2: Preserve the user r/w register TPIDRURW on context switc… · torvalds/linux@a4780ad	Issue Tracking, Patch, github.com	CONFIRM github.com/torvalds/linux/commit/a4780adeefd042482f624f5e0d577bf9cdcbb760

torvalds/linux@a4780ad · GitHub	text/html	
Google Nexus Qualcomm Components Multiple Privilege Escalation Vulnerabilities	cve.report (archive) text/html	BID 92219
kernel/git/torvalds/linux.git - Linux kernel source tree	Issue Tracking Patch git.kernel.org text/html	CONFIRM git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=a4780adeefd042482f624f5e0d577bf9cdcbb760
kernel/msm - Kernel Tree for MSM/QSD family and Android on MSM/QSD	Issue Tracking Patch source.codeaurora.org text/html	CONFIRM source.codeaurora.org/quic/la/kernel/msm/commit/?id=4f57652fcd2dce7741f1ac6dc0417e2f265cd1de
Android Security Bulletin—August 2016 | Android Open Source Project	Vendor Advisory source.android.com text/html	CONFIRM source.android.com/security/bulletin/2016-08-01.html

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

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

cpe:2.3:o:google:android:*:*:*:*:*:*:*:*:

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

No vendor comments have been submitted for this CVE

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