



CVE-2016-9178

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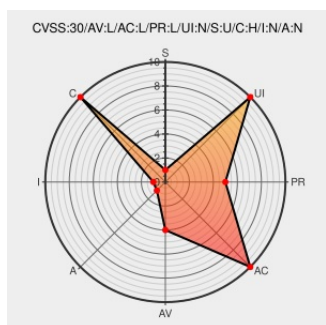
CVE-2016-9178

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of [Linux Kernel](#) from [Linux](#) contain the following vulnerability:

The `__get_user_asm_ex` macro in `arch/x86/include/asm/uaccess.h` in the Linux kernel before 4.7.5 does not initialize a certain integer variable, which allows local users to obtain sensitive information from kernel stack memory by triggering failure of a `get_user_ex` call.

CVE-2016-9178 has been assigned by [M](#) [cve@mitre.org](#) to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.5 - MEDIUM**

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

CVSS2 Score: **2.1 - LOW**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	NONE	NONE

CVE References

Description	Tags	Link
fix minor infoleak in <code>get_user_ex()</code> · torvalds/linux@1c109fa · GitHub	Issue Tracking Patch Third Party Advisory github.com text/html	CONFIRM github.com/torvalds/linux/commit/1c109fabbd51863475cd12ac206bdd249aee35af

	Release Notes www.kernel.org text/plain	CONFIRM www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.7.5
Linux Kernel CVE-2016-9178 Local Information Disclosure Vulnerability	cve.report (archive) text/html	BID 94144
oss-security - Re: kernel: fix minor infoleak in get_user_ex()	Mailing List Third Party Advisory www.openwall.com text/html	MLIST [oss-security] 20161104 Re: kernel: fix minor infoleak in get_user_ex()
Bug 1391908 – CVE-2016-9178 kernel: Information leak in get_user_ex function	Issue Tracking bugzilla.redhat.com text/html	CONFIRM bugzilla.redhat.com/show_bug.cgi?id=1391908
kernel/git/torvalds/linux.git - Linux kernel source tree	Issue Tracking Patch Third Party Advisory git.kernel.org text/html	CONFIRM git.kernel.org/cgiit/linux/kernel/git/torvalds/linux.git/commit/?id=1c109fabbd51863475cd12ac206bdd249aee35af

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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

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