



CVE-2014-4699

MITRE

NVD

CVE.ORG

JSON API

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Summary	
CVE	CVE-2014-4699
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2014-07-09 11:07:03 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The Linux kernel before 3.15.4 on Intel processors does not properly restrict use of a non-canonical value for the saved RIF

Risk And Classification

Primary CVSS: v2.0 6.9 from nvd@nist.gov

AV:L/AC:M/Au:N/C:C/I:C/A:C

Problem Types: CWE-362 | n/a

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Medium

Authentication

None

Confidentiality

Complete

Integrity

Complete

Availability

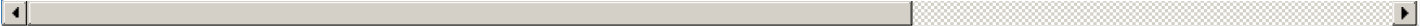
Complete

AV:L/AC:M/Au:N/C:C/I:C/A:C

NVD Known Affected Configurations (CPE 2.3)						
Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All

Vendor Declared Affected Products				
Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified
References				
Reference	Source	Link		
Bug 1115927 – CVE-2014-4699 kernel: x86_64: ptrace: sysret to non-canonical address	af854a3a-2127-422b-91ae-364da2661108	bugzi		
USN-2269-1: Linux kernel (Quantal HWE) vulnerability Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.		
Linux Kernel ptrace/sysret Local Privilege Escalation ≈ Packet Storm	af854a3a-2127-422b-91ae-364da2661108	packe		
linux.oracle.com ELSA-2014-3047	af854a3a-2127-422b-91ae-364da2661108	linux.		
oss-security - Re: CVE-2014-4699: Linux ptrace bug	af854a3a-2127-422b-91ae-364da2661108	open		
About Secunia Research Flexera	af854a3a-2127-422b-91ae-364da2661108	secu		
About Secunia Research Flexera	af854a3a-2127-422b-91ae-364da2661108	secu		
ptrace,x86: force IRET path after a ptrace_stop() · torvalds/linux@b9cd18d · GitHub	af854a3a-2127-422b-91ae-364da2661108	githu		
USN-2270-1: Linux kernel (Raring HWE) vulnerability Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.		
Linux Kernel ptrace/sysret - Local Privilege Escalation	af854a3a-2127-422b-91ae-364da2661108	www.		
About Secunia Research Flexera	af854a3a-2127-422b-91ae-364da2661108	secu		
USN-2267-1: Linux kernel (EC2) vulnerability Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.		
USN-2272-1: Linux kernel (Trusty HWE) vulnerability Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.		
Security Advisory SA60220 - Oracle Linux update for kernel-uek - Secunia	af854a3a-2127-422b-91ae-364da2661108	secu		
www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.4.97	af854a3a-2127-422b-91ae-364da2661108	www.		
www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.10.47	af854a3a-2127-422b-91ae-364da2661108	www.		
About Secunia Research Flexera	af854a3a-2127-422b-91ae-364da2661108	secu		
USN-2274-1: Linux kernel vulnerability Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.		
www.osvdb.org/108754	af854a3a-2127-422b-91ae-364da2661108	www.		
linux.oracle.com ELSA-2014-3048	af854a3a-2127-422b-91ae-364da2661108	linux.		
USN-2266-1: Linux kernel vulnerability Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.		
Debian -- Security Information -- DSA-2972-1 linux	af854a3a-2127-422b-91ae-364da2661108	www.		
USN-2273-1: Linux kernel vulnerability Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.		
oss-security - Re: CVE-2014-4699: Linux ptrace bug	af854a3a-2127-422b-91ae-364da2661108	open		
About Secunia Research Flexera	af854a3a-2127-422b-91ae-364da2661108	secu		
www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.14.11	af854a3a-2127-422b-91ae-364da2661108	www.		
USN-2268-1: Linux kernel vulnerability Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.		
www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.15.4	af854a3a-2127-422b-91ae-364da2661108	www.		
oss-security - CVE-2014-4699: Linux ptrace bug	af854a3a-2127-422b-91ae-364da2661108	www.		
oss-security - Re: CVE-2014-4699: Linux ptrace bug	af854a3a-2127-422b-91ae-364da2661108	open		

oss-security - Re: CVE-2014-4699: Linux ptrace bug	af854a3a-2127-422b-91ae-364da2661108	openSUSE
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
linux.oracle.com ELSA-2014-0924	af854a3a-2127-422b-91ae-364da2661108	linux.oracle.com
USN-2271-1: Linux kernel (Saucy HWE) vulnerability Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.ubuntu.com
kernel/git/torvalds/linux.git - Linux kernel source tree	MITRE	git.kernel.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov



No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.