



CVE-2014-3153

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

CVE	CVE-2014-3153
State	PUBLIC
Assigner	chrome-cve-admin@google.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2014-06-07 14:55:00 UTC
Updated	2023-11-07 02:19:00 UTC
Description	The futex_requeue function in kernel/futex.c in the Linux kernel through 3.14.5 does not ensure that calls have two different

Risk And Classification

EPSS: 0.688920000 probability, percentile 0.986190000 (date 2026-04-02)

CISA KEV: Listed on 2022-05-25; due 2022-06-15; ransomware use Unknown

Problem Types: CWE-269

CISA Known Exploited Vulnerability

Vendor	Linux
Product	Kernel
Name	Linux Kernel Privilege Escalation Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2014-3153

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Opensuse	Opensuse	11.4	All	All	All
Operating System	Opensuse	Opensuse	11.4	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	6.2	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	6.2	All	All	All
Operating System	Suse	Linux Enterprise Desktop	11	sp3	All	All
Operating System	Suse	Linux Enterprise Desktop	11	sp3	All	All

Operating System	Suse	Linux Enterprise High Availability Extension	11	sp3	All	All
Operating System	Suse	Linux Enterprise High Availability Extension	11	sp3	All	All
Operating System	Suse	Linux Enterprise Real Time Extension	11	sp3	All	All
Operating System	Suse	Linux Enterprise Real Time Extension	11	sp3	All	All
Operating System	Suse	Linux Enterprise Server	11	-	All	All
Operating System	Suse	Linux Enterprise Server	11	sp2	All	All
Operating System	Suse	Linux Enterprise Server	11	sp3	All	All
Operating System	Suse	Linux Enterprise Server	11	sp3	All	All
Operating System	Suse	Linux Enterprise Server	11	-	All	All
Operating System	Suse	Linux Enterprise Server	11	sp2	All	All
Operating System	Suse	Linux Enterprise Server	11	sp3	All	All
Operating System	Suse	Linux Enterprise Server	11	sp3	All	All

References

Reference	Source	Link
USN-2237-1: Linux kernel (Quantal HWE) vulnerability Ubuntu	UBUNTU	www.ubuntu.com
About Secunia Research Flexera		secunia.com
Red Hat Customer Portal		rhn.redhat.com
futex-prevent-requeue-pi-on-same-futex.patch futex: Forbid uaddr == u... · torvalds/linux@e9c243a · GitHub	CONFIRM	github.com
[security-announce] SUSE-SU-2014:1319-1: important: Security update for		lists.opensuse.org
linux.oracle.com ELSA-2014-3038	CONFIRM	linux.oracle.com
oss-security - Re: Linux kernel futex local privilege escalation (CVE-2014-3153)	MLIST	openwall.com
linux.oracle.com ELSA-2014-3037	CONFIRM	linux.oracle.com
kernel/git/torvalds/linux.git - Linux kernel source tree		git.kernel.org
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org
USN-2240-1: Linux kernel vulnerabilities Ubuntu		www.ubuntu.com
Linux Kernel PI Futex Requeuing Bug Lets Local Users Gain Elevated Privileges - SecurityTracker		www.securitytrack
Exploiting CVE-2014-3153 (Towelroot) Elon Gliksberg	MISC	elongl.github.io
[security-announce] openSUSE-SU-2014:0878-1: important: kernel update fi		lists.opensuse.org
kernel/git/torvalds/linux.git - Linux kernel source tree		git.kernel.org
[security-announce] SUSE-SU-2014:0775-1: critical: Security update for L		lists.opensuse.org
Security Advisory SA59029 - Linux Kernel Futex Requeue Privilege Escalation Vulnerability - Secunia		secunia.com
oss-security - Linux kernel futex local privilege escalation (CVE-2014-3153)		www.openwall.co
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org
oss-security - Re: Linux Kernel: local priv escalation via futexes	MISC	www.openwall.co

oss-security - Re: Linux kernel futex local privilege escalation (CVE-2014-3153)		openwall.com
Security Advisory SA59262 - Oracle Linux update for kernel - Secunia	SECUNIA	secunia.com
oss-security - Re: Linux Kernel: local priv escalation via futexes		www.openwall.com
About Secunia Research Flexera		secunia.com
About Secunia Research Flexera	SECUNIA	secunia.com
git.kernel.org		git.kernel.org
Bug 1103626 – CVE-2014-3153 kernel: futex: pi futexes requeue issue	CONFIRM	bugzilla.redhat.com
Security Advisory SA59599 - Ubuntu update for kernel - Secunia		secunia.com
linux.oracle.com ELSA-2014-0771 - kernel security and bug fix update	CONFIRM	linux.oracle.com
Security Advisory SA59092 - Oracle Linux update for kernel-uek - Secunia		secunia.com
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GitHub - elongl/CVE-2014-3153: Exploiting CVE-2014-3153, AKA Towelroot.	MISC	github.com
linux.oracle.com ELSA-2014-3039	CONFIRM	linux.oracle.com
[security-announce] SUSE-SU-2014:1316-1: important: Security update for	SUSE	lists.opensuse.org
About Secunia Research Flexera	SECUNIA	secunia.com
[security-announce] SUSE-SU-2014:0837-1: important: Security update for		lists.opensuse.org
Linux Kernel - libfutex - Local Root for RHEL/CentOS 7.0.1406		www.exploit-db.com
Linux Kernel CVE-2014-3153 Local Privilege Escalation Vulnerability	BID	www.securityfocus.com
[security-announce] SUSE-SU-2014:0796-1: important: Security update for	SUSE	lists.opensuse.org
Debian -- Security Information -- DSA-2949-1 linux		www.debian.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov
CISA Known Exploited Vulnerabilities catalog	CISA	www.cisa.gov

No vendor comments have been submitted for this CVE.

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

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