



CVE-2014-8559

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#)

Summary

CVE	CVE-2014-8559
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2014-11-10 11:55:00 UTC
Updated	2020-08-13 17:42:00 UTC
Description	The d_walk function in fs/dcache.c in the Linux kernel through 3.17.2 does not properly maintain the semantics of rename_

Risk And Classification

Problem Types: CWE-400

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.10	All	All	All
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.10	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Novell	Suse Linux Enterprise Desktop	12.0	All	All	All
Operating System	Novell	Suse Linux Enterprise Desktop	12.0	All	All	All
Operating System	Novell	Suse Linux Enterprise Server	12.0	All	All	All
Operating System	Novell	Suse Linux Enterprise Server	12.0	All	All	All
Operating System	Opensuse	Evergreen	11.4	All	All	All
Operating System	Opensuse	Evergreen	11.4	All	All	All
Operating System	Opensuse	Opensuse	13.1	All	All	All
Operating System	Opensuse	Opensuse	13.1	All	All	All
Operating System	Oracle	Linux	7	-	All	All
Operating System	Oracle	Linux	7	-	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 Software Development Kit	12	-	All	All
Operating System	Suse	Linux Enterprise Software Development Kit	12	-	All	All
Operating System	Suse	Linux Enterprise Workstation Extension	12	All	All	All
Operating System	Suse	Linux Enterprise Workstation Extension	12	All	All	All
Operating System	Suse	Suse Linux Enterprise Server	11	sp2	All	All
Operating System	Suse	Suse Linux Enterprise Server	11	sp2	All	All

References

Reference	Source	Link
LKML: Al Viro: Re: fs: lockup on rename_mutex in fs/dcache.c:1035	MLIST	lkn
Red Hat Customer Portal	REDHAT	rhr
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git
support.f5.com/csp/article/K05211147	CONFIRM	su
Red Hat Customer Portal	REDHAT	rhr
[security-announce] SUSE-SU-2015:0529-1: important: Security update for	SUSE	list
[security-announce] openSUSE-SU-2015:0714-1: important: Security update	SUSE	list
Linux Kernel VFS Deadlock Lets Local Users Cause Denial of Service Conditions on the Target System - SecurityTracker	SECTRACK	ww
LKML: Al Viro: Re: fs: lockup on rename_mutex in fs/dcache.c:1035	MLIST	lkn
USN-2517-1: Linux kernel (Utopic HWE) vulnerabilities Ubuntu	UBUNTU	ww
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git
About Secunia Research Flexera	SECUNIA	se
LKML: Al Viro: Re: fs: lockup on rename_mutex in fs/dcache.c:1035	MLIST	lkn
LKML: Al Viro: Re: fs: lockup on rename_mutex in fs/dcache.c:1035	MLIST	lkn
USN-2516-1: Linux kernel vulnerabilities Ubuntu	UBUNTU	ww
LKML: Al Viro: Re: fs: lockup on rename_mutex in fs/dcache.c:1035	MLIST	lkn
[security-announce] SUSE-SU-2015:0736-1: important: Security update for	SUSE	list
USN-2492-1: Linux kernel vulnerabilities Ubuntu	UBUNTU	ww
LKML: Sasha Levin: fs: lockup on rename_mutex in fs/dcache.c:1035	MLIST	lkn
USN-2515-1: Linux kernel (Trusty HWE) vulnerabilities Ubuntu	UBUNTU	ww
[security-announce] SUSE-SU-2015:0178-1: important: Security update for	SUSE	list
[security-announce] openSUSE-SU-2015:0566-1: important: kernel update fo	SUSE	list
Debian -- Security Information -- DSA-3170-1 linux	DEBIAN	ww
Oracle Linux Bulletin - October 2015	CONFIRM	ww
...	CONFIRM	...

Bug 1159313 – CVE-2014-8559 Kernel: fs: deadlock due to incorrect usage of rename_lock	CONFIRM	bu
[security-announce] SUSE-SU-2015:0481-1: important: Security update for	SUSE	list
USN-2518-1: Linux kernel vulnerabilities Ubuntu	UBUNTU	ww
oss-security - CVE-2014-8559 - Linux kernel fs/dcache.c incorrect use of rename_lock	MLIST	ww
Linux Kernel CVE-2014-8559 Local Denial of Service Vulnerability	BID	ww
USN-2493-1: Linux kernel (OMAP4) vulnerabilities Ubuntu	UBUNTU	ww
LKML: Linus Torvalds: Re: fs: lockup on rename_mutex in fs/dcache.c:1035	MLIST	lkn
CVE Program record	CVE.ORG	ww
NVD vulnerability detail	NVD	nv

No vendor comments have been submitted for this CVE.

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

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