



CVE-2015-7872

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CVE-2015-7872

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



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

The `key_gc_unused_keys` function in `security/keys/gc.c` in the Linux kernel through 4.2.6 allows local users to cause a denial of service (OOPS) via crafted `keyctl` commands.

CVE-2015-7872 has been assigned by secalert@redhat.com to track the vulnerability

CVSS2 Score: **2.1 - LOW**

Access
Vector

LOCAL

Access
Complexity

LOW

Authentication

NONE

Confidentiality
Impact

NONE

Integrity
Impact

NONE

Availability
Impact

PARTIAL

CVE References

Description

Tags

Link

USN-2823-1: Linux kernel vulnerabilities
| Ubuntu

www.ubuntu.com
text/html

[UBUNTU USN-2823-1](#)

KEYS: Fix crash when attempt to
garbage collect an uninstantiated key...
· torvalds/linux@f05819d · GitHub

github.com
text/html

[CONFIRM](#)
github.com/torvalds/linux/commit/f05819df10d7b09f6d1eb6f8534a8f68

[security-announce] SUSE-SU-
2016:0384-1: important: Security update
for

lists.opensuse.org
text/html

[SUSE SUSE-SU-2016:0384](#)

Linux Kernel `key_gc_unused_keys()`
Garbage Collection Bug Lets Local
Users Cause Denial of Service
Conditions on the Target System -
SecurityTracker

www.securitytracker.com
text/html

[SECTrack 1034472](#)

[security-announce] SUSE-SU-2015:2350-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2015:2350
USN-2826-1: Linux kernel (Trusty HWE) vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-2826-1
USN-2840-2: Linux kernel (OMAP4) vulnerability Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-2840-2
[security-announce] SUSE-SU-2016:0354-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2016:0354
USN-2843-1: Linux kernel vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-2843-1
Red Hat Customer Portal	access.redhat.com text/html	 MISC access.redhat.com/errata/RHSA-2015:2636
Red Hat Customer Portal	web.archive.org text/html Inactive Link Not Archived	 REDHAT RHSA-2016:0224
USN-2843-3: Linux kernel (Raspberry Pi 2) vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-2843-3
Debian -- Security Information -- DSA-3396-1 linux	www.debian.org Deprecated Link text/html	 DEBIAN DSA-3396
Red Hat Customer Portal	access.redhat.com text/html	 MISC access.redhat.com/errata/RHSA-2016:0224
kernel/git/torvalds/linux.git - Linux kernel source tree	Vendor Advisory git.kernel.org text/html	 CONFIRM git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit?id=f05819df10d7b09f6d1eb6f8534a8f68e5a4fe61
[security-announce] SUSE-SU-2016:0386-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2016:0386
Red Hat Customer Portal	web.archive.org text/html Inactive Link Not Archived	 REDHAT RHSA-2015:2636
[security-announce] SUSE-SU-2016:0383-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2016:0383
[security-announce] SUSE-SU-2016:0381-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2016:0381
Linux Kernel CVE-2015-7872 Local Privilege Escalation Vulnerability	cve.report (archive) text/html	 BID 77544
[security-announce] SUSE-SU-2016:0387-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2016:0387
Red Hat Customer Portal	access.redhat.com text/html	 MISC access.redhat.com/errata/RHSA-2016:0212
USN-2829-2: Linux kernel (Vivid HWE) vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-2829-2
Red Hat Customer Portal	web.archive.org	 REDHAT RHSA-2016:0185

	text/html Inactive Link Not Archived	
[security-announce] SUSE-SU-2015:2108-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2015:2108
[security-announce] SUSE-SU-2016:0380-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2016:0380
[security-announce] SUSE-SU-2016:2074-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2016:2074
[security-announce] SUSE-SU-2015:2194-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2015:2194
[security-announce] SUSE-SU-2015:2339-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2015:2339
Bug 1272172 – Using request_key() or keyctl request2 to get a kernel causes the key garbage collector to crash	bugzilla.redhat.com text/html	 CONFIRM bugzilla.redhat.com/show_bug.cgi?id=1272172
Merge branch 'keys-fixes' of git://git.kernel.org/pub/scm/linux/kernel... · torvalds/linux@ce1fad2 · GitHub	Vendor Advisory github.com text/html	 CONFIRM github.com/torvalds/linux/commit/ce1fad2740c648a4340f6f6c391a8a8
USN-2829-1: Linux kernel vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-2829-1
Oracle Linux Bulletin - October 2015	www.oracle.com text/html	 CONFIRM www.oracle.com/technetwork/topics/security/linuxbulletin2719645.html
oss-security - Re: CVE request: crash when attempt to garbage collect an uninstanitated keyring - Linux kernel	www.openwall.com text/html	 MLIST [oss-security] 20151020 Re: CVE request: crash when attempt to garbage collect an uninstanitated keyring - Linux kernel
'[security bulletin] HPSBGN03565 rev.1 - HPE Virtualization Performance Viewer, Local Denial of Servi' - MARC	marc.info text/html	 HP HPSBGN03565
Oracle Linux Bulletin - January 2016	www.oracle.com text/html	 CONFIRM www.oracle.com/technetwork/topics/security/linuxbulletin2867209.html
USN-2824-1: Linux kernel (Utopic HWE) vulnerability Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-2824-1
Red Hat Customer Portal	access.redhat.com text/html	 MISC access.redhat.com/errata/RHSA-2016:0185
[security-announce] SUSE-SU-2016:0337-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2016:0337
[security-announce] SUSE-SU-2016:0434-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2016:0434
Bug 1272371 – CVE-2015-7872 kernel: Keyrings crash triggerable by unprivileged user	bugzilla.redhat.com text/html	 CONFIRM bugzilla.redhat.com/show_bug.cgi?id=1272371
Android Security Bulletin—December 2016 Android Open Source Project	source.android.com text/html	 CONFIRM source.android.com/security/bulletin/2016-12-01.html

Red Hat Customer Portal	web.archive.org text/html Inactive Link Not Archived	 REDHAT RHSA-2016:0212
[security-announce] SUSE-SU-2016:0335-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2016:0335
Document Display HPE Support Center	h20566.www2.hpe.com text/html	 CONFIRM h20566.www2.hpe.com/portal/site/hpsc/public/kb/docDisplay.do?docId=emr_na-c05068676
[security-announce] openSUSE-SU-2016:1008-1: important: Security update	lists.opensuse.org text/html	 SUSE openSUSE-SU-2016:1008
USN-2840-1: Linux kernel vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-2840-1
USN-2843-2: Linux kernel (Wily HWE) vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-2843-2
kernel/git/torvalds/linux.git - Linux kernel source tree	git.kernel.org text/html	 CONFIRM git.kernel.org/cgi/linux/kernel/git/torvalds/linux.git/commit?id=ce1fad2740c648a4340f6f6c391a8a83769d2e8c
[security-announce] SUSE-SU-2015:2292-1: important: Security update for	lists.opensuse.org text/html	 SUSE SUSE-SU-2015:2292
CVE-2015-7872 - Red Hat Customer Portal	access.redhat.com text/html	 MISC access.redhat.com/security/cve/CVE-2015-7872

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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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