



CVE-2015-4170

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

CVE	CVE-2015-4170
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-05-02 10:59:00 UTC
Updated	2017-11-12 02:29:00 UTC
Description	Race condition in the ldsem_cmpxchg function in drivers/tty/tty_ldsem.c in the Linux kernel before 3.13-rc4-next-20131218

Risk And Classification

Problem Types: CWE-362

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	Redhat	Enterprise Linux Compute Node Eus	7.1	All	All	All
Operating System	Redhat	Enterprise Linux Compute Node Eus	7.1	All	All	All
Operating System	Redhat	Enterprise Linux For Ibm Z Systems Eus	7.1_s390x	All	All	All
Operating System	Redhat	Enterprise Linux For Ibm Z Systems Eus	7.1_s390x	All	All	All
Operating System	Redhat	Enterprise Linux For Power Big Endian Eus	7.1_ppc64	All	All	All
Operating System	Redhat	Enterprise Linux For Power Big Endian Eus	7.1_ppc64	All	All	All
Operating System	Redhat	Enterprise Linux For Power Little Endian Eus	7.1_ppc64le	All	All	All
Operating System	Redhat	Enterprise Linux For Power Little Endian Eus	7.1_ppc64le	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.1	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.1	All	All	All

References

Reference	Source	Link	Tags
Red Hat Customer Portal	REDHAT	access.redhat.com	Third Party Ac
Bug 1218879 – CVE-2015-4170 kernel: pty layer race condition on tty ldisc shutdown.	CONFIRM	bugzilla.redhat.com	Issue Tracking
tty: Fix hang at ldsem_down_read() · torvalds/linux@cf87277 · GitHub	CONFIRM	github.com	

oss-security - CVE request: vulnerability in the kernel tty subsystem.	MLIST	www.openwall.com	
Oracle Linux Bulletin - October 2015	CONFIRM	www.oracle.com	
Linux Kernel 'tty/tty_ldsem.c' Local Race Condition Vulnerability	BID	www.securityfocus.com	
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org	Vendor Adviso
www.kernel.org/pub/linux/kernel/next/patch-v3.13-rc4-next-20131218.xz	CONFIRM	www.kernel.org	Patch
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, and

No vendor comments have been submitted for this CVE.

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

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