



CVE-2013-4483

- MITRE
- NVD
- CVE.ORG
- JSON API
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Summary

CVE	CVE-2013-4483
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2013-11-04 15:55:05 UTC
Updated	2026-04-29 01:13:23 UTC
Description	The ipc_rcu_putref function in ipc/util.c in the Linux kernel before 3.10 does not properly manage a reference count, which allows local users to cause a denial of service (kernel panic) via a crafted process.

Risk And Classification

Primary CVSS: v2.0 4.9 from nvd@nist.gov

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

Problem Types: CWE-189 | n/a

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Complete

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	3.0	rc1	All	All

Operating System	Linux	Linux Kernel	3.0	rc2	All	All
Operating System	Linux	Linux Kernel	3.0	rc3	All	All
Operating System	Linux	Linux Kernel	3.0	rc4	All	All
Operating System	Linux	Linux Kernel	3.0	rc5	All	All
Operating System	Linux	Linux Kernel	3.0	rc6	All	All
Operating System	Linux	Linux Kernel	3.0	rc7	All	All
Operating System	Linux	Linux Kernel	3.0.1	All	All	All
Operating System	Linux	Linux Kernel	3.0.10	All	All	All
Operating System	Linux	Linux Kernel	3.0.11	All	All	All
Operating System	Linux	Linux Kernel	3.0.12	All	All	All
Operating System	Linux	Linux Kernel	3.0.13	All	All	All
Operating System	Linux	Linux Kernel	3.0.14	All	All	All
Operating System	Linux	Linux Kernel	3.0.15	All	All	All
Operating System	Linux	Linux Kernel	3.0.16	All	All	All
Operating System	Linux	Linux Kernel	3.0.17	All	All	All
Operating System	Linux	Linux Kernel	3.0.18	All	All	All
Operating System	Linux	Linux Kernel	3.0.19	All	All	All
Operating System	Linux	Linux Kernel	3.0.2	All	All	All
Operating System	Linux	Linux Kernel	3.0.20	All	All	All
Operating System	Linux	Linux Kernel	3.0.21	All	All	All
Operating System	Linux	Linux Kernel	3.0.22	All	All	All
Operating System	Linux	Linux Kernel	3.0.23	All	All	All
Operating System	Linux	Linux Kernel	3.0.24	All	All	All
Operating System	Linux	Linux Kernel	3.0.25	All	All	All
Operating System	Linux	Linux Kernel	3.0.26	All	All	All
Operating System	Linux	Linux Kernel	3.0.27	All	All	All
Operating System	Linux	Linux Kernel	3.0.28	All	All	All
Operating System	Linux	Linux Kernel	3.0.29	All	All	All
Operating System	Linux	Linux Kernel	3.0.3	All	All	All
Operating System	Linux	Linux Kernel	3.0.30	All	All	All
Operating System	Linux	Linux Kernel	3.0.31	All	All	All
Operating System	Linux	Linux Kernel	3.0.32	All	All	All
Operating System	Linux	Linux Kernel	3.0.33	All	All	All
Operating System	Linux	Linux Kernel	3.0.34	All	All	All
Operating System	Linux	Linux Kernel	3.0.35	All	All	All
Operating System	Linux	Linux Kernel	3.0.36	All	All	All

[illegible]

Operating System	Linux	Linux Kernel	3.0.7	All	All	All
Operating System	Linux	Linux Kernel	3.0.8	All	All	All
Operating System	Linux	Linux Kernel	3.0.9	All	All	All
Operating System	Linux	Linux Kernel	3.1	All	All	All
Operating System	Linux	Linux Kernel	3.1	rc1	All	All
Operating System	Linux	Linux Kernel	3.1	rc2	All	All
Operating System	Linux	Linux Kernel	3.1	rc3	All	All
Operating System	Linux	Linux Kernel	3.1	rc4	All	All
Operating System	Linux	Linux Kernel	3.1.1	All	All	All
Operating System	Linux	Linux Kernel	3.1.10	All	All	All
Operating System	Linux	Linux Kernel	3.1.2	All	All	All
Operating System	Linux	Linux Kernel	3.1.3	All	All	All
Operating System	Linux	Linux Kernel	3.1.4	All	All	All
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Operating System	Linux	Linux Kernel	3.1.6	All	All	All
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Operating System	Linux	Linux Kernel	3.2	rc2	All	All
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Operating System	Linux	Linux Kernel	3.8.6	All	All	All
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Operating System	Linux	Linux Kernel	3.8.8	All	All	All
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Operating System	Linux	Linux Kernel	3.9	rc5	All	All
Operating System	Linux	Linux Kernel	3.9	rc6	All	All
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Operating System	Linux	Linux Kernel	3.9.9	All	All	All
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	
oss-security - Re: CVE Request -- Linux kernel: ipc: ipc_rcu_putref refcount races	af854a3a-2127-422b-91ae-364da2661108		www.openwrt.org	
www.kernel.org/pub/linux/kernel/v3.x/patch-3.10.bz2	af854a3a-2127-422b-91ae-364da2661108		www.kernel.org	
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108		rhn.redhat.com	
git.kernel.org	af854a3a-2127-422b-91ae-364da2661108		git.kernel.org	
Bug 1024854 – CVE-2013-4483 kernel: ipc: ipc_rcu_putref refcount races	af854a3a-2127-422b-91ae-364da2661108		bugzilla.redhat.com	
ipc,sem: fine grained locking for semtimedop · torvalds/linux@6062a8d · GitHub	af854a3a-2127-422b-91ae-364da2661108		github.com	
openSUSE-SU-2014:0247-1: moderate: kernel update	af854a3a-2127-422b-91ae-364da2661108		lists.opensuse.org	
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108		rhn.redhat.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.				

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