



CVE-2012-3520

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

Summary

CVE	CVE-2012-3520
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2012-10-03 11:02:00 UTC
Updated	2023-02-13 04:34:00 UTC
Description	The Netlink implementation in the Linux kernel before 3.2.30 does not properly handle messages that lack SCM_CREDENTIALS, which could allow a local user to cause a denial of service or, on some architectures, escalate privileges.

Risk And Classification

Problem Types: CWE-287

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	2.3.2	All	All	All
Operating System	Linux	Linux Kernel	2.3.20	All	All	All
Operating System	Linux	Linux Kernel	2.3.21	All	All	All
Operating System	Linux	Linux Kernel	2.3.22	All	All	All
Operating System	Linux	Linux Kernel	2.3.23	All	All	All
Operating System	Linux	Linux Kernel	2.3.24	All	All	All
Operating System	Linux	Linux Kernel	2.3.25	All	All	All
Operating System	Linux	Linux Kernel	2.3.26	All	All	All
Operating System	Linux	Linux Kernel	2.3.27	All	All	All
Operating System	Linux	Linux Kernel	2.3.28	All	All	All
Operating System	Linux	Linux Kernel	2.3.29	All	All	All
Operating System	Linux	Linux Kernel	2.4.33.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.13.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.33.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.33.20	All	All	All
Operating System	Linux	Linux Kernel	3.2	All	All	All

Operating System	Linux	Linux Kernel	3.2	rc2	All	All
Operating System	Linux	Linux Kernel	3.2	rc3	All	All
Operating System	Linux	Linux Kernel	3.2	rc4	All	All
Operating System	Linux	Linux Kernel	3.2	rc5	All	All
Operating System	Linux	Linux Kernel	3.2	rc6	All	All
Operating System	Linux	Linux Kernel	3.2	rc7	All	All
Operating System	Linux	Linux Kernel	3.2.1	All	All	All
Operating System	Linux	Linux Kernel	3.2.10	All	All	All
Operating System	Linux	Linux Kernel	3.2.11	All	All	All
Operating System	Linux	Linux Kernel	3.2.12	All	All	All
Operating System	Linux	Linux Kernel	3.2.13	All	All	All
Operating System	Linux	Linux Kernel	3.2.14	All	All	All
Operating System	Linux	Linux Kernel	3.2.15	All	All	All
Operating System	Linux	Linux Kernel	3.2.16	All	All	All
Operating System	Linux	Linux Kernel	3.2.17	All	All	All
Operating System	Linux	Linux Kernel	3.2.18	All	All	All
Operating System	Linux	Linux Kernel	3.2.19	All	All	All
Operating System	Linux	Linux Kernel	3.2.2	All	All	All
Operating System	Linux	Linux Kernel	3.2.20	All	All	All
Operating System	Linux	Linux Kernel	3.2.21	All	All	All
Operating System	Linux	Linux Kernel	3.2.22	All	All	All
Operating System	Linux	Linux Kernel	3.2.23	All	All	All
Operating System	Linux	Linux Kernel	3.2.24	All	All	All
Operating System	Linux	Linux Kernel	3.2.25	All	All	All
Operating System	Linux	Linux Kernel	3.2.26	All	All	All
Operating System	Linux	Linux Kernel	3.2.27	All	All	All
Operating System	Linux	Linux Kernel	3.2.28	All	All	All
Operating System	Linux	Linux Kernel	3.2.3	All	All	All
Operating System	Linux	Linux Kernel	3.2.4	All	All	All
Operating System	Linux	Linux Kernel	3.2.5	All	All	All
Operating System	Linux	Linux Kernel	3.2.6	All	All	All
Operating System	Linux	Linux Kernel	3.2.7	All	All	All
Operating System	Linux	Linux Kernel	3.2.8	All	All	All
Operating System	Linux	Linux Kernel	3.2.9	All	All	All
Operating System	Linux	Linux Kernel	3.3.2	All	All	All

Operating System	Linux	Linux Kernel	2.3.2	All	All	All
Operating System	Linux	Linux Kernel	2.3.20	All	All	All
Operating System	Linux	Linux Kernel	2.3.21	All	All	All
Operating System	Linux	Linux Kernel	2.3.22	All	All	All
Operating System	Linux	Linux Kernel	2.3.23	All	All	All
Operating System	Linux	Linux Kernel	2.3.24	All	All	All
Operating System	Linux	Linux Kernel	2.3.25	All	All	All
Operating System	Linux	Linux Kernel	2.3.26	All	All	All
Operating System	Linux	Linux Kernel	2.3.27	All	All	All
Operating System	Linux	Linux Kernel	2.3.28	All	All	All
Operating System	Linux	Linux Kernel	2.3.29	All	All	All
Operating System	Linux	Linux Kernel	2.4.33.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.13.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.33.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.33.20	All	All	All
Operating System	Linux	Linux Kernel	3.2	All	All	All
Operating System	Linux	Linux Kernel	3.2	rc2	All	All
Operating System	Linux	Linux Kernel	3.2	rc3	All	All
Operating System	Linux	Linux Kernel	3.2	rc4	All	All
Operating System	Linux	Linux Kernel	3.2	rc5	All	All
Operating System	Linux	Linux Kernel	3.2	rc6	All	All
Operating System	Linux	Linux Kernel	3.2	rc7	All	All
Operating System	Linux	Linux Kernel	3.2.1	All	All	All
Operating System	Linux	Linux Kernel	3.2.10	All	All	All
Operating System	Linux	Linux Kernel	3.2.11	All	All	All
Operating System	Linux	Linux Kernel	3.2.12	All	All	All
Operating System	Linux	Linux Kernel	3.2.13	All	All	All
Operating System	Linux	Linux Kernel	3.2.14	All	All	All
Operating System	Linux	Linux Kernel	3.2.15	All	All	All
Operating System	Linux	Linux Kernel	3.2.16	All	All	All
Operating System	Linux	Linux Kernel	3.2.17	All	All	All
Operating System	Linux	Linux Kernel	3.2.18	All	All	All
Operating System	Linux	Linux Kernel	3.2.19	All	All	All
Operating System	Linux	Linux Kernel	3.2.2	All	All	All

Operating System	Linux	Linux Kernel	3.2.20	All	All	All
Operating System	Linux	Linux Kernel	3.2.21	All	All	All
Operating System	Linux	Linux Kernel	3.2.22	All	All	All
Operating System	Linux	Linux Kernel	3.2.23	All	All	All
Operating System	Linux	Linux Kernel	3.2.24	All	All	All
Operating System	Linux	Linux Kernel	3.2.25	All	All	All
Operating System	Linux	Linux Kernel	3.2.26	All	All	All
Operating System	Linux	Linux Kernel	3.2.27	All	All	All
Operating System	Linux	Linux Kernel	3.2.28	All	All	All
Operating System	Linux	Linux Kernel	3.2.3	All	All	All
Operating System	Linux	Linux Kernel	3.2.4	All	All	All
Operating System	Linux	Linux Kernel	3.2.5	All	All	All
Operating System	Linux	Linux Kernel	3.2.6	All	All	All
Operating System	Linux	Linux Kernel	3.2.7	All	All	All
Operating System	Linux	Linux Kernel	3.2.8	All	All	All
Operating System	Linux	Linux Kernel	3.2.9	All	All	All
Operating System	Linux	Linux Kernel	3.3.2	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

References						
Reference				Source	Link	
oss-security - CVE-2012-3520 kernel: af_netlink: invalid handling of SCM_CREDENTIALS passing				MLIST	www.openwall.com	
af_netlink: force credentials passing [CVE-2012-3520] · torvalds/linux@e0e3cea · GitHub				CONFIRM	github.com	
openSUSE-SU-2013:0261-1: moderate: kernel: update to 3.4.28				SUSE	lists.opensuse.org	
www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.2.30				CONFIRM	www.kernel.org	
USN-1610-1: Linux kernel vulnerability Ubuntu				UBUNTU	www.ubuntu.com	
[security-announce] openSUSE-SU-2012:1330-1: important: kernel: security				SUSE	lists.opensuse.org	
Bug 850449 – CVE-2012-3520 kernel: af_netlink: invalid handling of SCM_CREDENTIALS passing				CONFIRM	bugzilla.redhat.com	
kernel/git/torvalds/linux.git - Linux kernel source tree				MISC	git.kernel.org	
Security Advisory SA50848 - Ubuntu update for kernel - Secunia				SECUNIA	secunia.com	
Malformed Request				BID	www.securityfocus.com	
Oracle Linux Bulletin - January 2016				CONFIRM	www.oracle.com	
USN-1599-1: Linux kernel (OMAP4) vulnerability Ubuntu				UBUNTU	www.ubuntu.com	
kernel/git/torvalds/linux.git - Linux kernel source tree				CONFIRM	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.

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

Free CVE JSON API [cve.report/api](#)

CVE.report and Source URL Uptime Status [status.cve.report](#)