



CVE-2013-0311

- MITRE
- NVD
- CVE.ORG
- JSON API
- Print: PDF

Summary

CVE	CVE-2013-0311
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2013-02-22 00:55:01 UTC
Updated	2026-04-29 01:13:23 UTC
Description	The translate_desc function in drivers/vhost/vhost.c in the Linux kernel before 3.7 does not properly handle cross-region de

Risk And Classification

Primary CVSS: v2.0 6.5 from nvd@nist.gov

AV:A/AC:H/Au:S/C:C/I:C/A:C

Problem Types: NVD-CWE-Other | n/a

CVSS v2.0 Breakdown

Access Vector

Adjacent

Access Complexity

High

Authentication

Single

Confidentiality

Complete

Integrity

Complete

Availability

Complete

AV:A/AC:H/Au:S/C:C/I:C/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

Operating System	Linux	Linux Kernel	3.0.37	All	All	All
Operating System	Linux	Linux Kernel	3.0.38	All	All	All
Operating System	Linux	Linux Kernel	3.0.39	All	All	All
Operating System	Linux	Linux Kernel	3.0.4	All	All	All
Operating System	Linux	Linux Kernel	3.0.40	All	All	All
Operating System	Linux	Linux Kernel	3.0.41	All	All	All
Operating System	Linux	Linux Kernel	3.0.42	All	All	All
Operating System	Linux	Linux Kernel	3.0.43	All	All	All
Operating System	Linux	Linux Kernel	3.0.44	All	All	All
Operating System	Linux	Linux Kernel	3.0.5	All	All	All
Operating System	Linux	Linux Kernel	3.0.6	All	All	All
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
Operating System	Linux	Linux Kernel	3.1.5	All	All	All
Operating System	Linux	Linux Kernel	3.1.6	All	All	All
Operating System	Linux	Linux Kernel	3.1.7	All	All	All
Operating System	Linux	Linux Kernel	3.1.8	All	All	All
Operating System	Linux	Linux Kernel	3.1.9	All	All	All
Operating System	Linux	Linux Kernel	3.2	All	All	All
Operating System	Linux	Linux Kernel	3.2	rc2	All	All
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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
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Operating System	Linux	Linux Kernel	3.2.10	All	All	All
Operating System	Linux	Linux Kernel	3.2.11	All	All	All
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Operating System	Linux	Linux Kernel	3.2.15	All	All	All
Operating System	Linux	Linux Kernel	3.2.16	All	All	All
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Operating System	Linux	Linux Kernel	3.2.18	All	All	All
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Operating System	Linux	Linux Kernel	3.3	rc3	All	All
Operating System	Linux	Linux Kernel	3.3	rc4	All	All

Operating System	Linux	Linux Kernel	3.3	rc4	All	All
Operating System	Linux	Linux Kernel	3.3	rc5	All	All
Operating System	Linux	Linux Kernel	3.3	rc6	All	All
Operating System	Linux	Linux Kernel	3.3	rc7	All	All
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Operating System	Linux	Linux Kernel	3.3.8	All	All	All
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Operating System	Linux	Linux Kernel	3.4	rc7	All	All
Operating System	Linux	Linux Kernel	3.4.1	All	All	All
Operating System	Linux	Linux Kernel	3.4.10	All	All	All
Operating System	Linux	Linux Kernel	3.4.11	All	All	All
Operating System	Linux	Linux Kernel	3.4.12	All	All	All
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Operating System	Linux	Linux Kernel	3.4.14	All	All	All
Operating System	Linux	Linux Kernel	3.4.15	All	All	All
Operating System	Linux	Linux Kernel	3.4.16	All	All	All
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Operating System	Linux	Linux Kernel	3.4.18	All	All	All
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Operating System	Linux	Linux Kernel	3.4.23	All	All	All

Operating System	Linux	Linux Kernel	3.4.24	All	All	All
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Operating System	Linux	Linux Kernel	3.4.5	All	All	All
Operating System	Linux	Linux Kernel	3.4.6	All	All	All
Operating System	Linux	Linux Kernel	3.4.7	All	All	All
Operating System	Linux	Linux Kernel	3.4.8	All	All	All
Operating System	Linux	Linux Kernel	3.4.9	All	All	All
Operating System	Linux	Linux Kernel	3.5.1	All	All	All
Operating System	Linux	Linux Kernel	3.5.2	All	All	All
Operating System	Linux	Linux Kernel	3.5.3	All	All	All
Operating System	Linux	Linux Kernel	3.5.4	All	All	All
Operating System	Linux	Linux Kernel	3.5.5	All	All	All
Operating System	Linux	Linux Kernel	3.5.6	All	All	All
Operating System	Linux	Linux Kernel	3.5.7	All	All	All
Operating System	Linux	Linux Kernel	3.6.10	All	All	All
Operating System	Linux	Linux Kernel	3.6.9	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Redhat	Enterprise Linux	6.0	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified

References

Reference	Source	Linl
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.
www.kernel.org/pub/linux/kernel/v3.x/patch-3.7.bz2	af854a3a-2127-422b-91ae-364da2661108	www
oss-security - Re: CVE request -- Linux kernel: vhost: fix length for cross region descriptor	af854a3a-2127-422b-91ae-364da2661108	www
Support / Security / Advisories / / MDVSA-2013:176 Mandriva	af854a3a-2127-422b-91ae-364da2661108	www
[security-announce] openSUSE-SU-2013:1187-1: important: 3.0.80 kernel up	af854a3a-2127-422b-91ae-364da2661108	lists
Bug 912905 – CVE-2013-0311 kernel: vhost: fix length for cross region descriptor	af854a3a-2127-422b-91ae-364da2661108	bug.
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364da2661108	git.k
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.

vhost: fix length for cross region descriptor · torvalds/linux@bd97120 · GitHub	af854a3a-2127-422b-91ae-364da2661108	github
kernel/git/torvalds/linux.git - Linux kernel source tree	MITRE	git.k
CVE Program record	CVE.ORG	www
NVD vulnerability detail	NVD	nvd



No vendor comments have been submitted for this CVE.

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

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