



CVE-2004-0685

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

CVE	CVE-2004-0685
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2004-12-23 05:00:00 UTC
Updated	2025-04-03 01:03:51 UTC
Description	Certain USB drivers in the Linux 2.4 kernel use the copy_to_user function on uninitialized structures, which could allow local users to execute arbitrary code with root privileges.

Risk And Classification

Primary CVSS: v2.0 4.6 from nvd@nist.gov

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

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

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

Partial

Integrity

Partial

Availability

Partial

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	2.2.0	All	All	All

Operating System	Linux	Linux Kernel	2.2.1	All	All	All
Operating System	Linux	Linux Kernel	2.2.10	All	All	All
Operating System	Linux	Linux Kernel	2.2.11	All	All	All
Operating System	Linux	Linux Kernel	2.2.12	All	All	All
Operating System	Linux	Linux Kernel	2.2.13	All	All	All
Operating System	Linux	Linux Kernel	2.2.14	All	All	All
Operating System	Linux	Linux Kernel	2.2.15	All	All	All
Operating System	Linux	Linux Kernel	2.2.15	pre16	All	All
Operating System	Linux	Linux Kernel	2.2.15_pre20	All	All	All
Operating System	Linux	Linux Kernel	2.2.16	All	All	All
Operating System	Linux	Linux Kernel	2.2.16	pre6	All	All
Operating System	Linux	Linux Kernel	2.2.17	All	All	All
Operating System	Linux	Linux Kernel	2.2.18	All	All	All
Operating System	Linux	Linux Kernel	2.2.19	All	All	All
Operating System	Linux	Linux Kernel	2.2.2	All	All	All
Operating System	Linux	Linux Kernel	2.2.20	All	All	All
Operating System	Linux	Linux Kernel	2.2.21	All	All	All
Operating System	Linux	Linux Kernel	2.2.22	All	All	All
Operating System	Linux	Linux Kernel	2.2.23	All	All	All
Operating System	Linux	Linux Kernel	2.2.24	All	All	All
Operating System	Linux	Linux Kernel	2.2.25	All	All	All
Operating System	Linux	Linux Kernel	2.2.3	All	All	All
Operating System	Linux	Linux Kernel	2.2.4	All	All	All
Operating System	Linux	Linux Kernel	2.2.5	All	All	All
Operating System	Linux	Linux Kernel	2.2.6	All	All	All
Operating System	Linux	Linux Kernel	2.2.7	All	All	All
Operating System	Linux	Linux Kernel	2.2.8	All	All	All
Operating System	Linux	Linux Kernel	2.2.9	All	All	All
Operating System	Linux	Linux Kernel	2.3.0	All	All	All
Operating System	Linux	Linux Kernel	2.3.99	All	All	All
Operating System	Linux	Linux Kernel	2.3.99	pre1	All	All
Operating System	Linux	Linux Kernel	2.3.99	pre2	All	All
Operating System	Linux	Linux Kernel	2.3.99	pre3	All	All
Operating System	Linux	Linux Kernel	2.3.99	pre4	All	All
Operating System	Linux	Linux Kernel	2.3.99	pre5	All	All
Operating System	Linux	Linux Kernel	2.3.99	pre6	All	All

Operating System	Linux	Linux Kernel	2.3.99	pre7	All	All
Operating System	Linux	Linux Kernel	2.4.0	All	All	All
Operating System	Linux	Linux Kernel	2.4.0	test1	All	All
Operating System	Linux	Linux Kernel	2.4.0	test10	All	All
Operating System	Linux	Linux Kernel	2.4.0	test11	All	All
Operating System	Linux	Linux Kernel	2.4.0	test12	All	All
Operating System	Linux	Linux Kernel	2.4.0	test2	All	All
Operating System	Linux	Linux Kernel	2.4.0	test3	All	All
Operating System	Linux	Linux Kernel	2.4.0	test4	All	All
Operating System	Linux	Linux Kernel	2.4.0	test5	All	All
Operating System	Linux	Linux Kernel	2.4.0	test6	All	All
Operating System	Linux	Linux Kernel	2.4.0	test7	All	All
Operating System	Linux	Linux Kernel	2.4.0	test8	All	All
Operating System	Linux	Linux Kernel	2.4.0	test9	All	All
Operating System	Linux	Linux Kernel	2.4.1	All	All	All
Operating System	Linux	Linux Kernel	2.4.10	All	All	All
Operating System	Linux	Linux Kernel	2.4.11	All	All	All
Operating System	Linux	Linux Kernel	2.4.12	All	All	All
Operating System	Linux	Linux Kernel	2.4.13	All	All	All
Operating System	Linux	Linux Kernel	2.4.14	All	All	All
Operating System	Linux	Linux Kernel	2.4.15	All	All	All
Operating System	Linux	Linux Kernel	2.4.16	All	All	All
Operating System	Linux	Linux Kernel	2.4.17	All	All	All
Operating System	Linux	Linux Kernel	2.4.18	All	All	All
Operating System	Linux	Linux Kernel	2.4.18	All	x86	All
Operating System	Linux	Linux Kernel	2.4.18	pre1	All	All
Operating System	Linux	Linux Kernel	2.4.18	pre2	All	All
Operating System	Linux	Linux Kernel	2.4.18	pre3	All	All
Operating System	Linux	Linux Kernel	2.4.18	pre4	All	All
Operating System	Linux	Linux Kernel	2.4.18	pre5	All	All
Operating System	Linux	Linux Kernel	2.4.18	pre6	All	All
Operating System	Linux	Linux Kernel	2.4.18	pre7	All	All
Operating System	Linux	Linux Kernel	2.4.18	pre8	All	All
Operating System	Linux	Linux Kernel	2.4.19	All	All	All
Operating System	Linux	Linux Kernel	2.4.19	pre1	All	All

Operating System	Linux	Linux Kernel	2.4.19	pre2	All	All
Operating System	Linux	Linux Kernel	2.4.19	pre3	All	All
Operating System	Linux	Linux Kernel	2.4.19	pre4	All	All
Operating System	Linux	Linux Kernel	2.4.19	pre5	All	All
Operating System	Linux	Linux Kernel	2.4.19	pre6	All	All
Operating System	Linux	Linux Kernel	2.4.2	All	All	All
Operating System	Linux	Linux Kernel	2.4.20	All	All	All
Operating System	Linux	Linux Kernel	2.4.21	All	All	All
Operating System	Linux	Linux Kernel	2.4.21	pre1	All	All
Operating System	Linux	Linux Kernel	2.4.21	pre4	All	All
Operating System	Linux	Linux Kernel	2.4.21	pre7	All	All
Operating System	Linux	Linux Kernel	2.4.22	All	All	All
Operating System	Linux	Linux Kernel	2.4.23	All	All	All
Operating System	Linux	Linux Kernel	2.4.23	pre9	All	All
Operating System	Linux	Linux Kernel	2.4.23_ow2	All	All	All
Operating System	Linux	Linux Kernel	2.4.24	All	All	All
Operating System	Linux	Linux Kernel	2.4.24_ow1	All	All	All
Operating System	Linux	Linux Kernel	2.4.25	All	All	All
Operating System	Linux	Linux Kernel	2.4.26	All	All	All
Operating System	Linux	Linux Kernel	2.4.27	pre1	All	All
Operating System	Linux	Linux Kernel	2.4.27	pre2	All	All
Operating System	Linux	Linux Kernel	2.4.27	pre3	All	All
Operating System	Linux	Linux Kernel	2.4.27	pre4	All	All
Operating System	Linux	Linux Kernel	2.4.27	pre5	All	All
Operating System	Linux	Linux Kernel	2.4.3	All	All	All
Operating System	Linux	Linux Kernel	2.4.4	All	All	All
Operating System	Linux	Linux Kernel	2.4.5	All	All	All
Operating System	Linux	Linux Kernel	2.4.6	All	All	All
Operating System	Linux	Linux Kernel	2.4.7	All	All	All
Operating System	Linux	Linux Kernel	2.4.8	All	All	All
Operating System	Linux	Linux Kernel	2.4.9	All	All	All
Operating System	Linux	Linux Kernel	2.5.0	All	All	All
Operating System	Linux	Linux Kernel	2.5.1	All	All	All
Operating System	Linux	Linux Kernel	2.5.10	All	All	All
Operating System	Linux	Linux Kernel	2.5.11	All	All	All
Operating System	Linux	Linux Kernel	2.5.12	All	All	All

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Operating System	Linux	Linux Kernel	2.5.45	All	All	All
Operating System	Linux	Linux Kernel	2.5.46	All	All	All
Operating System	Linux	Linux Kernel	2.5.47	All	All	All
Operating System	Linux	Linux Kernel	2.5.48	All	All	All
Operating System	Linux	Linux Kernel	2.5.49	All	All	All
Operating System	Linux	Linux Kernel	2.5.5	All	All	All
Operating System	Linux	Linux Kernel	2.5.50	All	All	All
Operating System	Linux	Linux Kernel	2.5.51	All	All	All
Operating System	Linux	Linux Kernel	2.5.52	All	All	All
Operating System	Linux	Linux Kernel	2.5.53	All	All	All
Operating System	Linux	Linux Kernel	2.5.54	All	All	All
Operating System	Linux	Linux Kernel	2.5.55	All	All	All
Operating System	Linux	Linux Kernel	2.5.56	All	All	All
Operating System	Linux	Linux Kernel	2.5.57	All	All	All
Operating System	Linux	Linux Kernel	2.5.58	All	All	All
Operating System	Linux	Linux Kernel	2.5.59	All	All	All
Operating System	Linux	Linux Kernel	2.5.6	All	All	All
Operating System	Linux	Linux Kernel	2.5.60	All	All	All
Operating System	Linux	Linux Kernel	2.5.61	All	All	All
Operating System	Linux	Linux Kernel	2.5.62	All	All	All
Operating System	Linux	Linux Kernel	2.5.63	All	All	All
Operating System	Linux	Linux Kernel	2.5.64	All	All	All
Operating System	Linux	Linux Kernel	2.5.65	All	All	All
Operating System	Linux	Linux Kernel	2.5.66	All	All	All
Operating System	Linux	Linux Kernel	2.5.67	All	All	All
Operating System	Linux	Linux Kernel	2.5.68	All	All	All
Operating System	Linux	Linux Kernel	2.5.69	All	All	All
Operating System	Linux	Linux Kernel	2.5.7	All	All	All
Operating System	Linux	Linux Kernel	2.5.8	All	All	All
Operating System	Linux	Linux Kernel	2.5.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.0	All	All	All
Operating System	Linux	Linux Kernel	2.6.0	test1	All	All
Operating System	Linux	Linux Kernel	2.6.0	test10	All	All
Operating System	Linux	Linux Kernel	2.6.0	test11	All	All
Operating System	Linux	Linux Kernel	2.6.0	test2	All	All

Operating System	Linux	Linux Kernel	2.6.0	test3	All	All
Operating System	Linux	Linux Kernel	2.6.0	test4	All	All
Operating System	Linux	Linux Kernel	2.6.0	test5	All	All
Operating System	Linux	Linux Kernel	2.6.0	test6	All	All
Operating System	Linux	Linux Kernel	2.6.0	test7	All	All
Operating System	Linux	Linux Kernel	2.6.0	test8	All	All
Operating System	Linux	Linux Kernel	2.6.0	test9	All	All
Operating System	Linux	Linux Kernel	2.6.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.1	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.1	rc2	All	All
Operating System	Linux	Linux Kernel	2.6.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.6	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.7	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.8	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.8	rc2	All	All
Operating System	Linux	Linux Kernel	2.6.8	rc3	All	All
Operating System	Linux	Linux Kernel	2.6_test9_cvs	All	All	All
Operating System	Redhat	Enterprise Linux	3.0	All	advanced_servers	All
Operating System	Redhat	Enterprise Linux	3.0	All	enterprise_server	All
Operating System	Redhat	Enterprise Linux	3.0	All	workstation	All
Operating System	Redhat	Enterprise Linux Desktop	3.0	All	All	All
Operating System	Trustix	Secure Linux	2.0	All	All	All
Operating System	Trustix	Secure Linux	2.1	All	All	All

Vendor Declared Affected Products

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

References

Reference	Source	Lir
127921 – CAN-2004-0685 usb sparse fixes in 2.4	af854a3a-2127-422b-91ae-364da2661108	bu

US-CERT Vulnerability Note VU#981134	af854a3a-2127-422b-91ae-364da2661108	wv
www.trustix.net/errata/2004/0041	af854a3a-2127-422b-91ae-364da2661108	wv
Secunia - Advisories - Debian update for kernel-source-2.4.18	af854a3a-2127-422b-91ae-364da2661108	se
Debian -- Security Information -- DSA-1067-1 kernel-source-2.4.16	af854a3a-2127-422b-91ae-364da2661108	wv
Secunia - Advisories - Debian update for kernel-source-2.4.16	af854a3a-2127-422b-91ae-364da2661108	se
Gentoo Linux Documentation -- Linux Kernel: Multiple information leaks	af854a3a-2127-422b-91ae-364da2661108	wv
Linux Kernel USB Driver Uninitialized Structure Information Disclosure Vulnerability	af854a3a-2127-422b-91ae-364da2661108	wv
Debian -- Security Information -- DSA-1082-1 kernel-source-2.4.17	af854a3a-2127-422b-91ae-364da2661108	wv
rhn.redhat.com Red Hat Support	af854a3a-2127-422b-91ae-364da2661108	wv
Repository / Oval Repository	af854a3a-2127-422b-91ae-364da2661108	ov
Gentoo Local Security Checks : [GLSA-200408-24] Linux Kernel: Multiple information leaks	af854a3a-2127-422b-91ae-364da2661108	wv
rhn.redhat.com Red Hat Support	af854a3a-2127-422b-91ae-364da2661108	wv
bugzilla.fedora.us/show_bug.cgi	af854a3a-2127-422b-91ae-364da2661108	bu
Secunia - Advisories - Debian update for kernel-source-2.4.19	af854a3a-2127-422b-91ae-364da2661108	se
Secunia - Advisories - Debian update for kernel-source-2.4.17	af854a3a-2127-422b-91ae-364da2661108	se
IBM X-Force Exchange	af854a3a-2127-422b-91ae-364da2661108	ex
Debian -- Security Information -- DSA-1070-1 kernel-source-2.4.19	af854a3a-2127-422b-91ae-364da2661108	wv
Debian -- Security Information -- DSA-1069-1 kernel-source-2.4.18	af854a3a-2127-422b-91ae-364da2661108	wv
CVE Program record	CVE.ORG	wv
NVD vulnerability detail	NVD	nv

No vendor comments have been submitted for this CVE.

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

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