CVE-2010-1088

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

Summary

CVE	CVE-2010-1088
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2010-04-06 22:30:00 UTC
Updated	2026-04-29 01:13:23 UTC
Description	fs/namei.c in Linux kernel 2.6.18 through 2.6.34 does not always follow NFS automount "symlinks," which allows attackers t

Risk And Classification

Primary CVSS: v2.0 5.4 from nvd@nist.gov

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

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

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

High

Authentication

None

Confidentiality

None

Integrity

None

Availability

Complete

AV:N/AC:H/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	2.6.18	All	All	All

Operating System	Linux	Linux Kernel	2.6.18.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.18.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.18.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.18.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.18.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.18.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.18.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.18.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.19	All	All	All
Operating System	Linux	Linux Kernel	2.6.19.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.19.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.19.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.19.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.19.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.19.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.19.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.20	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.10	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.11	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.12	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.13	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.14	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.15	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.16	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.17	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.18	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.19	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.20	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.21	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.7	All	All	All

Operating System	Linux	Linux Kernel	2.6.20.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.21	All	All	All
Operating System	Linux	Linux Kernel	2.6.21.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.21.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.21.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.21.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.21.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.21.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.21.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.22	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.10	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.11	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.12	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.13	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.14	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.15	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.16	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.17	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.18	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.19	All	All	All
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Operating System	Linux	Linux Kernel	2.6.22.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.23	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.10	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.11	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.12	All	All	All

Operating System	Linux	Linux Kernel	2.6.23.13	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.14	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.15	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.16	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.17	All	All	All
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Operating System	Linux	Linux Kernel	2.6.23.3	All	All	All
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Operating System	Linux	Linux Kernel	2.6.23.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.24	All	All	All
Operating System	Linux	Linux Kernel	2.6.24	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.24	rc2	All	All
Operating System	Linux	Linux Kernel	2.6.24	rc3	All	All
Operating System	Linux	Linux Kernel	2.6.24	rc4	All	All
Operating System	Linux	Linux Kernel	2.6.24	rc5	All	All
Operating System	Linux	Linux Kernel	2.6.24.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.24.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.24.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.24.4	All	All	All
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Operating System	Linux	Linux Kernel	2.6.24.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.24.7	All	All	All
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Operating System	Linux	Linux Kernel	2.6.25.14	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.15	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.16	All	All	All

Operating System	Linux	Linux Kernel	2.6.25.17	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.18	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.19	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.20	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.9	All	All	All
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Operating System	Linux	Linux Kernel	2.6.26.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.27	All	All	All
Operating System	Linux	Linux Kernel	2.6.27	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.27	rc2	All	All
Operating System	Linux	Linux Kernel	2.6.27	rc3	All	All
Operating System	Linux	Linux Kernel	2.6.27	rc4	All	All
Operating System	Linux	Linux Kernel	2.6.27	rc5	All	All
Operating System	Linux	Linux Kernel	2.6.27	rc6	All	All
Operating System	Linux	Linux Kernel	2.6.27	rc7	All	All
Operating System	Linux	Linux Kernel	2.6.27	rc8	All	All
Operating System	Linux	Linux Kernel	2.6.27	rc9	All	All
Operating System	Linux	Linux Kernel	2.6.27.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.10	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.11	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.12	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.13	All	All	All

Operating System	Linux	Linux Kernel	2.6.27.14	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.15	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.16	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.17	All	All	All
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Operating System	Linux	Linux Kernel	2.6.27.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.20	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.21	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.22	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.23	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.24	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.25	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.26	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.27	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.28	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.29	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.30	All	All	All
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Operating System	Linux	Linux Kernel	2.6.27.32	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.33	All	All	All
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Operating System	Linux	Linux Kernel	2.6.27.36	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.37	All	All	All
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Operating System	Linux	Linux Kernel	2.6.27.41	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.42	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.43	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.44	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.45	All	All	All

Operating System	Linux	Linux Kernel	2.6.27.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.28	All	All	All
Operating System	Linux	Linux Kernel	2.6.28.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.28.10	All	All	All
Operating System	Linux	Linux Kernel	2.6.28.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.28.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.28.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.28.5	All	All	All
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Operating System	Linux	Linux Kernel	2.6.29.5	All	All	All
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Operating System	Linux	Linux Kernel	2.6.30.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.31	All	All	All
Operating System	Linux	Linux Kernel	2.6.31	rc1	All	All

Operating System	Linux	Linux Kernel	2.6.31	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.31	rc2	All	All
Operating System	Linux	Linux Kernel	2.6.31	rc3	All	All
Operating System	Linux	Linux Kernel	2.6.31	rc4	All	All
Operating System	Linux	Linux Kernel	2.6.31	rc5	All	All
Operating System	Linux	Linux Kernel	2.6.31	rc6	All	All
Operating System	Linux	Linux Kernel	2.6.31	rc7	All	All
Operating System	Linux	Linux Kernel	2.6.31	rc8	All	All
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Operating System	Linux	Linux Kernel	2.6.32.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.33	All	All	All
Operating System	Linux	Linux Kernel	2.6.34	All	All	All
Operating System	Linux	Linux Kernel	2.6.34	rc1	All	All

Operating System	Linux	Linux Kernel	2.6.34	rc2	All	All
Operating System	Linux	Linux Kernel	2.6.34	rc3	All	All
Operating System	Linux	Linux Kernel	2.6.34	rc4	All	All

Vendor Declared Affected Products

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

References

Reference	Source	Link
SUSE update for kernel - Secunia.com	af854a3a-2127-422b-91ae-364da2661108	secun
SecurityFocus	af854a3a-2127-422b-91ae-364da2661108	www.s
Support / Security / Advisories / / MDVSA-2010:198 | Mandriva	af854a3a-2127-422b-91ae-364da2661108	www.r
Support / Security / Advisories / / MDVSA-2010:088 | Mandriva	af854a3a-2127-422b-91ae-364da2661108	www.r
Security Announcement	af854a3a-2127-422b-91ae-364da2661108	www.r
Bug 567813 – CVE-2010-1088 kernel: fix LOOKUP_FOLLOW on automount "symlinks"	af854a3a-2127-422b-91ae-364da2661108	bugzil
VMSA-2011-0003	af854a3a-2127-422b-91ae-364da2661108	www.v
VMware ESX Server Multiple Kernel Vulnerabilities - Advisories - Community	af854a3a-2127-422b-91ae-364da2661108	secun
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364da2661108	git.ker
Debian -- Security Information -- DSA-2053-1 linux-2.6	af854a3a-2127-422b-91ae-364da2661108	www.d
Debian update for linux-2.6 - Advisories - Community	af854a3a-2127-422b-91ae-364da2661108	secun
Linux Kernel NFS Automount 'symlinks' Denial of Service Vulnerability	af854a3a-2127-422b-91ae-364da2661108	www.s
oss-security - CVE request: kernel: NFS DoS related to "automount" symlinks	af854a3a-2127-422b-91ae-364da2661108	www.d
Repository / Oval Repository	af854a3a-2127-422b-91ae-364da2661108	oval.c
[security-announce] SUSE Security Announcement: Linux kernel (SUSE-SA:20	af854a3a-2127-422b-91ae-364da2661108	lists.o
kernel/git/torvalds/linux.git - Linux kernel source tree	MITRE	git.ker
CVE Program record	CVE.ORG	www.d
NVD vulnerability detail	NVD	nvd.ni

Vendor Comments And Credit

Organization	Published	Contributor	Statement
Red Hat	2010-04-07	Vincent Danen	Red Hat is aware of this issue and is tracking it via the following bug: https://bugzilla.redhat.co

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

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status status.cve.report