



CVE-2009-0031

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

CVE	CVE-2009-0031
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2009-01-21 02:30:00 UTC
Updated	2026-04-23 00:35:47 UTC
Description	Memory leak in the keyctl_join_session_keyring function (security/keys/keyctl.c) in Linux kernel 2.6.29-rc2 and earlier allow...

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-399 | 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	2.2.27	All	All	All

Operating System	Linux	Linux Kernel	2.4.36	All	All	All
Operating System	Linux	Linux Kernel	2.4.36.1	All	All	All
Operating System	Linux	Linux Kernel	2.4.36.2	All	All	All
Operating System	Linux	Linux Kernel	2.4.36.3	All	All	All
Operating System	Linux	Linux Kernel	2.4.36.4	All	All	All
Operating System	Linux	Linux Kernel	2.4.36.5	All	All	All
Operating System	Linux	Linux Kernel	2.4.36.6	All	All	All
Operating System	Linux	Linux Kernel	2.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.18	All	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc2	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc3	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc4	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc5	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc6	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc7	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	2.6.20.16	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	2.6.20.20	All	All	All
Operating System	Linux	Linux Kernel	2.6.20.21	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	2.6.22.17	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
Operating System	Linux	Linux Kernel	2.6.22.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.20	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.21	All	All	All
Operating System	Linux	Linux Kernel	2.6.22.22	All	All	All
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	2.6.22_rc1	All	All	All
Operating System	Linux	Linux Kernel	2.6.22_rc7	All	All	All
Operating System	Linux	Linux Kernel	2.6.23	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	2.6.23.15	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
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	2.6.23_rc1	All	All	All
Operating System	Linux	Linux Kernel	2.6.24	All	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
Operating System	Linux	Linux Kernel	2.6.24.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.24.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.24.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.24_rc1	All	All	All
Operating System	Linux	Linux Kernel	2.6.24_rc4	All	All	All
Operating System	Linux	Linux Kernel	2.6.24_rc5	All	All	All
Operating System	Linux	Linux Kernel	2.6.25	All	All	All

Operating System	Linux	Linux Kernel	2.6.25	All	x86_64	All
Operating System	Linux	Linux Kernel	2.6.25.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.1	All	x86_64	All
Operating System	Linux	Linux Kernel	2.6.25.10	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.10	All	x86_64	All
Operating System	Linux	Linux Kernel	2.6.25.11	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.11	All	x86_64	All
Operating System	Linux	Linux Kernel	2.6.25.12	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.12	All	x86_64	All
Operating System	Linux	Linux Kernel	2.6.25.13	All	All	All
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	2.6.25.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.2	All	x86_64	All
Operating System	Linux	Linux Kernel	2.6.25.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.3	All	x86_64	All
Operating System	Linux	Linux Kernel	2.6.25.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.4	All	x86_64	All
Operating System	Linux	Linux Kernel	2.6.25.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.5	All	x86_64	All
Operating System	Linux	Linux Kernel	2.6.25.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.6	All	x86_64	All
Operating System	Linux	Linux Kernel	2.6.25.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.7	All	x86_64	All
Operating System	Linux	Linux Kernel	2.6.25.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.8	All	x86_64	All
Operating System	Linux	Linux Kernel	2.6.25.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.9	All	x86_64	All
Operating System	Linux	Linux Kernel	2.6.26	All	All	All
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	2.6.26.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.27	All	All	All
Operating System	Linux	Linux Kernel	2.6.28	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
Red Hat update for kernel - Secunia Advisories - Vulnerability Information - Secunia.com	af854
Debian update for linux-2.6.24 - Secunia Advisories - Vulnerability Information - Secunia.com	af854
Avaya Products Linux Kernel Denial of Service Vulnerabilities - Secunia Advisories - Vulnerability Information - Secunia.com	af854
Debian -- Security Information -- DSA-1787-1 linux-2.6.24	af854
Debian update for linux-2.6 - Secunia Advisories - Vulnerability Information - Secunia.com	af854
Debian -- Security Information -- DSA-1749-1 linux-2.6	af854
oss-security - CVE-2009-0031 kernel: local denial of service in keyctl_join_session_keyring	af854
Red Hat update for kernel - Secunia Advisories - Vulnerability Information - Secunia.com	af854
[security-announce] SUSE Security Announcement: Linux kernel (SUSE-SA:20	af854
rhn.redhat.com Red Hat Support	af854
Repository / Oval Repository	af854
git2.kernel.org	af854
USN-751-1: Linux kernel vulnerabilities Ubuntu	af854
Support	af854
ASA-2009-114 (RHSA-2009-0331)	af854
Red Hat update for kernel-rt - Secunia Advisories - Vulnerability Information - Secunia.com	af854
osvdb.org/51501	af854
Debian update for linux-2.6 - Secunia Advisories - Vulnerability Information - Secunia.com	af854
Support	af854
Debian -- Security Information -- DSA-1794-1 linux-2.6	af854
CONFIRM:http://git2.kernel.org/?p=linux/kernel/git/torvalds/linux-2.6.git;a=commit;h=0d54ee1c7850a954026deec4cd4885f331da35cc	MITR
CVE Program record	CVE.C
NVD vulnerability detail	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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