# CVE-2010-1437

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

## Summary

| | |
|---|---|
| **CVE** | CVE-2010-1437 |
| **State** | PUBLISHED |
| **Assigner** | redhat |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2010-05-07 18:30:01 UTC |
| **Updated** | 2026-04-29 01:13:23 UTC |
| **Description** | Race condition in the find_keyring_by_name function in security/keys/keyring.c in the Linux kernel 2.6.34-rc5 and earlier all |

## Risk And Classification

**Primary CVSS:** v3.1 7 HIGH from nvd@nist.gov

CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:H/I:H/A:H

**Problem Types:** CWE-362 | CWE-416 | n/a

| Version | Source | Type | Score | Severity | Vector |
|---|---|---|---|---|---|
| 3.1 | nvd@nist.gov | Primary | 7 | HIGH | CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:H/I:H/A:H |
| 2.0 | nvd@nist.gov | Primary | 4.4 | | AV:L/AC:M/Au:N/C:P/I:P/A:P |

## CVSS v3.1 Breakdown

Attack Vector
Local

Attack Complexity
High

Privileges Required
Low

User Interaction
None

Scope
Unchanged

Confidentiality
High

Integrity
High

Availability

High

CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:H/I:H/A:H

## CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Medium

Authentication

None

Confidentiality

Partial

Integrity

Partial

Availability

Partial

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

## NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Operating System | Debian | Debian Linux | 5.0 | All | All | All |
| Operating System | Linux | Linux Kernel | All | 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 |
| Operating System | Linux | Linux Kernel | 2.6.34 | rc5 | All | All |
| Operating System | Opensuse | Opensuse | 11.1 | All | All | All |
| Operating System | Suse | Linux Enterprise Desktop | 11 | - | All | All |
| Operating System | Suse | Linux Enterprise High Availability Extension | 11 | - | All | All |
| Operating System | Suse | Linux Enterprise Server | 11 | - | All | All |

## Vendor Declared Affected Products

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

## References

| Reference | Source |
|---|---|

| | |
|---|---|
| SecurityFocus | af854a3a-2127-422b-91ae-364da266 |
| [1/1,BUG,IMPORTANT] KEYRINGS: find_keyring_by_name() can gain the freed keyring - Patchwork | af854a3a-2127-422b-91ae-364da266 |
| Webmail - OVH | af854a3a-2127-422b-91ae-364da266 |
| 'Re: [PATCH 2/7] KEYS: find_keyring_by_name() can gain access to a' - MARC | af854a3a-2127-422b-91ae-364da266 |
| VMSA-2011-0003 | af854a3a-2127-422b-91ae-364da266 |
| Repository / Oval Repository | af854a3a-2127-422b-91ae-364da266 |
| 404: File not found - Patchwork | af854a3a-2127-422b-91ae-364da266 |
| VMware ESX Server Multiple Kernel Vulnerabilities - Advisories - Community | af854a3a-2127-422b-91ae-364da266 |
| Debian -- Security Information -- DSA-2053-1 linux-2.6 | af854a3a-2127-422b-91ae-364da266 |
| Red Hat update for kernel - Advisories - Community | af854a3a-2127-422b-91ae-364da266 |
| Debian update for linux-2.6 - Advisories - Community | af854a3a-2127-422b-91ae-364da266 |
| Linux Kernel 'find_keyring_by_name()' Local Memory Corruption Vulnerability | af854a3a-2127-422b-91ae-364da266 |
| Bug 585094 – CVE-2010-1437 kernel: keyrings: find_keyring_by_name() can gain the freed keyring | af854a3a-2127-422b-91ae-364da266 |
| IBM X-Force Exchange | af854a3a-2127-422b-91ae-364da266 |
| '[PATCH 0/1][BUG][IMPORTANT] KEYRINGS: find_keyring_by_name() can' - MARC | af854a3a-2127-422b-91ae-364da266 |
| [security-announce] SUSE Security Announcement: Linux kernel (SUSE-SA:20 | af854a3a-2127-422b-91ae-364da266 |
| '[PATCH 2/7] KEYS: find_keyring_by_name() can gain access to a freed' - MARC | af854a3a-2127-422b-91ae-364da266 |
| oss-security - Re: CVE request - kernel: find_keyring_by_name() can gain the freed keyring | af854a3a-2127-422b-91ae-364da266 |
| Security Advisory SA40645 - SUSE update for kernel - Secunia | af854a3a-2127-422b-91ae-364da266 |
| oss-security - CVE request - kernel: find_keyring_by_name() can gain the freed keyring | af854a3a-2127-422b-91ae-364da266 |
| rhn.redhat.com \| Red Hat Support | af854a3a-2127-422b-91ae-364da266 |
| Red Hat Customer Portal | MITRE |
| Red Hat Customer Portal | MITRE |
| Red Hat Customer Portal | MITRE |
| access.redhat.com \| CVE-2010-1437 | MITRE |
| CVE Program record | CVE.ORG |
| NVD vulnerability detail | NVD |

No vendor comments have been submitted for this CVE.

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**