# CVE Detail – CVE-2010-1437

Race condition in the find\_keyring\_by\_name function in security/keys/keyring.c in the Linux kernel 2.6.34-rc5 and earlier allows local users to cause a denial of service (memory corruption and system crash) or possibly have unspecified other impact via keyctl session commands that trigger access to a dead keyring that is undergoing deletion by the key\_cleanup function.

## Threat-Mapped Scoring

Score: 1.5

Priority: P4 - Informational (Low)

## EPSS

EPSS Score: N/A

Percentile: 0.47304

## CVSS Scoring

CVSS v3.1 Score: 7.0

Severity: HIGH

## Mapped CWE(s)

* CWE-362: Concurrent Execution using Shared Resource with Improper Synchronization ('Race Condition')
* CWE-416: Use After Free

## CAPEC(s)

* CAPEC-26: Leveraging Race Conditions
* CAPEC-29: Leveraging Time-of-Check and Time-of-Use (TOCTOU) Race Conditions

## Affected Products

* cpe:2.3:o:linux:linux\_kernel:\*:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:linux:linux\_kernel:2.6.34:rc1:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:linux:linux\_kernel:2.6.34:rc2:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:linux:linux\_kernel:2.6.34:rc3:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:linux:linux\_kernel:2.6.34:rc4:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:linux:linux\_kernel:2.6.34:rc5:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:opensuse:opensuse:11.1:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:suse:linux\_enterprise\_desktop:11:-:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:suse:linux\_enterprise\_high\_availability\_extension:11:-:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:suse:linux\_enterprise\_server:11:-:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:debian:debian\_linux:5.0:\*:\*:\*:\*:\*:\*:\*