# CVE-2014-3940

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

## Summary

| | |
|---|---|
| **CVE** | CVE-2014-3940 |
| **State** | PUBLIC |
| **Assigner** | cve@mitre.org |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2014-06-05 17:55:00 UTC |
| **Updated** | 2021-07-15 19:16:00 UTC |
| **Description** | The Linux kernel through 3.14.5 does not properly consider the presence of hugetlb entries, which allows local users to cau |

## Risk And Classification

**Problem Types:** CWE-362

## NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Operating System | Linux | Linux Kernel | 3.14 | - | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc1 | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc2 | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc3 | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc4 | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc5 | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc6 | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc7 | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc8 | All | All |
| Operating System | Linux | Linux Kernel | 3.14.1 | All | All | All |
| Operating System | Linux | Linux Kernel | 3.14.2 | All | All | All |
| Operating System | Linux | Linux Kernel | 3.14.3 | All | All | All |
| Operating System | Linux | Linux Kernel | 3.14.4 | All | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | - | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc1 | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc2 | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc3 | All | All |

| | | | | | | |
|---|---|---|---|---|---|---|
| Operating System | Linux | Linux Kernel | 3.14 | rc4 | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc5 | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc6 | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc7 | All | All |
| Operating System | Linux | Linux Kernel | 3.14 | rc8 | All | All |
| Operating System | Linux | Linux Kernel | 3.14.1 | All | All | All |
| Operating System | Linux | Linux Kernel | 3.14.2 | All | All | All |
| Operating System | Linux | Linux Kernel | 3.14.3 | All | All | All |
| Operating System | Linux | Linux Kernel | 3.14.4 | All | All | All |
| Operating System | Linux | Linux Kernel | All | All | All | All |
| Operating System | Redhat | Enterprise Linux | 6.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux | 6.0 | All | All | All |
| Application | Redhat | Enterprise Mrg | 2.0 | All | All | All |
| Operating System | Redhat | Enterprise Mrg | 2.0 | All | All | All |
| Application | Redhat | Enterprise Mrg | 2.0 | All | All | All |

## References

| Reference | Source | Link |
|---|---|---|
| Red Hat Customer Portal | REDHAT | rhn.rec |
| Security Advisory SA59011 - Linux Kernel HugeTBL Entries Denial of Service Vulnerability - Secunia | SECUNIA | secuni |
| Bug 1104097 – CVE-2014-3940 Kernel: missing check during hugepage migration | CONFIRM | bugzill |
| Security Advisory SA61310 - F5 Multiple Products Linux Kernel Two Vulnerabilities - Secunia | SECUNIA | secuni |
| SOL15685 - Linux kernel vulnerability CVE-2014-3940 | CONFIRM | suppor |
| oss-security - CVE-2014-3940 - Linux kernel - missing check during hugepage migration | MLIST | www.o |
| Linux Kernel CVE-2014-3940 Unspecified Security Vulnerability | BID | www.s |
| LKML: Naoya Horiguchi: [PATCH RESEND -mm 1/2] mm: add !pte_present() check on existing hugetlb_entry callbacks | MLIST | lkml.or |
| Red Hat Customer Portal | REDHAT | rhn.rec |
| CVE Program record | CVE.ORG | www.c |
| NVD vulnerability detail | NVD | nvd.nis |

No vendor comments have been submitted for this CVE.

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