



CVE-2012-2373

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

Summary

CVE	CVE-2012-2373
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2012-08-09 10:29:46 UTC
Updated	2026-04-29 01:13:23 UTC
Description	The Linux kernel before 3.4.5 on the x86 platform, when Physical Address Extension (PAE) is enabled, does not properly u

Risk And Classification

Primary CVSS: v2.0 4 from nvd@nist.gov

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

Problem Types: CWE-362 | n/a

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

High

Authentication

None

Confidentiality

None

Integrity

None

Availability

Complete

AV:L/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	3.4	All	All	All

Operating System	Linux	Linux Kernel	3.4	rc1	All	All
Operating System	Linux	Linux Kernel	3.4	rc2	All	All
Operating System	Linux	Linux Kernel	3.4	rc3	All	All
Operating System	Linux	Linux Kernel	3.4	rc4	All	All
Operating System	Linux	Linux Kernel	3.4	rc5	All	All
Operating System	Linux	Linux Kernel	3.4	rc6	All	All
Operating System	Linux	Linux Kernel	3.4	rc7	All	All
Operating System	Linux	Linux Kernel	3.4.1	All	All	All
Operating System	Linux	Linux Kernel	3.4.2	All	All	All
Operating System	Linux	Linux Kernel	3.4.3	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
USN-1529-1: Linux kernel vulnerabilities Ubuntu	af854a3a-212
'[security bulletin] HPSBGN02970 rev.1 - HP Rapid Deployment Pack (RDP) or HP Insight Control Server ' - MARC	af854a3a-212
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-212
mm: pmd_read_atomic: fix 32bit PAE pmd walk vs pmd_populate SMP race ... · torvalds/linux@26c1917 · GitHub	af854a3a-212
Bug 822821 – CVE-2012-2373 kernel: mm: read_pmd_atomic: 32bit PAE pmd walk vs pmd_populate SMP race condition	af854a3a-212
www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.4.5	af854a3a-212
Red Hat Customer Portal	af854a3a-212
oss-security - Re: CVE Request -- kernel: mm: read_pmd_atomic: 32bit PAE pmd walk vs pmd_populate SMP race condition	af854a3a-212
kernel/git/torvalds/linux.git - Linux kernel source tree	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.

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Free CVE JSON API cve.report/api

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