



CVE-2010-3301

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

Summary

CVE	CVE-2010-3301
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2010-09-22 19:00:03 UTC
Updated	2026-04-29 01:13:23 UTC
Description	The IA32 system call emulation functionality in arch/x86/ia32/ia32entry.S in the Linux kernel before 2.6.36-rc4-git2 on the x86_64 architecture has a buffer overflow in the emulation of the sysenter instruction. This flaw exists because the kernel does not check for a null pointer before dereferencing it. A remote attacker can exploit this to cause a denial of service or execute arbitrary code on the affected system.

Risk And Classification

Primary CVSS: v2.0 7.2 from nvd@nist.gov

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

Problem Types: CWE-269 | n/a

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

Complete

Integrity

Complete

Availability

Complete

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	10.04	All	All	All

Operating System	Canonical	Ubuntu Linux	10.10	All	All	All
Operating System	Canonical	Ubuntu Linux	9.10	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	2.6.36	-	All	All
Operating System	Linux	Linux Kernel	2.6.36	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.36	rc2	All	All
Operating System	Linux	Linux Kernel	2.6.36	rc3	All	All
Operating System	Suse	Linux Enterprise Real Time Extension	11	sp1	All	All

Vendor Declared Affected Products						
Source	Vendor	Product	Version	Platforms		
CNA	Na	N/a	affected n/a	Not specified		

References			
Reference		Source	Link
linux compat vulns (part 2)		af854a3a-2127-422b-91ae-364da2661108	sota.gen.
Support / Security / Advisories // MDVSA-2010:198 Mandriva		af854a3a-2127-422b-91ae-364da2661108	www.mar
404: File not found		af854a3a-2127-422b-91ae-364da2661108	www.kern
git.kernel.org		af854a3a-2127-422b-91ae-364da2661108	git.kernel
Bug 634449 – CVE-2010-3301 kernel: IA32 System Call Entry Point Vulnerability		af854a3a-2127-422b-91ae-364da2661108	bugzilla.r
oss-security - Re: CVE-2010-3301 kernel: IA32 System Call Entry Point Vulnerability		af854a3a-2127-422b-91ae-364da2661108	www.ope
Support / Security / Advisories // MDVSA-2010:247 Mandriva		af854a3a-2127-422b-91ae-364da2661108	www.mar
Webmail : Solution de messagerie professionnelle - OVHcloud- OVH		af854a3a-2127-422b-91ae-364da2661108	www.vup
oss-security - CVE-2010-3301 kernel: IA32 System Call Entry Point Vulnerability		af854a3a-2127-422b-91ae-364da2661108	www.ope
kernel/git/torvalds/linux.git - Linux kernel source tree		af854a3a-2127-422b-91ae-364da2661108	git.kernel
USN-1041-1: Linux kernel vulnerabilities Ubuntu		af854a3a-2127-422b-91ae-364da2661108	www.ubu
Ubuntu update for linux and linux-ec2 - Advisories - Community		af854a3a-2127-422b-91ae-364da2661108	secunia.c
Webmail : Solution de messagerie professionnelle - OVHcloud- OVH		af854a3a-2127-422b-91ae-364da2661108	www.vup
[security-announce] SUSE Security Summary Report: SUSE-SR:2010:017		af854a3a-2127-422b-91ae-364da2661108	lists.oper
Webmail : Solution de messagerie professionnelle - OVHcloud- OVH		af854a3a-2127-422b-91ae-364da2661108	www.vup
[security-announce] SUSE Security Announcement: Realtime Linux Kernel (S		af854a3a-2127-422b-91ae-364da2661108	lists.oper
Support		af854a3a-2127-422b-91ae-364da2661108	www.redl
kernel/git/torvalds/linux.git - Linux kernel source tree		MITRE	git.kernel
kernel/git/torvalds/linux.git - Linux kernel source tree		MITRE	git.kernel
Red Hat Customer Portal		MITRE	access.re
access.redhat.com CVE-2010-3301		MITRE	access.re
CVE Program record		CVE ORG	www.cve

CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov
No vendor comments have been submitted for this CVE.		
There are currently no legacy QID mappings associated with this CVE.		

© CVE.report 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status status.cve.report