



CVE-2010-4162

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2010-4162
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2011-01-03 20:00:42 UTC
Updated	2026-04-29 01:13:23 UTC
Description	Multiple integer overflows in fs/bio.c in the Linux kernel before 2.6.36.2 allow local users to cause a denial of service (system

Risk And Classification

Primary CVSS: v2.0 4.7 from nvd@nist.gov

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

Problem Types: CWE-190 | n/a

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Medium

Authentication

None

Confidentiality

None

Integrity

None

Availability

Complete

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Fedoraproject	Fedora	13	All	All	All

Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Opensuse	Opensuse	11.2	All	All	All
Operating System	Opensuse	Opensuse	11.3	All	All	All
Operating System	Suse	Linux Enterprise Desktop	10	sp3	All	All
Operating System	Suse	Linux Enterprise Desktop	11	sp1	All	All
Operating System	Suse	Linux Enterprise Real Time Extension	11	sp1	All	All
Operating System	Suse	Linux Enterprise Server	10	sp3	All	All
Operating System	Suse	Linux Enterprise Server	11	sp1	All	All
Operating System	Suse	Linux Enterprise Software Development Kit	10	sp3	All	All

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

References	
Reference	Source
access.redhat.com	af854a3a-2127-422b-91ae-364da
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364da
Red Hat update for kernel - Advisories - Community	af854a3a-2127-422b-91ae-364da
[security-announce] SUSE Security Announcement: Linux kernel (SUSE-SA:20	af854a3a-2127-422b-91ae-364da
SUSE update for kernel - Advisories - Community	af854a3a-2127-422b-91ae-364da
Webmail : Solution de messagerie professionnelle - OVHcloud- OVH	af854a3a-2127-422b-91ae-364da
mandriva.com	af854a3a-2127-422b-91ae-364da
Webmail : Solution de messagerie professionnelle - OVHcloud- OVH	af854a3a-2127-422b-91ae-364da
SUSE update for kernel - Advisories - Community	af854a3a-2127-422b-91ae-364da
Bug 652529 – CVE-2010-4162 kernel: bio: integer overflow page count when mapping/copying user data	af854a3a-2127-422b-91ae-364da
[SECURITY] Fedora 13 Update: kernel-2.6.34.7-66.fc13	af854a3a-2127-422b-91ae-364da
[security-announce] SUSE Security Announcement: Linux kernel (SUSE-SA:20	af854a3a-2127-422b-91ae-364da
SUSE update for kernel - Advisories - Community	af854a3a-2127-422b-91ae-364da
oss-security - CVE request: kernel: Multiple DoS issues in block layer	af854a3a-2127-422b-91ae-364da
Fedora update for kernel - Advisories - Community	af854a3a-2127-422b-91ae-364da
Webmail : Solution de messagerie professionnelle - OVHcloud- OVH	af854a3a-2127-422b-91ae-364da
oss-security - Re: CVE request: kernel: Multiple DoS issues in block layer	af854a3a-2127-422b-91ae-364da
Linux Kernel Block Layer Local Denial of Service Vulnerabilities	af854a3a-2127-422b-91ae-364da
[security-announce] SUSE Security Announcement: Linux kernel (SUSE-SA:20	af854a3a-2127-422b-91ae-364da
404: File not found	af854a3a-2127-422b-91ae-364da
Webmail : Solution de messagerie professionnelle - OVHcloud- OVH	af854a3a-2127-422b-91ae-364da

webmail : Solution de messagerie professionnelle - OVHcloud- OVH	af854a3a-2127-422b-91ae-364da
[security-announce] SUSE Security Announcement: Realtime Linux Kernel (S	af854a3a-2127-422b-91ae-364da
[security-announce] SUSE Security Announcement: Linux kernel (SUSE-SA:20	af854a3a-2127-422b-91ae-364da
kernel/git/torvalds/linux.git - Linux kernel source tree	MITRE
Red Hat Customer Portal	MITRE
Red Hat Customer Portal	MITRE
CVE-2010-4162 - Red Hat Customer Portal	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.