



CVE-2011-4127

Published on: 07/03/2012 12:00:00 AM UTC

Last Modified on: 02/13/2023 01:21:00 AM UTC

CVE-2011-4127

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Linux Kernel](#) from [Linux](#) contain the following vulnerability:

The Linux kernel before 3.2.2 does not properly restrict SG_IO ioctl calls, which allows local users to bypass intended restrictions on disk read and write operations by sending a SCSI command to (1) a partition block device or (2) an LVM volume.

CVE-2011-4127 has been assigned by secalert@redhat.com to track the vulnerability

CVSS2 Score: **4.6 - MEDIUM**

Access
Vector

LOCAL

Access
Complexity

LOW

Authentication

NONE

Confidentiality
Impact

PARTIAL

Integrity
Impact

PARTIAL

Availability
Impact

PARTIAL

CVE References

Description

Tags

Link

kernel/git/torvalds/linux.git -
Linux kernel source tree

[web.archive.org](#)

[text/html](#)

Inactive Link Not Archived

MISC git.kernel.org/?p=linux/kernel/git/torvalds/linux-2.6.git%3Ba=commit%3Bh=ec8013beddd717d1740cfefb1a9b900deef85462

Red Hat Customer Portal -
Access to 24x7 support
and knowledge

[access.redhat.com](#)

[text/html](#)

MISC access.redhat.com/security/cve/CVE-2011-4127

[security-announce] SUSE-
SU-2015:0812-1:
important: Security update
for

[lists.opensuse.org](#)

[text/html](#)

SUSE [SUSE-SU-2015:0812](https://lists.opensuse.org/SUSE-SU-2015:0812)

Red Hat Customer Portal

[access.redhat.com](#)

[text/html](#)

MISC access.redhat.com/errata/RHSA-2012:0358

[security-announce] SUSE-

[lists.opensuse.org](#)

SUSE [SUSE-SU-2012:0554](https://lists.opensuse.org/SUSE-SU-2012:0554)

SU-2012:0554-1: important: Security update for	text/html	
oss-security - CVE-2011-4127 kernel: possible privilege escalation via SG_IO ioctl	www.openwall.com text/html	MLIST [oss-security] 20111222 CVE-2011-4127 kernel: possible privilege escalation via SG_IO ioctl
dm: do not forward ioctls from logical volumes to the underlying device · torvalds/linux@ec8013b · GitHub	Exploit Patch github.com text/html	CONFIRM github.com/torvalds/linux/commit/ec8013beddd717d1740cfefb1a9b900deef85462
Bug 752375 – CVE-2011-4127 kernel: possible privilege escalation via SG_IO ioctl	bugzilla.redhat.com text/html	CONFIRM bugzilla.redhat.com/show_bug.cgi?id=752375
Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/errata/RHSA-2012:0107
block: fail SCSI passthrough ioctls on partition devices · torvalds/linux@0bfc96c · GitHub	Exploit Patch github.com text/html	CONFIRM github.com/torvalds/linux/commit/0bfc96cb77224736dfa35c3c555d37b3646ef35e
Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/errata/RHSA-2012:0333
kernel/git/torvalds/linux.git - Linux kernel source tree	web.archive.org text/html Inactive Link Not Archived	MISC git.kernel.org/?p=linux/kernel/git/torvalds/linux-2.6.git%3Ba=commit%3Bh=0bfc96cb77224736dfa35c3c555d37b3646ef35e
	www.kernel.org text/plain	CONFIRM www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.2.2
Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/errata/RHSA-2011:1849
Security Advisory SA48898 - SUSE update for kernel - Secunia	web.archive.org text/html	SECUNIA 48898
Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/errata/RHSA-2011:1850

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	3.0	rc1	All	All
Operating	Linux	Linux Kernel	3.0	rc2	All	All

Operating System	Linux	Linux Kernel	3.0	rc3	All	All
Operating System	Linux	Linux Kernel	3.0	rc3	All	All
Operating System	Linux	Linux Kernel	3.0	rc4	All	All
Operating System	Linux	Linux Kernel	3.0	rc5	All	All
Operating System	Linux	Linux Kernel	3.0	rc6	All	All
Operating System	Linux	Linux Kernel	3.0	rc7	All	All
Operating System	Linux	Linux Kernel	3.0.1	All	All	All
Operating System	Linux	Linux Kernel	3.0.10	All	All	All
Operating System	Linux	Linux Kernel	3.0.11	All	All	All
Operating System	Linux	Linux Kernel	3.0.12	All	All	All
Operating System	Linux	Linux Kernel	3.0.13	All	All	All
Operating System	Linux	Linux Kernel	3.0.14	All	All	All
Operating System	Linux	Linux Kernel	3.0.15	All	All	All
Operating System	Linux	Linux Kernel	3.0.16	All	All	All
Operating System	Linux	Linux Kernel	3.0.17	All	All	All
Operating System	Linux	Linux Kernel	3.0.18	All	All	All
Operating System	Linux	Linux Kernel	3.0.19	All	All	All
Operating System	Linux	Linux Kernel	3.0.2	All	All	All
Operating System	Linux	Linux Kernel	3.0.20	All	All	All
Operating System	Linux	Linux Kernel	3.0.21	All	All	All
Operating System	Linux	Linux Kernel	3.0.22	All	All	All
Operating System	Linux	Linux Kernel	3.0.23	All	All	All
Operating System	Linux	Linux Kernel	3.0.24	All	All	All
Operating System	Linux	Linux Kernel	3.0.25	All	All	All

Operating System	Linux	Linux Kernel	3.0.25	All	All	All
Operating System	Linux	Linux Kernel	3.0.26	All	All	All
Operating System	Linux	Linux Kernel	3.0.27	All	All	All
Operating System	Linux	Linux Kernel	3.0.28	All	All	All
Operating System	Linux	Linux Kernel	3.0.29	All	All	All
Operating System	Linux	Linux Kernel	3.0.3	All	All	All
Operating System	Linux	Linux Kernel	3.0.30	All	All	All
Operating System	Linux	Linux Kernel	3.0.31	All	All	All
Operating System	Linux	Linux Kernel	3.0.32	All	All	All
Operating System	Linux	Linux Kernel	3.0.33	All	All	All
Operating System	Linux	Linux Kernel	3.0.34	All	All	All
Operating System	Linux	Linux Kernel	3.0.4	All	All	All
Operating System	Linux	Linux Kernel	3.0.5	All	All	All
Operating System	Linux	Linux Kernel	3.0.6	All	All	All
Operating System	Linux	Linux Kernel	3.0.7	All	All	All
Operating System	Linux	Linux Kernel	3.0.8	All	All	All
Operating System	Linux	Linux Kernel	3.0.9	All	All	All
Operating System	Linux	Linux Kernel	3.1	All	All	All
Operating System	Linux	Linux Kernel	3.1	rc1	All	All
Operating System	Linux	Linux Kernel	3.1	rc2	All	All
Operating System	Linux	Linux Kernel	3.1	rc3	All	All
Operating System	Linux	Linux Kernel	3.1	rc4	All	All
Operating System	Linux	Linux Kernel	3.1.1	All	All	All
Operating System	Linux	Linux Kernel	3.1.10	All	All	All

Operating System	Linux	Linux Kernel	3.1.10	All	All	All
Operating System	Linux	Linux Kernel	3.1.2	All	All	All
Operating System	Linux	Linux Kernel	3.1.3	All	All	All
Operating System	Linux	Linux Kernel	3.1.4	All	All	All
Operating System	Linux	Linux Kernel	3.1.5	All	All	All
Operating System	Linux	Linux Kernel	3.1.6	All	All	All
Operating System	Linux	Linux Kernel	3.1.7	All	All	All
Operating System	Linux	Linux Kernel	3.1.8	All	All	All
Operating System	Linux	Linux Kernel	3.1.9	All	All	All
Operating System	Linux	Linux Kernel	3.2	All	All	All
Operating System	Linux	Linux Kernel	3.0	rc1	All	All
Operating System	Linux	Linux Kernel	3.0	rc2	All	All
Operating System	Linux	Linux Kernel	3.0	rc3	All	All
Operating System	Linux	Linux Kernel	3.0	rc4	All	All
Operating System	Linux	Linux Kernel	3.0	rc5	All	All
Operating System	Linux	Linux Kernel	3.0	rc6	All	All
Operating System	Linux	Linux Kernel	3.0	rc7	All	All
Operating System	Linux	Linux Kernel	3.0.1	All	All	All
Operating System	Linux	Linux Kernel	3.0.10	All	All	All
Operating System	Linux	Linux Kernel	3.0.11	All	All	All
Operating System	Linux	Linux Kernel	3.0.12	All	All	All
Operating System	Linux	Linux Kernel	3.0.13	All	All	All
Operating System	Linux	Linux Kernel	3.0.14	All	All	All
Operating System	Linux	Linux Kernel	3.0.15	All	All	All

Operating System	Linux	Linux Kernel	3.0.15	All	All	All
Operating System	Linux	Linux Kernel	3.0.16	All	All	All
Operating System	Linux	Linux Kernel	3.0.17	All	All	All
Operating System	Linux	Linux Kernel	3.0.18	All	All	All
Operating System	Linux	Linux Kernel	3.0.19	All	All	All
Operating System	Linux	Linux Kernel	3.0.2	All	All	All
Operating System	Linux	Linux Kernel	3.0.20	All	All	All
Operating System	Linux	Linux Kernel	3.0.21	All	All	All
Operating System	Linux	Linux Kernel	3.0.22	All	All	All
Operating System	Linux	Linux Kernel	3.0.23	All	All	All
Operating System	Linux	Linux Kernel	3.0.24	All	All	All
Operating System	Linux	Linux Kernel	3.0.25	All	All	All
Operating System	Linux	Linux Kernel	3.0.26	All	All	All
Operating System	Linux	Linux Kernel	3.0.27	All	All	All
Operating System	Linux	Linux Kernel	3.0.28	All	All	All
Operating System	Linux	Linux Kernel	3.0.29	All	All	All
Operating System	Linux	Linux Kernel	3.0.3	All	All	All
Operating System	Linux	Linux Kernel	3.0.30	All	All	All
Operating System	Linux	Linux Kernel	3.0.31	All	All	All
Operating System	Linux	Linux Kernel	3.0.32	All	All	All
Operating System	Linux	Linux Kernel	3.0.33	All	All	All
Operating System	Linux	Linux Kernel	3.0.34	All	All	All
Operating System	Linux	Linux Kernel	3.0.4	All	All	All

Operating System	Linux	Linux Kernel	3.0.5	All	All	All
Operating System	Linux	Linux Kernel	3.0.6	All	All	All
Operating System	Linux	Linux Kernel	3.0.7	All	All	All
Operating System	Linux	Linux Kernel	3.0.8	All	All	All
Operating System	Linux	Linux Kernel	3.0.9	All	All	All
Operating System	Linux	Linux Kernel	3.1	All	All	All
Operating System	Linux	Linux Kernel	3.1	rc1	All	All
Operating System	Linux	Linux Kernel	3.1	rc2	All	All
Operating System	Linux	Linux Kernel	3.1	rc3	All	All
Operating System	Linux	Linux Kernel	3.1	rc4	All	All
Operating System	Linux	Linux Kernel	3.1.1	All	All	All
Operating System	Linux	Linux Kernel	3.1.10	All	All	All
Operating System	Linux	Linux Kernel	3.1.2	All	All	All
Operating System	Linux	Linux Kernel	3.1.3	All	All	All
Operating System	Linux	Linux Kernel	3.1.4	All	All	All
Operating System	Linux	Linux Kernel	3.1.5	All	All	All
Operating System	Linux	Linux Kernel	3.1.6	All	All	All
Operating System	Linux	Linux Kernel	3.1.7	All	All	All
Operating System	Linux	Linux Kernel	3.1.8	All	All	All
Operating System	Linux	Linux Kernel	3.1.9	All	All	All
Operating System	Linux	Linux Kernel	3.2	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Suse	Linux Enterprise Server	10	sp4	All	All

Operating System	Suse	Linux Enterprise Server	10	sp4	All	All
cpe:2.3:o:linux:linux_kernel:3.0:rc1:~::~~::						
cpe:2.3:o:linux:linux_kernel:3.0:rc2:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0:rc3:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0:rc4:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0:rc5:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0:rc6:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0:rc7:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.1:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.10:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.11:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.12:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.13:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.14:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.15:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.16:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.17:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.18:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.19:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.2:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.20:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.21:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.22:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.23:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.24:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.25:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.26:~::~~::~						
cpe:2.3:o:linux:linux_kernel:3.0.27:~::~~::~						

cpe:2.3:o:linux:linux_kernel:3.0.28:*****:
cpe:2.3:o:linux:linux_kernel:3.0.29:*****:
cpe:2.3:o:linux:linux_kernel:3.0.3:*****:
cpe:2.3:o:linux:linux_kernel:3.0.30:*****:
cpe:2.3:o:linux:linux_kernel:3.0.31:*****:
cpe:2.3:o:linux:linux_kernel:3.0.32:*****:
cpe:2.3:o:linux:linux_kernel:3.0.33:*****:
cpe:2.3:o:linux:linux_kernel:3.0.34:*****:
cpe:2.3:o:linux:linux_kernel:3.0.4:*****:
cpe:2.3:o:linux:linux_kernel:3.0.5:*****:
cpe:2.3:o:linux:linux_kernel:3.0.6:*****:
cpe:2.3:o:linux:linux_kernel:3.0.7:*****:
cpe:2.3:o:linux:linux_kernel:3.0.8:*****:
cpe:2.3:o:linux:linux_kernel:3.0.9:*****:
cpe:2.3:o:linux:linux_kernel:3.1:*****:
cpe:2.3:o:linux:linux_kernel:3.1:rc1:*****:
cpe:2.3:o:linux:linux_kernel:3.1:rc2:*****:
cpe:2.3:o:linux:linux_kernel:3.1:rc3:*****:
cpe:2.3:o:linux:linux_kernel:3.1:rc4:*****:
cpe:2.3:o:linux:linux_kernel:3.1.1:*****:
cpe:2.3:o:linux:linux_kernel:3.1.10:*****:
cpe:2.3:o:linux:linux_kernel:3.1.2:*****:
cpe:2.3:o:linux:linux_kernel:3.1.3:*****:
cpe:2.3:o:linux:linux_kernel:3.1.4:*****:
cpe:2.3:o:linux:linux_kernel:3.1.5:*****:
cpe:2.3:o:linux:linux_kernel:3.1.6:*****:
cpe:2.3:o:linux:linux_kernel:3.1.7:*****:
cpe:2.3:o:linux:linux_kernel:3.1.8:*****:
cpe:2.3:o:linux:linux_kernel:3.1.9:*****:

cpe:2.3:o:linux:linux_kernel:3.2:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0:rc1:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0:rc2:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0:rc3:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0:rc4:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0:rc5:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0:rc6:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0:rc7:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.1:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.10:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.11:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.12:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.13:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.14:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.15:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.16:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.17:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.18:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.19:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.2:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.20:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.21:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.22:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.23:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.24:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.25:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.26:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:3.0.27:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:3.0.28:****:*:
cpe:2.3:o:linux:linux_kernel:3.0.29:****:*:
cpe:2.3:o:linux:linux_kernel:3.0.3:****:*:
cpe:2.3:o:linux:linux_kernel:3.0.30:****:*:
cpe:2.3:o:linux:linux_kernel:3.0.31:****:*:
cpe:2.3:o:linux:linux_kernel:3.0.32:****:*:
cpe:2.3:o:linux:linux_kernel:3.0.33:****:*:
cpe:2.3:o:linux:linux_kernel:3.0.34:****:*:
cpe:2.3:o:linux:linux_kernel:3.0.4:****:*:
cpe:2.3:o:linux:linux_kernel:3.0.5:****:*:
cpe:2.3:o:linux:linux_kernel:3.0.6:****:*:
cpe:2.3:o:linux:linux_kernel:3.0.7:****:*:
cpe:2.3:o:linux:linux_kernel:3.0.8:****:*:
cpe:2.3:o:linux:linux_kernel:3.0.9:****:*:
cpe:2.3:o:linux:linux_kernel:3.1:****:*:
cpe:2.3:o:linux:linux_kernel:3.1:rc1:****:*:
cpe:2.3:o:linux:linux_kernel:3.1:rc2:****:*:
cpe:2.3:o:linux:linux_kernel:3.1:rc3:****:*:
cpe:2.3:o:linux:linux_kernel:3.1:rc4:****:*:
cpe:2.3:o:linux:linux_kernel:3.1.1:****:*:
cpe:2.3:o:linux:linux_kernel:3.1.10:****:*:
cpe:2.3:o:linux:linux_kernel:3.1.2:****:*:
cpe:2.3:o:linux:linux_kernel:3.1.3:****:*:
cpe:2.3:o:linux:linux_kernel:3.1.4:****:*:
cpe:2.3:o:linux:linux_kernel:3.1.5:****:*:
cpe:2.3:o:linux:linux_kernel:3.1.6:****:*:
cpe:2.3:o:linux:linux_kernel:3.1.7:****:*:
cpe:2.3:o:linux:linux_kernel:3.1.8:****:*:
cpe:2.3:o:linux:linux_kernel:3.1.9:****:*:

cpe:2.3:o:linux:linux_kernel:3.2:*:*:*:*:*:	
cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:	
cpe:2.3:o:suse:linux_enterprise_server:10:sp4:*:*:*:*:	
cpe:2.3:o:suse:linux_enterprise_server:10:sp4:*:*:*:*:	
No vendor comments have been submitted for this CVE	
← Previous ID	Next ID→