



CVE-2009-2695

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Summary

CVE	CVE-2009-2695
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2009-08-28 15:30:00 UTC
Updated	2023-11-07 02:04:00 UTC
Description	The Linux kernel before 2.6.31-rc7 does not properly prevent mmap operations that target page zero and other low memory

Risk And Classification

Problem Types: CWE-119

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	2.6.0	All	All	All
Operating System	Linux	Linux Kernel	2.6.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.10	All	All	All
Operating System	Linux	Linux Kernel	2.6.11	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.10	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.11	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.12	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.12	All	All	All

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Operating System	Linux	Linux Kernel	2.6.30.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.30.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.30.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.30.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.30.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.31	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.31	rc2	All	All
Operating System	Linux	Linux Kernel	2.6.31	rc3	All	All
Operating System	Linux	Linux Kernel	2.6.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.8.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.0	All	All	All
Operating System	Linux	Linux Kernel	2.6.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.10	All	All	All
Operating System	Linux	Linux Kernel	2.6.11	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.10	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.11	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.12	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.11.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.12	All	All	All
Operating System	Linux	Linux Kernel	2.6.12.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.12.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.12.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.12.4	All	All	All

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Operating System	Linux	Linux Kernel	2.6.31	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.31	rc2	All	All
Operating System	Linux	Linux Kernel	2.6.31	rc3	All	All
Operating System	Linux	Linux Kernel	2.6.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.8.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.9	All	All	All
Operating System	Linux	Linux Kernel	All	rc6	All	All

References						
Reference			Source	Link		
git.kernel.org				git.kernel.org		
Dan Walsh's Blog - Confining the unconfined. Oxymoron?			CONFIRM	danwalsh.livejournal.com		
404: File not found - Patchwork			CONFIRM	patchwork.kernel.org		
kernel/git/torvalds/linux.git - Linux kernel source tree			CONFIRM	git.kernel.org		
Repository / Oval Repository			OVAL	oval.cisecurity.org		
511143 – selinux policy allows addr 0 mappings by default			CONFIRM	bugzilla.redhat.com		
Webmail : Solution de messagerie professionnelle - OVHcloud- OVH			VUPEN	www.vupen.com		
kernel/git/torvalds/linux.git - Linux kernel source tree				git.kernel.org		
Support			REDHAT	www.redhat.com		
404: File not found - Patchwork			CONFIRM	patchwork.kernel.org		
git.kernel.org				git.kernel.org		
kernel/git/torvalds/linux.git - Linux kernel source tree			CONFIRM	git.kernel.org		
Debian -- Security Information -- DSA-2005-1 linux-2.6.24			DEBIAN	www.debian.org		
thread.gmane.org 522: Connection timed out			CONFIRM	thread.gmane.org		
rhn.redhat.com Red Hat Support			REDHAT	rhn.redhat.com		
Repository / Oval Repository			OVAL	oval.cisecurity.org		
kernel/git/torvalds/linux.git - Linux kernel source tree			CONFIRM	git.kernel.org		
Red Hat Knowledgebase: Security-Enhanced Linux (SELinux) policy and the mmap_min_addr protection			CONFIRM	kbase.redhat.com		
Ubuntu update for kernel - Secunia Advisories - Vulnerability Information - Secunia.com			SECUNIA	secunia.com		
[SECURITY] Fedora 11 Update: kernel-2.6.29.6-217.2.16.fc11			FEDORA	www.redhat.com		
kernel/git/torvalds/linux.git - Linux kernel source tree			CONFIRM	git.kernel.org		

Linux Kernel with SELinux 'mmap_min_addr' Low Memory NULL Pointer Dereference Vulnerability	BID	www.securityfocus.cc
Red Hat Customer Portal	REDHAT	rhn.redhat.com
VMware vMA Update for Multiple Packages - Advisories - Community	SECUNIA	secunia.com
git.kernel.org	CONFIRM	git.kernel.org
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oss-security - SELinux and mmap_min_addr behaviour (CVE-2009-2695)	MLIST	www.openwall.com
USN-852-1: Linux kernel vulnerabilities Ubuntu	UBUNTU	www.ubuntu.com
kernel/git/torvalds/linux.git - Linux kernel source tree		git.kernel.org
git.kernel.org		git.kernel.org
[Security-announce] VMSA-2010-0004 ESX Service Console and vMA third party updates	MLIST	lists.vmware.com
JavaScript is not available.	MISC	twitter.com
Fedora update for kernel - Secunia Advisories - Vulnerability Information - Secunia.com	SECUNIA	secunia.com
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kernel/git/torvalds/linux.git - Linux kernel source tree		git.kernel.org
VMware ESX Server 4 Multiple Vulnerabilities - Advisories - Community	SECUNIA	secunia.com
mmap_min_addr on SELinux and non-SELinux systems - Thoughts on Linux	CONFIRM	eparis.livejournal.com
git.kernel.org	CONFIRM	git.kernel.org
git.kernel.org		git.kernel.org
404: File not found	CONFIRM	www.kernel.org
Bug 517830 – CVE-2009-2695 kernel: SELinux and mmap_min_addr	CONFIRM	bugzilla.redhat.com
git.kernel.org	CONFIRM	git.kernel.org
404: File not found - Patchwork	CONFIRM	patchwork.kernel.org
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.

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