



CVE-2012-3511

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Summary

CVE	CVE-2012-3511
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2012-10-04 03:28:00 UTC
Updated	2023-02-13 00:25:00 UTC
Description	Multiple race conditions in the madvise_remove function in mm/madvise.c in the Linux kernel before 3.4.5 allow local users

Risk And Classification

Problem Types: CWE-362

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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	3.0.16	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
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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
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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
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Operating System	Linux	Linux Kernel	3.1.3	All	All	All
Operating System	Linux	Linux Kernel	3.1.4	All	All	All
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Operating System	Linux	Linux Kernel	3.1.8	All	All	All
Operating System	Linux	Linux Kernel	3.1.9	All	All	All
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Operating System	Linux	Linux Kernel	3.2	rc5	All	All
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Operating System	Linux	Linux Kernel	3.2	rc7	All	All
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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

References				
Reference	Source	Link	Tags	
USN-1529-1: Linux kernel vulnerabilities Ubuntu	UBUNTU	ubuntu.com		
Bug 849734 – CVE-2012-3511 kernel: mm: use-after-free in madvise_remove()	CONFIRM	bugzilla.redhat.com	Patch	
access.redhat.com CVE-2012-3511	MISC	access.redhat.com		
About Secunia Research Flexera	SECUNIA	secunia.com		
USN-1567-1: Linux kernel vulnerabilities Ubuntu	UBUNTU	www.ubuntu.com		
oss-security - Re: CVE Request -- kernel: mm: use-after-free in madvise_remove()	MLIST	www.openwall.com	Patch	
Security Advisory SA50633 - Ubuntu update for kernel - Secunia	SECUNIA	secunia.com		
Linux Kernel 'madvise_remove()' Function Local Denial of Service Vulnerability	BID	www.securityfocus.com		
git.kernel.org	MISC	git.kernel.org		
Red Hat Customer Portal	MISC	access.redhat.com		
www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.4.5	CONFIRM	www.kernel.org		
Security Alerts - Secunia	SECUNIA	secunia.com		
Red Hat Customer Portal	MISC	access.redhat.com		
USN-1572-1: Linux kernel vulnerabilities Ubuntu	UBUNTU	www.ubuntu.com		
Red Hat Customer Portal	MISC	access.redhat.com		
USN-1577-1: Linux kernel (OMAP4) vulnerabilities Ubuntu	UBUNTU	www.ubuntu.com		
mm: Hold a file reference in madvise_remove · torvalds/linux@9ab4233 · GitHub	CONFIRM	github.com	Exploit	
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org	Patch	
CVE Program record	CVE.ORG	www.cve.org	canonical	

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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