



CVE-2012-0028

- MITRE
- NVD
- CVE.ORG
- JSON API
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Summary

CVE	CVE-2012-0028
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2012-06-21 23:55:02 UTC
Updated	2026-04-29 01:13:23 UTC
Description	The robust futex implementation in the Linux kernel before 2.6.28 does not properly handle processes that make exec system calls, which allows local users to execute arbitrary code with root privileges via a crafted program. This issue affects the Linux kernel versions 2.6.27 and earlier.

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-264 | 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	Linux	Linux Kernel	2.6.27	All	All	All

[illegible]

Operating System	Linux	Linux Kernel	2.6.27.42	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.43	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.44	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.45	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.46	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.47	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.48	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.49	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.50	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.51	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.52	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.53	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.54	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.55	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.56	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.57	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.58	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.59	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.60	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.61	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.27.9	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

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

References						
Reference	Source			Link		
oss-security - Re: CVE Request -- kernel: futex: clear robust_list on execve	af854a3a-2127-422b-91ae-364da2661108			www.openwall.co		
Move "exit_robust_list" into mm_release() · torvalds/linux@8141c7f · GitHub	af854a3a-2127-422b-91ae-364da2661108			github.com		
404 Not Found	af854a3a-2127-422b-91ae-364da2661108			ftp.osuosl.org		

kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
Bug 771764 – CVE-2012-0028 kernel: futex: clear robust_list on execve	af854a3a-2127-422b-91ae-364da2661108	bugzilla.redhat.co
kernel/git/torvalds/linux.git - Linux kernel source tree	MITRE	git.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.