



CVE-2014-1438

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Summary

CVE	CVE-2014-1438
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2014-01-18 22:55:00 UTC
Updated	2023-11-07 02:18:00 UTC
Description	The restore_fpu_checking function in arch/x86/include/asm/fpu-internal.h in the Linux kernel before 3.12.8 on the AMD K7 a

Risk And Classification

Problem Types: CWE-264

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	3.12	All	All	All
Operating System	Linux	Linux Kernel	3.12.1	All	All	All
Operating System	Linux	Linux Kernel	3.12.2	All	All	All
Operating System	Linux	Linux Kernel	3.12.3	All	All	All
Operating System	Linux	Linux Kernel	3.12.4	All	All	All
Operating System	Linux	Linux Kernel	3.12.5	All	All	All
Operating System	Linux	Linux Kernel	3.12.6	All	All	All
Operating System	Linux	Linux Kernel	3.12	All	All	All
Operating System	Linux	Linux Kernel	3.12.1	All	All	All
Operating System	Linux	Linux Kernel	3.12.2	All	All	All
Operating System	Linux	Linux Kernel	3.12.3	All	All	All
Operating System	Linux	Linux Kernel	3.12.4	All	All	All
Operating System	Linux	Linux Kernel	3.12.5	All	All	All
Operating System	Linux	Linux Kernel	3.12.6	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

References

Reference
USN-2136-1: Linux kernel (Raring HWE) vulnerabilities Ubuntu
[SECURITY] Fedora 20 Update: kernel-3.12.8-300.fc20
USN-2133-1: Linux kernel vulnerabilities Ubuntu
Linux Kernel AMD restore_fpu_checking() Bug Lets Local Users Deny Service or Potentially Obtain Root Privileges - SecurityTracker
USN-2141-1: Linux kernel (OMAP4) vulnerabilities Ubuntu
kernel/git/torvalds/linux.git - Linux kernel source tree
USN-2139-1: Linux kernel (OMAP4) vulnerabilities Ubuntu
x86, fpu, amd: Clear exceptions in AMD FXSAVE workaround · torvalds/linux@26bef13 · GitHub
USN-2134-1: Linux kernel (OMAP4) vulnerabilities Ubuntu
USN-2117-1: Linux kernel vulnerabilities Ubuntu
www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.12.8
kernel/git/torvalds/linux.git - Linux kernel source tree
[SECURITY] Fedora 19 Update: kernel-3.12.8-200.fc19
Support / Security / Advisories // MDVSA-2014:038 Mandriva
LKML: Linus Torvalds: Re: Sanitize CPU-state when switching tasks (was sanitize CPU-state when switching from virtual-8086 mode to other
oss-security - Re: Linux kernel: missing CPU-state sanitation during task-switch causes DOS / privilege escalation
USN-2138-1: Linux kernel vulnerabilities Ubuntu
Bug 1052914 – CVE-2014-1438 kernel: x86: exceptions are not cleared in AMD FXSAVE workaround
Linux Kernel-Panic in FPU handling on AMD (was ... in vm86 Syscall During Task Switch)
USN-2113-1: Linux kernel (Saucy HWE) vulnerabilities Ubuntu
Linux Kernel 'fpu-internal.h' Local Denial of Service Vulnerability
USN-2135-1: Linux kernel (Quantal HWE) vulnerabilities Ubuntu
CVE Program record
NVD vulnerability detail

No vendor comments have been submitted for this CVE.

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

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