CVE-2017-5546

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Summary

CVE	CVE-2017-5546
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-02-06 06:59:00 UTC
Updated	2023-02-28 15:45:00 UTC
Description	The freelist-randomization feature in mm/slab.c in the Linux kernel 4.8.x and 4.9.x before 4.9.5 allows local users to cause a

Risk And Classification

Problem Types: NVD-CWE-noinfo

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	4.8	All	All	All
Operating System	Linux	Linux Kernel	4.8.1	All	All	All
Operating System	Linux	Linux Kernel	4.8.10	All	All	All
Operating System	Linux	Linux Kernel	4.8.11	All	All	All
Operating System	Linux	Linux Kernel	4.8.12	All	All	All
Operating System	Linux	Linux Kernel	4.8.13	All	All	All
Operating System	Linux	Linux Kernel	4.8.14	All	All	All
Operating System	Linux	Linux Kernel	4.8.15	All	All	All
Operating System	Linux	Linux Kernel	4.8.16	All	All	All
Operating System	Linux	Linux Kernel	4.8.17	All	All	All
Operating System	Linux	Linux Kernel	4.8.2	All	All	All
Operating System	Linux	Linux Kernel	4.8.3	All	All	All
Operating System	Linux	Linux Kernel	4.8.4	All	All	All
Operating System	Linux	Linux Kernel	4.8.5	All	All	All
Operating System	Linux	Linux Kernel	4.8.6	All	All	All
Operating System	Linux	Linux Kernel	4.8.7	All	All	All

Operating System	Linux	Linux Kernel	4.8.8	All	All	All
Operating System	Linux	Linux Kernel	4.8.9	All	All	All
Operating System	Linux	Linux Kernel	4.9	All	All	All
Operating System	Linux	Linux Kernel	4.9.1	All	All	All
Operating System	Linux	Linux Kernel	4.9.2	All	All	All
Operating System	Linux	Linux Kernel	4.9.3	All	All	All
Operating System	Linux	Linux Kernel	4.9.4	All	All	All
Operating System	Linux	Linux Kernel	4.8	All	All	All
Operating System	Linux	Linux Kernel	4.8.1	All	All	All
Operating System	Linux	Linux Kernel	4.8.10	All	All	All
Operating System	Linux	Linux Kernel	4.8.11	All	All	All
Operating System	Linux	Linux Kernel	4.8.12	All	All	All
Operating System	Linux	Linux Kernel	4.8.13	All	All	All
Operating System	Linux	Linux Kernel	4.8.14	All	All	All
Operating System	Linux	Linux Kernel	4.8.15	All	All	All
Operating System	Linux	Linux Kernel	4.8.16	All	All	All
Operating System	Linux	Linux Kernel	4.8.17	All	All	All
Operating System	Linux	Linux Kernel	4.8.2	All	All	All
Operating System	Linux	Linux Kernel	4.8.3	All	All	All
Operating System	Linux	Linux Kernel	4.8.4	All	All	All
Operating System	Linux	Linux Kernel	4.8.5	All	All	All
Operating System	Linux	Linux Kernel	4.8.6	All	All	All
Operating System	Linux	Linux Kernel	4.8.7	All	All	All
Operating System	Linux	Linux Kernel	4.8.8	All	All	All
Operating System	Linux	Linux Kernel	4.8.9	All	All	All
Operating System	Linux	Linux Kernel	4.9	All	All	All
Operating System	Linux	Linux Kernel	4.9.1	All	All	All
Operating System	Linux	Linux Kernel	4.9.2	All	All	All
Operating System	Linux	Linux Kernel	4.9.3	All	All	All
Operating System	Linux	Linux Kernel	4.9.4	All	All	All

References

Reference	Source	Link	Tags
www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.9.5	CONFIRM	www.kernel.org	Rele
Bug 1415733 – CVE-2017-5546 kernel: SLAB freelist randomization produces duplicate entries	CONFIRM	bugzilla.redhat.com	Issu

mm/slab.c: fix SLAB freelist randomization duplicate entries · torvalds/linux@c4e490c · GitHub	CONFIRM	github.com	Issu
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org	Issu
oss-security - Re: CVE REQUEST: linux kernel: process with pgid zero able to crash kernel	MLIST	www.openwall.com	Maili
Linux Kernel CVE-2017-5546 Local Denial of Service Vulnerability	BID	www.securityfocus.com	Third
CVE Program record	CVE.ORG	www.cve.org	canc
NVD vulnerability detail	NVD	nvd.nist.gov	canc

No vendor comments have been submitted for this CVE.

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