CVE-2018-1091

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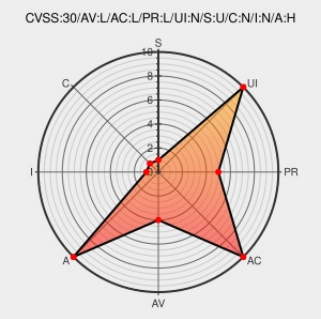

Certain versions of Linux Kernel from Linux contain the following vulnerability:

In the flush_tmregs_to_thread function in arch/powerpc/kernel/ptrace.c in the Linux kernel before 4.13.5, a guest kernel crash can be triggered from unprivileged userspace during a core dump on a POWER host due to a missing processor feature check and an erroneous use of transactional memory (TM) instructions in the core dump path, leading to a denial of service.

CVE-2018-1091 has been assigned by secalert@redhat.com to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 5.5 - MEDIUM

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	LOW	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: 4.9 - MEDIUM

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	COMPLETE

CVE References

Description	Tags	Link
kernel/git/torvalds/linux.git - Linux kernel source tree	Patch Vendor Advisory	CONFIRM git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=c1fa0768a8713b135848f78fd43ffc208d8ded70

	git.kernel.org text/html	
1558149 – (CVE-2018-1091) CVE-2018-1091 kernel: guest kernel crash during core dump on POWER9 host	Issue Tracking Third Party Advisory bugzilla.redhat.com text/html	CONFIRM bugzilla.redhat.com/show_bug.cgi?id=1558149
'[PATCH v2] powerpc/tm: Flush TM only if CPU has TM feature' - MARC	Patch Third Party Advisory marc.info text/x-diff	CONFIRM marc.info/?l=linuxppc-embedded&m=150535531910494&w=2
oss-security - CVE-2018-1091: Linux kernel: a KVM guest kernel crash during core dump on POWER9 host	Mailing List Third Party Advisory openwall.com text/html	CONFIRM openwall.com/lists/oss-security/2018/03/27/4
powerpc/tm: Flush TM only if CPU has TM feature · torvalds/linux@c1fa076 · GitHub	Patch Third Party Advisory github.com text/html	CONFIRM github.com/torvalds/linux/commit/c1fa0768a8713b135848f78fd43ffc208d8ded70
CVE-2018-1091 - Red Hat Customer Portal	Third Party Advisory access.redhat.com text/html	CONFIRM access.redhat.com/security/cve/cve-2018-1091
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2018:1318
	Patch Vendor Advisory www.kernel.org text/plain	CONFIRM www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.13.5

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All

cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→

CVE.report and Source URL Uptime Status status.cve.report