



CVE-2018-15594

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#)

Summary

CVE	CVE-2018-15594
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2018-08-20 08:29:00 UTC
Updated	2019-10-03 00:03:00 UTC
Description	arch/x86/kernel/paravirt.c in the Linux kernel before 4.18.1 mishandles certain indirect calls, which makes it easier for attack

Risk And Classification

Problem Types: CWE-200

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

References

Reference

[SECURITY] [DLA 1531-1] linux-4.9 security update

[security-announce] openSUSE-SU-2019:1407-1: important: Security update

Linux Kernel 'arch/x86/kernel/paravirt.c' Local Security Bypass Vulnerability

Red Hat Customer Portal

Red Hat Customer Portal

USN-3776-2: Linux kernel (Xenial HWE) vulnerabilities | Ubuntu security notices

USN-3776-1: Linux kernel vulnerabilities | Ubuntu security notices

USN-3777-3: Linux kernel (Azure) vulnerabilities | Ubuntu security notices

x86/paravirt: Fix spectre-v2 mitigations for paravirt guests · torvalds/linux@5800dc5 · GitHub

USN-3775-1: Linux kernel vulnerabilities | Ubuntu security notices

USN-3777-2: Linux kernel (HWE) vulnerabilities | Ubuntu security notices

USN-3777-1: Linux kernel vulnerabilities | Ubuntu security notices

grsecurity on Twitter: "This should get a CVE: https://t.co/xr3icM7K2n"

cdn.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.18.1

USN-3775-2: Linux kernel (Trusty HWE) vulnerabilities | Ubuntu security notices

Linux Kernel paravirt_patch_call Indirect Call Processing Lets Local Users View Portions of System Memory for Paravirtualized Guests - Secu

Debian -- Security Information -- DSA-4308-1 linux

kernel/git/torvalds/linux.git - Linux kernel source tree

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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