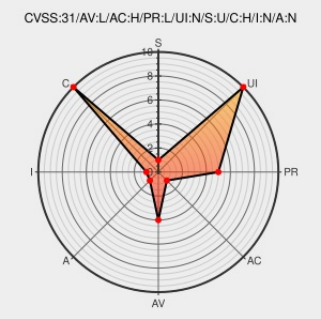
CVE-2019-18660

Published on: 11/27/2019 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:28:07 PM UTC

CVE-2019-18660

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Ubuntu Linux from Canonical contain the following vulnerability:

The Linux kernel before 5.4.1 on powerpc allows Information Exposure because the Spectre-RSB mitigation is not in place for all applicable CPUs, aka CID-39e72bf96f58. This is related to arch/powerpc/kernel/entry_64.S and arch/powerpc/kernel/security.c.

CVE-2019-18660 has been assigned by cve@mitre.org to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 4.7 - MEDIUM

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

CVSS2 Score: 1.9 - LOW

Access Vector	Access Complexity	Authentication
LOCAL	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	NONE	NONE

CVE References

Description	Tags	Link
Red Hat Customer Portal	Third Party Advisory, access.redhat.com, text/html	REDHAT RHSA-2020:0174
Bugtraq: [slackware-security] Slackware 14.2	Mailing List	BUGTRAQ 20200109 [slackware-security] Slackware 14.2

kernel (SSA:2020-008-01)	Third Party Advisory seclists.org text/html	kernel (SSA:2020-008-01)
kernel/git/torvalds/linux.git - Linux kernel source tree	Patch Vendor Advisory git.kernel.org text/html	MISC git.kernel.org/pub/scm/linux/kernel/git/torvalds/linux.git/commit/?id=39e72bf96f5847ba87cc5bd7a3ce0fed813dc9ad
[SECURITY] Fedora 31 Update: kernel-5.3.14-300.fc31 - package-announce - Fedora Mailing-Lists	Mailing List Third Party Advisory lists.fedoraproject.org text/html	FEDORA FEDORA-2019-b86a7bdba0
USN-4228-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-4228-1
USN-4228-2: Linux kernel (Xenial HWE) vulnerabilities | Ubuntu security notices | Ubuntu	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-4228-2
USN-4226-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-4226-1
	Release Notes Vendor Advisory cdn.kernel.org text/plain	CONFIRM cdn.kernel.org/pub/linux/kernel/v5.x/ChangeLog-5.4.1
USN-4225-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-4225-1
oss-security - CVE-2019-18660: Linux kernel: powerpc: missing Spectre-RSB mitigation	Mailing List Patch Third Party Advisory www.openwall.com text/html	MLIST [oss-security] 20191128 CVE-2019-18660: Linux kernel: powerpc: missing Spectre-RSB mitigation
USN-4227-2: Linux kernel (Azure) vulnerabilities | Ubuntu security notices | Ubuntu	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-4227-2
December 2019 Linux Kernel Vulnerabilities in NetApp Products | NetApp Product Security	Third Party Advisory security.netapp.com text/html	CONFIRM security.netapp.com/advisory/ntap-20200103-0001/
[security-announce] openSUSE-SU-2019:2675-1: important: Security update	Third Party Advisory lists.opensuse.org text/html	SUSE openSUSE-SU-2019:2675
USN-4227-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-4227-1
Slackware Security Advisory - Slackware 14.2 kernel Updates ≈ Packet Storm	Third Party Advisory VDB Entry packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/155890/Slackware-Security-Advisory-Slackware-14.2-kernel-Updates.html
USN-4225-2: Linux kernel (HWE) vulnerabilities | Ubuntu security notices | Ubuntu	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-4225-2
[SECURITY] Fedora 30 Update: kernel-5.3.14-200.fc30 - package-announce - Fedora Mailing-	Third Party Advisory lists.fedoraproject.org	FEDORA FEDORA-2019-124a241044

Lists	text/html	
oss-security - CVE-2019-18660: Linux kernel: powerpc: missing Spectre-RSB mitigation	Mailing List Patch Third Party Advisory www.openwall.com text/html	MISC www.openwall.com/lists/oss-security/2019/11/27/1

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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	19.04	All	All	All
Operating System	Canonical	Ubuntu Linux	19.10	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	19.04	All	All	All
Operating System	Canonical	Ubuntu Linux	19.10	All	All	All
Operating System	Fedoraproject	Fedora	30	All	All	All
Operating System	Fedoraproject	Fedora	31	All	All	All
Operating System	Fedoraproject	Fedora	30	All	All	All
Operating System	Fedoraproject	Fedora	31	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Redhat	Enterprise Linux	6.0	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All
Operating System	Redhat	Enterprise Linux	6.0	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All

cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:esm:*:*:*:

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

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cpe:2.3:o:opensuse:leap:15.1:*:*:*:*:*:*:*:

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cpe:2.3:o:redhat:enterprise_linux:6.0:*:*:*:*:*:*:*

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cpe:2.3:o:redhat:enterprise_linux:8.0:*:*:*:*:*:*:*

No vendor comments have been submitted for this CVE

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