CVE-2017-17558

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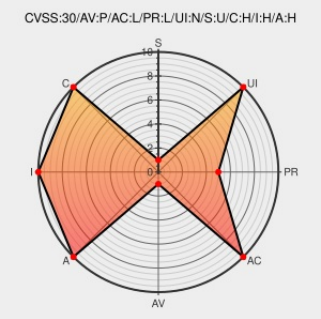
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



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

The usb_destroy_configuration function in drivers/usb/core/config.c in the USB core subsystem in the Linux kernel through 4.14.5 does not consider the maximum number of configurations and interfaces before attempting to release resources, which allows local users to cause a denial of service (out-of-bounds write access) or possibly have unspecified other impact via a crafted USB device.

CVE-2017-17558 has been assigned by cve@mitre.org to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 6.6 - MEDIUM

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

CVSS2 Score: 7.2 - HIGH

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

CVE References

Description	Tags	Link
Debian -- Security Information -- DSA-4082-1 linux	www.debian.org Depreciated Link	DEBIAN DSA-4082

	text/html	
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2019:1190
oss-security - Re: Linux kernel: multiple vulnerabilities in the USB subsystem	Mailing List Third Party Advisory openwall.com text/html	MISC openwall.com/lists/oss-security/2017/12/12/7
USN-3619-1: Linux kernel vulnerabilities | Ubuntu security notices	usn.ubuntu.com text/html	UBUNTU USN-3619-1
[SECURITY] [DLA 1232-1] linux security update	lists.debian.org text/html	MLIST [debian-lts-announce] 20180107 [SECURITY] [DLA 1232-1] linux security update
USN-3619-2: Linux kernel (Xenial HWE) vulnerabilities | Ubuntu security notices	usn.ubuntu.com text/html	UBUNTU USN-3619-2
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2018:0676
Debian -- Security Information -- DSA-4073-1 linux	Third Party Advisory www.debian.org Depreciated Link text/html	DEBIAN DSA-4073
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2019:1170
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2018:1062
[security-announce] SUSE-SU-2018:0011-1: important: Security update for	Third Party Advisory lists.opensuse.org text/html	SUSE SUSE-SU-2018:0011
USN-3754-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu	usn.ubuntu.com text/html	UBUNTU USN-3754-1
Oracle Critical Patch Update - October 2019	www.oracle.com text/html	MISC www.oracle.com/technetwork/security-advisory/cpuoct2019-5072832.html
[PATCH] USB: core: only clean up what we allocated — Linux USB	Issue Tracking Patch www.spinics.net text/html	MISC www.spinics.net/lists/linux-usb/msg163644.html

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
Operating System	Suse	Linux Enterprise Server	11	extra	All	All

Operating System	Suse	Linux Enterprise Server	11	sp4	All	All
Operating System	Suse	Linux Enterprise Server	11	extra	All	All
Operating System	Suse	Linux Enterprise Server	11	sp4	All	All

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

cpe:2.3:o:suse:linux_enterprise_server:11:extra:*:*:*:*:*:*:

cpe:2.3:o:suse:linux_enterprise_server:11:sp4:*:*:*:*:*:*:

cpe:2.3:o:suse:linux_enterprise_server:11:extra:*:*:*:*:*:*:

cpe:2.3:o:suse:linux_enterprise_server:11:sp4:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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