CVE-2019-9893

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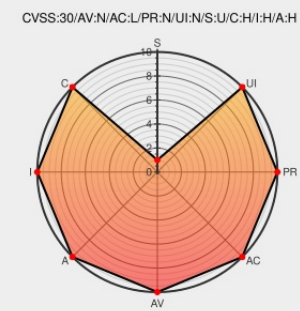

Certain versions of Libseccomp from Libseccomp Project contain the following vulnerability:

libseccomp before 2.4.0 did not correctly generate 64-bit syscall argument comparisons using the arithmetic operators (LT, GT, LE, GE), which might able to lead to bypassing seccomp filters and potential privilege escalations.

CVE-2019-9893 has been assigned by cve@mitre.org to track the vulnerability - currently rated as CRITICAL severity.

CVSS3 Score: 9.8 - CRITICAL

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

CVSS2 Score: 7.5 - HIGH

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
BUG: 64-bit argument comparisons do not work correctly (CVE-2019-9893) · Issue #139 · seccomp/libseccomp · GitHub	Patch, github.com, text/html	MISC github.com/seccomp/libseccomp/issues/139
libseccomp: Privilege escalation (GLSA 201904-18) — Gentoo security	security.gentoo.org	GENTOO GLSA-201904-18

	text/html	
USN-4001-1: libseccomp vulnerability | Ubuntu security notices | Ubuntu	usn.ubuntu.com text/html	UBUNTU USN-4001-1
[security-announce] openSUSE-SU-2019:2283-1: moderate: Security update f	lists.opensuse.org text/html	SUSE openSUSE-SU-2019:2283
USN-4001-2: libseccomp vulnerability | Ubuntu security notices	usn.ubuntu.com text/html	UBUNTU USN-4001-2
[security-announce] openSUSE-SU-2019:2280-1: moderate: Security update f	lists.opensuse.org text/html	SUSE openSUSE-SU-2019:2280
oss-sec: libseccomp: incorrect generation of syscall argument filters	Mailing List Patch Third Party Advisory seclists.org text/html	MISC seclists.org/oss-sec/2019/q1/179
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2019:3624

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Related QID Numbers

500310 Alpine Linux Security Update for libseccomp

710167 Gentoo Linux libseccomp Privilege escalation Vulnerability (GLSA 201904-18)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Libseccomp Project	Libseccomp	All	All	All	All
Application	Libseccomp Project	Libseccomp	All	All	All	All

cpe:2.3:a:libseccomp_project:libseccomp:*:*:*:*:*:*:*:*:

cpe:2.3:a:libseccomp_project:libseccomp:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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