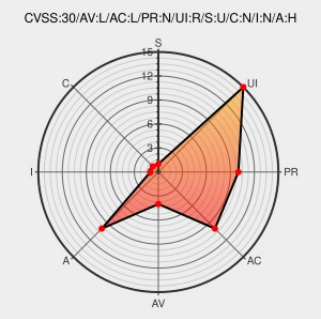
CVE-2018-10540

Published on: 04/29/2018 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:24:21 PM UTC

CVE-2018-10540

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



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

An issue was discovered in WavPack 5.1.0 and earlier for W64 input. Out-of-bounds writes can occur because ParseWave64HeaderConfig in wave64.c does not validate the sizes of unknown chunks before attempting memory allocation, related to a lack of integer-overflow protection within a bytes_to_copy calculation and subsequent malloc call, leading to insufficient memory allocation.

CVE-2018-10540 has been assigned by cve@mitre.org to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 5.5 - MEDIUM

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

CVSS2 Score: 4.3 - MEDIUM

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

CVE References

Description	Tags	Link
issue #33, sanitize size of unknown chunks before	Patch Third Party Advisory	MISC github.com/dbry/WavPack/commit/6f8bb34c2993a48ab9afbe353e6d0cff7c8d821d

malloc() · dbry/WavPack@6f8bb34 · GitHub	github.com text/html	
Slackware Security Advisory - wavpack Updates ≈ Packet Storm	packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/155743/Slackware-Security-Advisory-wavpack-Updates.html
WavPack crashes -- SEGFAULT -- Invalid write · Issue #33 · dbry/WavPack · GitHub	Exploit Issue Tracking Third Party Advisory github.com text/html	MISC github.com/dbry/WavPack/issues/33
[SECURITY] Fedora 31 Update: mingw-wavpack-5.1.0-9.fc31 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	FEDORA FEDORA-2020-e55567b6be
Bugtraq: [slackware-security] wavpack (SSA:2019-353-01)	seclists.org text/html	BUGTRAQ 20191219 [slackware-security] wavpack (SSA:2019-353-01)
[SECURITY] Fedora 30 Update: mingw-wavpack-5.1.0-9.fc30 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	FEDORA FEDORA-2020-73274c9df4
USN-3637-1: WavPack vulnerabilities | Ubuntu security notices	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-3637-1
Debian -- Security Information -- DSA-4197-1 wavpack	Third Party Advisory www.debian.org Depreciated Link text/html	DEBIAN DSA-4197

Related QID Numbers

750394 OpenSUSE Security Update for wavpack (openSUSE-SU-2021:0154-1)

750395 OpenSUSE Security Update for wavpack (openSUSE-SU-2021:0153-1)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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

Application	Wavpack	Wavpack	All	All	All	All

cpe:2.3:o:debian:debian_linux:8.0:*:*:*:*:*:*:*

cpe:2.3:o:debian:debian_linux:9.0:*:*:*:*:*:*:*

cpe:2.3:o:debian:debian_linux:8.0:*:*:*:*:*:*:*

cpe:2.3:o:debian:debian_linux:9.0:*:*:*:*:*:*:*

cpe:2.3:a:wavpack:wavpack:*:*:*:*:*:*:*:*

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→