

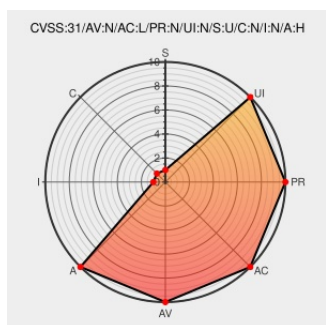


CVE-2020-36278

Published on: 03/11/2021 12:00:00 AM UTC

Last Modified on: 12/03/2021 05:37:00 PM UTC

CVE-2020-36278

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Debian Linux](#) from [Debian](#) contain the following vulnerability:

Leptonica before 1.80.0 allows a heap-based buffer over-read in findNextBorderPixel in ccbord.c.

CVE-2020-36278 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

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

CVSS2 Score: **5 - MEDIUM**

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

CVE References

Description	Tags	Link
[SECURITY] Fedora 32 Update: leptonica-1.80.0-3.fc32 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	FEDORA FEDORA-2021-977ebc82da
[SECURITY] [DLA 2612-1] leptonlib	lists.debian.org	MLIST [debian-lts-announce] 20210331 [SECURITY] [DLA 2612-1] leptonlib

security update	text/html	update
[SECURITY] Fedora 33 Update: leptonica-1.80.0-3.fc33 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	 FEDORA FEDORA-2021-f5f2803fff
Leptonica: Multiple vulnerabilities (GLSA 202107-53) — Gentoo security	security.gentoo.org text/html	 GENTOO GLSA-202107-53
Issue 23433 in oss-fuzz: Heap-buffer-overflow in findNextBorderPixel() · DanBloomberg/leptonica@8d6e175 · GitHub	Patch Third Party Advisory github.com text/html	 MISC github.com/DanBloomberg/leptonica/commit/8d6e1755518cfb98536d6c3daf060
23433 - oss-fuzz - OSS-Fuzz: Fuzzing the planet - Monorail	Exploit Third Party Advisory bugs.chromium.org text/html	 MISC bugs.chromium.org/p/oss-fuzz/issues/detail?id=23433
Comparing 1.79.0...1.80.0 · DanBloomberg/leptonica · GitHub	Release Notes Third Party Advisory github.com text/html	 MISC github.com/DanBloomberg/leptonica/compare/1.79.0...1.80.0

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Related QID Numbers

[178488](#) Debian Security Update for leptonlib (DLA 2612-1)

[281062](#) Fedora Security Update for leptonica and mingw-leptonica (FEDORA-2021-f5f2803fff)

[281063](#) Fedora Security Update for leptonica and mingw-leptonica (FEDORA-2021-977ebc82da)

[281076](#) Fedora Security Update for leptonica and mingw-leptonica (FEDORA-2021-f5f2803fff)

[281077](#) Fedora Security Update for leptonica and mingw-leptonica (FEDORA-2021-977ebc82da)

[281079](#) Fedora Security Update for leptonica and mingw-leptonica (FEDORA-2021-f5f2803fff)

[281080](#) Fedora Security Update for leptonica and mingw-leptonica (FEDORA-2021-977ebc82da)

[281082](#) Fedora Security Update for leptonica and mingw-leptonica (FEDORA-2021-f5f2803fff)

[281083](#) Fedora Security Update for leptonica and mingw-leptonica (FEDORA-2021-977ebc82da)

[281329](#) Fedora Security Update for leptonica (FEDORA-2021-f5f2803fff)

[281330](#) Fedora Security Update for leptonica (FEDORA-2021-977ebc82da)

[710042](#) Gentoo Linux Leptonica Multiple Vulnerabilities (GLSA 202107-53)

Exploit/POC from Github

PoC for exploiting CVE-2020-36278 : Leptonica before 1.80.0 allows a heap-based buffer over-read in findNextBorderPix...

Known Affected Configurations (CPE V2.3)						
Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Fedoraproject	Fedora	32	All	All	All
Operating System	Fedoraproject	Fedora	33	All	All	All
Application	Leptonica	Leptonica	All	All	All	All
Operating System	Linux	Linux Kernel	-	All	All	All
cpe:2.3:o:debian:debian_linux:9.0:*:*:*:*:*:						
cpe:2.3:o:fedoraproject:fedora:32:*:*:*:*:*:						
cpe:2.3:o:fedoraproject:fedora:33:*:*:*:*:*:						
cpe:2.3:a:leptonica:leptonica:*:*:*:*:*:						
cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:						
No vendor comments have been submitted for this CVE						
Social Mentions						
Source	Title					Posted (UTC)
← Previous ID			Next ID→			