



CVE-2018-7640

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

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

An issue was discovered in Cimg v.220. A heap-based buffer over-read in load_bmp in Cimg.h occurs when loading a crafted bmp image, a different vulnerability than CVE-2018-7588. This is in a Monochrome case, aka case 1.

CVE-2018-7640 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.8 - HIGH**

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

CVSS2 Score: **6.8 - MEDIUM**

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

CVE References

Description	Tags	Link
[SECURITY] [DLA 1934-1] cimg security update	lists.debian.org text/html	© MLIST [debian-lts-announce] 20190928 [SECURITY] [DLA 1934-1] cimg security update
[SECURITY] [DLA 2421-1] cimg security update	lists.debian.org text/html	© MLIST [debian-lts-announce] 20201030 [SECURITY] [DLA 2421-1] cimg security update

other testcases lead to heap overflow by loading crafted images · Issue #185 · dtschump/CImg · GitHub

MISC github.com/dtschump/CImg/issues/185

Exploit

Third Party Advisory

github.com

text/html

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Cimg	Cimg	.220	All	All	All
Application	Cimg	Cimg	.220	All	All	All
cpe:2.3:a:cimg:cimg:.220:*:*:*:*:*:						
cpe:2.3:a:cimg:cimg:.220:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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