



# CVE-2019-12211

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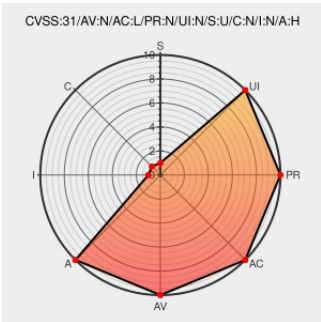
## CVE-2019-12211

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

[Print: PDF](#)



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

When FreeImage 3.18.0 reads a tiff file, it will be handed to the Load function of the PluginTIFF.cpp file, but a memcpy occurs in which the destination address and the size of the copied data are not considered, resulting in a heap overflow.

CVE-2019-12211 has been assigned by [M](#) [cve@mitre.org](mailto: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
<b>NETWORK</b>	<b>LOW</b>	<b>NONE</b>	<b>NONE</b>
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
<b>UNCHANGED</b>	<b>NONE</b>	<b>NONE</b>	<b>HIGH</b>

CVSS2 Score: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
<b>NETWORK</b>	<b>LOW</b>	<b>NONE</b>
Confidentiality Impact	Integrity Impact	Availability Impact
<b>NONE</b>	<b>NONE</b>	<b>PARTIAL</b>

## CVE References

Description	Tags	Link
Bugtraq: [SECURITY] [DSA 4593-1] freeimage security update	<a href="#">seclists.org</a> <a href="#">text/html</a>	<a href="#">BUGTRAQ 20191229 [SECURITY] [DSA 4593-1] freeimage security update</a>
FreeImage: Multiple vulnerabilities (GLSA 202107-02) — Gentoo security	<a href="#">security.gentoo.org</a> <a href="#">text/html</a>	<a href="#">GENTOO GLSA-202107-02</a>

[SECURITY] Fedora 30 Update: mingw-freeimage-3.18.0-7.fc30 - package-announce - Fedora Mailing-Lists

[lists.fedoraproject.org](https://lists.fedoraproject.org/text/html)  
text/html

 FEDORA FEDORA-2019-76f546b7b8

FreeImage / Discussion / Developers:Three vulnerabilities about freeimage3.18

[Exploit](#)  
[Third Party Advisory](#)  
[sourceforge.net](https://sourceforge.net)  
text/html

 MISC  
[sourceforge.net/p/freeimage/discussion/36111/thread/e06734bed5/](https://sourceforge.net/p/freeimage/discussion/36111/thread/e06734bed5/)


USN-4529-1: FreeImage vulnerabilities | Ubuntu security notices | Ubuntu

[usn.ubuntu.com](https://usn.ubuntu.com)  
text/html

 UBUNTU USN-4529-1

[SECURITY] [DLA 2031-1] freeimage security update

[lists.debian.org](https://lists.debian.org)  
text/html

 MLIST [debian-lts-announce] 20191210 [SECURITY] [DLA 2031-1] freeimage security update

[SECURITY] Fedora 31 Update: freeimage-3.18.0-6.fc31 - package-announce - Fedora Mailing-Lists

[lists.fedoraproject.org](https://lists.fedoraproject.org)  
text/html

 FEDORA FEDORA-2019-655994894e

Debian -- Security Information -- DSA-4593-1 freeimage

[www.debian.org](https://www.debian.org)  
[Deprecated Link](#)  
text/html

 DEBIAN DSA-4593

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## Related QID Numbers

[500961](#) Alpine Linux Security Update for freeimage

[710073](#) Gentoo Linux FreeImage Multiple vulnerabilities (GLSA 202107-02)

## Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	18.04	All	All	All
Application	<a href="#">Freeimage Project</a>	<a href="#">Freeimage</a>	3.18.0	All	All	All
Application	<a href="#">Freeimage Project</a>	<a href="#">Freeimage</a>	3.18.0	All	All	All


cpe:2.3:o:canonical:ubuntu\_linux:18.04:\*:\*:its:\*:\*:

cpe:2.3:a:freeimage\_project:freeimage:3.18.0:\*:\*:\*:\*:\*:

cpe:2.3:a:freeimage\_project:freeimage:3.18.0:\*:\*:\*:\*:\*:

No vendor comments have been submitted for this CVE

## Social Mentions

Source	Title	Posted (UTC)
 @LinInfoSec	Debian - CVE-2019-12211: <a href="https://sourceforge.net/p/freeimage/di...">sourceforge.net/p/freeimage/di...</a>	2021-07-03 10:35:50

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