



CVE-2015-8875

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CVE-2015-8875

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

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

Multiple integer overflows in the (1) `pixops_composite_nearest`, (2) `pixops_composite_color_nearest`, and (3) `pixops_process` functions in `pixops/pixops.c` in `gdk-pixbuf` before 2.33.1 allow remote attackers to cause a denial of service (application crash) or possibly execute arbitrary code via a crafted image, which triggers a heap-based buffer overflow.

CVE-2015-8875 has been assigned by security@debian.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
pixops: use gint64 in more places to avoid overflow when shifting (dbfe8f70) · Commits · GNOME / gdk-pixbuf ·	git.gnome.org text/html	CONFIRM git.gnome.org/browse/gdk-pixbuf/commit/?id=dbfe8f70471864818bf458a39c8a99640895bd22

GitLab		
oss-security - Re: CVE Request: gdk-pixbuf: Additional fixes to protect against overflows in pixops_* functions (similar to CVE-2015-7674)	www.openwall.com text/html	MLIST [oss-security] 20160516 Re: CVE Request: gdk-pixbuf: Additional fixes to protect against overflows in pixops_* functions (similar to CVE-2015-7674)
oss-security - Re: CVE Request: gdk-pixbuf: Additional fixes to protect against overflows in pixops_* functions (similar to CVE-2015-7674)	www.openwall.com text/html	MLIST [oss-security] 20160517 Re: CVE Request: gdk-pixbuf: Additional fixes to protect against overflows in pixops_* functions (similar to CVE-2015-7674)
Debian -- Security Information -- DSA-3589-1 gdk-pixbuf	www.debian.org Deprecated Link text/html	DEBIAN DSA-3589
oss-security - Possible CVE request: gdk-pixbuf: Additional fixes to protect against overflows in pixops_* functions (similar to CVE-2015-7674)	www.openwall.com text/html	MLIST [oss-security] 20160512 Possible CVE request: gdk-pixbuf: Additional fixes to protect against overflows in pixops_* functions (similar to CVE-2015-7674)
USN-3085-1: GDK-PixBuf vulnerabilities Ubuntu	www.ubuntu.com text/html	UBUNTU USN-3085-1
By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.		

There are currently no QIDs associated with this CVE

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	8.0	All	All	All
Application	Gnome	Gdk-pixbuf	All	All	All	All
cpe:2.3:o:debian:debian_linux:8.0:*:*:*:*:*:						
cpe:2.3:o:debian:debian_linux:8.0:*:*:*:*:*:						
cpe:2.3:a:gnome:gdk-pixbuf:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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[Next ID →](#)

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