



CVE-2019-5087

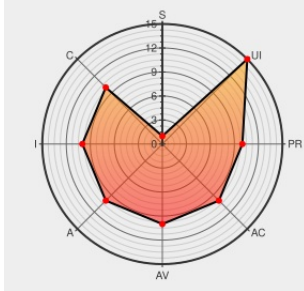
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CVE-2019-5087

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

CVSS:30/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H



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

An exploitable integer overflow vulnerability exists in the `flattenIncrementally` function in the `xcf2png` and `xcf2pnm` binaries of `xcftools` 1.0.7. An integer overflow can occur while calculating the row's allocation size, that could be exploited to corrupt memory and eventually execute arbitrary code. In order to trigger this vulnerability, a victim would need to open a specially crafted XCF file.

CVE-2019-5087 has been assigned by [talos-cna@cisco.com](#) to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8.8 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	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 2553-1] xcftools security update	Mailing List Third Party Advisory	MLIST [debian-lts-announce] 20210210 [SECURITY] [DLA 2553-1] xcftools security update

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TALOS-2019-0879 || Cisco Talos Intelligence Group - Comprehensive Threat Intelligence

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[SECURITY] [DLA 2553-2] xcftools regression update

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 MLIST [debian-lts-announce] 20210308 [SECURITY] [DLA 2553-2] xcftools regression update

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Related QID Numbers

199266 Ubuntu Security Notification for Xcftools Vulnerabilities (USN-5988-1)

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	Debian	Debian Linux	9.0	All	All	All
Application	Xcftools Project	Xcftools	1.0.7	All	All	All
Application	Xcftools Project	Xcftools	1.0.7	All	All	All
cpe:2.3:o:debian:debian_linux:9.0:*:*:*:*:*:						
cpe:2.3:o:debian:debian_linux:9.0:*:*:*:*:*:						
cpe:2.3:a:xcftools_project:xcftools:1.0.7:*:*:*:*:*:						
cpe:2.3:a:xcftools_project:xcftools:1.0.7:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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