# CVE-2020-19609

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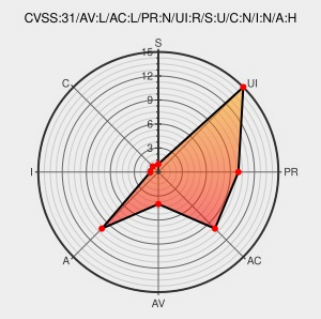
## CVE-2020-19609

Source: Mitre | Source: Nist | Print: PDF




Certain versions of Mupdf from Artifex contain the following vulnerability:

Artifex MuPDF before 1.18.0 has a heap based buffer over-write in tiff_expand_colormap() function when parsing TIFF files allowing attackers to cause a denial of service.

CVE-2020-19609 has been assigned by cve@mitre.org to track the vulnerability - currently rated as MEDIUM severity.

### CVSS3 Score: 5.5 - MEDIUM

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

### CVSS2 Score: 4.3 - MEDIUM

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

### CVE References

| Description | Tags | Link |
|---|---|---|
| 701176 – Integer overflow in source/fitz/load-tiff.c:272 | bugs.ghostscript.com<br>text/html | MISC bugs.ghostscript.com/show_bug.cgi?id=701176 |
| git.ghostscript.com Git - mupdf.git/commit | git.ghostscript.com<br>text/xml | MISC git.ghostscript.com/?p=mupdf.git;h=b7892cdc7fae62aa57d63ae62144e1f11b5f9275 |

| | | |
|---|---|---|
| 703076 – Buffer Overflow in tiff_expand_colormap() function in source/fitz/load-tiff.c:256:25 | bugs.ghostscript.com text/html | MISC bugs.ghostscript.com/show_bug.cgi?id=703076 |

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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 | Artifex | Mupdf | All | All | All | All |

cpe:2.3:a:artifex:mupdf:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

## Social Mentions

| Source | Title | Posted (UTC) |
|---|---|---|
| @CVEreport | CVE-2020-19609 : Artifex MuPDF before 1.18.0 has a heap based buffer over-write in tiff_expand_colormap function… twitter.com/i/web/status/1… | 2021-07-21 15:09:26 |
| @WesUncensored | New vulnerability on the NVD: CVE-2020-19609 ift.tt/3eD7TZm | 2021-07-21 16:48:19 |
| @Velletron | CVE-2020-19609 ift.tt/3eD7TZm #CVE #Vulnerability | 2021-07-21 16:54:34 |
| @xanadulinux | CVE-2020-19609 ift.tt/3eD7TZm | 2021-07-21 17:02:31 |
| @workentin | New vulnerability on the NVD: CVE-2020-19609 ift.tt/3eD7TZm | 2021-07-21 17:05:38 |
| @threatmeter | CVE-2020-19609 Artifex MuPDF before 1.18.0 has a heap based buffer over-write in tiff_expand_colormap() function wh… twitter.com/i/web/status/1… | 2021-07-22 07:09:33 |
| /r/netcve | CVE-2020-19609 | 2021-07-21 15:38:30 |

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**CVE.report and Source URL Uptime Status** status.cve.report