



# CVE-2010-2481

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

## Summary

|                        |                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2010-2481                                                                                                             |
| <b>State</b>           | PUBLIC                                                                                                                    |
| <b>Assigner</b>        | secalert@redhat.com                                                                                                       |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback                                                                              |
| <b>Published</b>       | 2010-07-06 17:17:00 UTC                                                                                                   |
| <b>Updated</b>         | 2023-02-13 04:21:00 UTC                                                                                                   |
| <b>Description</b>     | The TIFFExtractData macro in LibTIFF before 3.9.4 does not properly handle unknown tag types in TIFF directory entries, v |

## Risk And Classification

### Problem Types: CWE-119

## NVD Known Affected Configurations (CPE 2.3)

| Type        | Vendor  | Product | Version | Update | Edition | Language |
|-------------|---------|---------|---------|--------|---------|----------|
| Application | Libtiff | Libtiff | 3.4     | All    | All     | All      |
| Application | Libtiff | Libtiff | 3.4     | beta18 | All     | All      |
| Application | Libtiff | Libtiff | 3.4     | beta24 | All     | All      |
| Application | Libtiff | Libtiff | 3.4     | beta28 | All     | All      |
| Application | Libtiff | Libtiff | 3.4     | beta29 | All     | All      |
| Application | Libtiff | Libtiff | 3.4     | beta31 | All     | All      |
| Application | Libtiff | Libtiff | 3.4     | beta32 | All     | All      |
| Application | Libtiff | Libtiff | 3.4     | beta34 | All     | All      |
| Application | Libtiff | Libtiff | 3.4     | beta35 | All     | All      |
| Application | Libtiff | Libtiff | 3.4     | beta36 | All     | All      |
| Application | Libtiff | Libtiff | 3.4     | beta37 | All     | All      |
| Application | Libtiff | Libtiff | 3.5.1   | All    | All     | All      |
| Application | Libtiff | Libtiff | 3.5.2   | All    | All     | All      |
| Application | Libtiff | Libtiff | 3.5.3   | All    | All     | All      |
| Application | Libtiff | Libtiff | 3.5.4   | All    | All     | All      |
| Application | Libtiff | Libtiff | 3.5.5   | All    | All     | All      |
| Application | Libtiff | Libtiff | 3.5.6   | All    | All     | All      |

|             |                         |                         |       |        |     |     |
|-------------|-------------------------|-------------------------|-------|--------|-----|-----|
|             |                         |                         |       |        |     |     |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.6 | beta   | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.7 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.7 | alpha  | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.7 | alpha2 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.7 | alpha3 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.7 | alpha4 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.7 | beta   | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.6.0 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.6.0 | beta   | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.6.0 | beta2  | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.6.1 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.0 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.0 | alpha  | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.0 | beta   | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.0 | beta2  | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.1 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.2 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.3 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.4 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.8.0 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.8.1 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.8.2 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.9   | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.9.0 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.9.0 | beta   | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.9.1 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.9.2 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.4   | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.4   | beta18 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.4   | beta24 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.4   | beta28 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.4   | beta29 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.4   | beta31 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.4   | beta32 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.4   | beta34 | All | All |

|             |                         |                         |       |        |     |     |
|-------------|-------------------------|-------------------------|-------|--------|-----|-----|
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.4   | beta35 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.4   | beta36 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.4   | beta37 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.1 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.2 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.3 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.4 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.5 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.6 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.6 | beta   | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.7 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.7 | alpha  | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.7 | alpha2 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.7 | alpha3 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.7 | alpha4 | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.5.7 | beta   | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.6.0 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.6.0 | beta   | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.6.0 | beta2  | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.6.1 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.0 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.0 | alpha  | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.0 | beta   | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.0 | beta2  | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.1 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.2 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.3 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.7.4 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.8.0 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.8.1 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.8.2 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.9   | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.9.0 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.9.0 | beta   | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.9.1 | All    | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.9.2 | All    | All | All |

|             |                         |                         |       |     |     |     |
|-------------|-------------------------|-------------------------|-------|-----|-----|-----|
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | 3.9.2 | All | All | All |
| Application | <a href="#">Libtiff</a> | <a href="#">Libtiff</a> | All   | All | All | All |

| References                                                                               |  |  |         |                                       |           |  |
|------------------------------------------------------------------------------------------|--|--|---------|---------------------------------------|-----------|--|
| Reference                                                                                |  |  | Source  | Link                                  | Tags      |  |
| 'Re: [oss-security] CVE requests: LibTIFF' - MARC                                        |  |  | MLIST   | <a href="#">marc.info</a>             |           |  |
| Bug 2210 – libtiff 3.9 crashes on out-of-order codec-specific tags, if wrong data type   |  |  | CONFIRM | <a href="#">bugzilla.maptools.org</a> | Exploit,  |  |
| Support                                                                                  |  |  | REDHAT  | <a href="#">www.redhat.com</a>        |           |  |
| access.redhat.com   CVE-2010-2481                                                        |  |  | MISC    | <a href="#">access.redhat.com</a>     |           |  |
| 611895 – (CVE-2010-2481) CVE-2010-2481 libtiff: TIFFExtractData out-of-bounds read crash |  |  | MISC    | <a href="#">bugzilla.redhat.com</a>   |           |  |
| Red Hat Customer Portal                                                                  |  |  | MISC    | <a href="#">access.redhat.com</a>     |           |  |
| Security Advisory SA50726 - Gentoo update for tiff - Secunia                             |  |  | SECUNIA | <a href="#">secunia.com</a>           |           |  |
| 'Re: [oss-security] CVE requests: LibTIFF' - MARC                                        |  |  | MLIST   | <a href="#">marc.info</a>             |           |  |
| Webmail - OVH                                                                            |  |  | VUPEN   | <a href="#">www.vupen.com</a>         |           |  |
| '[oss-security] CVE requests: LibTIFF' - MARC                                            |  |  | MLIST   | <a href="#">marc.info</a>             |           |  |
| Red Hat update for libtiff - Advisories - Community                                      |  |  | SECUNIA | <a href="#">secunia.com</a>           |           |  |
| 'Re: [oss-security] CVE requests: LibTIFF' - MARC                                        |  |  | MLIST   | <a href="#">marc.info</a>             |           |  |
| oss-security - Re: CVE requests: LibTIFF                                                 |  |  | MLIST   | <a href="#">www.openwall.com</a>      |           |  |
| Gentoo Linux Documentation -- libTIFF: Multiple vulnerabilities                          |  |  | GENTOO  | <a href="#">security.gentoo.org</a>   |           |  |
| 'Re: [oss-security] CVE requests: LibTIFF' - MARC                                        |  |  | MLIST   | <a href="#">marc.info</a>             |           |  |
| CVE Program record                                                                       |  |  | CVE.ORG | <a href="#">www.cve.org</a>           | canonical |  |
| NVD vulnerability detail                                                                 |  |  | NVD     | <a href="#">nvd.nist.gov</a>          | canonical |  |

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.