# Alpine Linux - Bug #9818

Bug # 9816 (Closed): wget: Information exposure in set_file_metadata function in xattr.c (CVE-2018-20483)

## [3.8] wget: Information exposure in set_file_metadata function in xattr.c (CVE-2018-20483)

01/01/2019 11:49 AM - Alicha CH

| | | | |
|---|---|---|---|
| **Status:** | Closed | **Start date:** | 01/01/2019 |
| **Priority:** | Normal | **Due date:** | |
| **Assignee:** | Carlo Landmeter | **% Done:** | 100% |
| **Category:** | Security | **Estimated time:** | 0.00 hour |
| **Target version:** | 3.8.2 | | |
| **Affected versions:** | | **Security IDs:** | CVE-2018-20483 |

**Description**

set_file_metadata in xattr.c in GNU Wget before 1.20.1 stores a file's origin URL in the user.xdg.origin.url metadata attribute of the extended attributes of the
downloaded file, which allows local users to obtain sensitive information (e.g., credentials contained in the URL) by reading this attribute, as demonstrated by getfattr.
This also applies to Referer information in the user.xdg.referrer.url metadata attribute. According to 2016-07-22 in the Wget ChangeLog, user.xdg.origin.url was
partially based on the behavior of fwrite_xattr in tool_xattr.c in curl.

## Fixed In Version:

wget 1.20.1

## References:

http://git.savannah.gnu.org/cgit/wget.git/tree/NEWS
https://nvd.nist.gov/vuln/detail/CVE-2018-20483

## Patches:

Introduced by: https://git.savannah.gnu.org/cgit/wget.git/commit/?id=a933bdd31eee9c956a3b5cc142f004ef1fa94cb3 (v1.19)
http://git.savannah.gnu.org/cgit/wget.git/commit/?id=c125d24762962d91050d925fbbd9e6f30b2302f8
http://git.savannah.gnu.org/cgit/wget.git/commit/?id=3cdfb594cf75f11cdbb9702ac5e856c332ccacfa

### History

**#1 - 01/08/2019 11:08 AM - Leonardo Arena**

*- Status changed from New to Resolved*

Fixed with commit 1eabf36322e007ecbef28fe8ab5e63e005e82418

**#2 - 01/09/2019 07:11 AM - Alicha CH**

*- Project changed from Alpine Security to Alpine Linux*

*- Category set to Security*

*- Status changed from Resolved to Closed*

**#3 - 01/09/2019 07:12 AM - Alicha CH**

*- % Done changed from 0 to 100*