



## Security Advisory Report - OBSO-1709-01

### curl / libcurl Function TFTP File Name Handling Out-of-bounds Read Issue (CVE-2017-1000100)

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#### Summary

Libcurl vulnerability: TFTP given a URL that contains a very long file name

A malicious HTTP(S) server could redirect a vulnerable libcurl-using client to a crafted TFTP URL.

Products that use TFTP transfer via libcurl are affected.

#### Vulnerability Details

When doing a TFTP transfer and curl/libcurl is given a URL that contains a very long file name (longer than about 515 bytes), the file name is truncated to fit within the buffer boundaries, but the buffer size is still wrongly updated to use the untruncated length. This too large value is then used in the `sendto()` call, making curl attempt to send more data than what is actually put into the buffer. The `sendto()` function will then read beyond the end of the heap based buffer.

A malicious HTTP(S) server could redirect a vulnerable libcurl-using client to a crafted TFTP URL (if the client hasn't restricted which protocols it allows redirects to) and trick it to send private memory contents to a remote server over UDP. Limit curl's redirect protocols with `--proto-redirect` and libcurl's with [CURLOPT\\_REDIRECT\\_PROTOCOLS](#).

We are not aware of any exploit of this flaw.

This bug has been present in curl since TFTP support was added, in September 2005 (commit [56d9624b566](#)).

**Affected versions:** libcurl [7.15.0](#) to and including [7.54.1](#)

**Not affected versions:** libcurl < [7.15.0](#) and >= [7.55.0](#)

libcurl is used by many applications, but not always advertised as such

A [patch for CVE-2017-1000100](#) is available. The function now returns error if attempting to send a file name that is too long to fit in the TFTP packet.

This flaw also affects the curl command line tool.

The Common Vulnerabilities and Exposures (CVE) project has assigned the name CVE-2017-1000100 to this issue.

#### Affected Products

##### Affected Products

All Unify products deploying and using libcurl:

OpenScape 4000 and 4000 Assistant V7 and V8  
OpenScape Branch and SBC V8 and 9  
OpenScape Xpressions V7  
OpenScape Business V2  
OpenScape Diagnostic Data Collector  
OpenScape Contact Center V9  
**are not affected by this vulnerability.**

All other products do not use libcurl and are thus not affected anyhow.

#### Recommended Actions

## Recommendations:

**No Unify product is affected, none of them uses TFTP transfer vial libcurl**

For other products:

We suggest you take one of the following actions immediately, in order of preference:

A - Upgrade curl and libcurl to version [7.55.0](#)

B - Apply the patch to your version and rebuild

C - Disable TFTP or otherwise restrict TFTP transfers

## References

[https://curl.haxx.se/docs/adv\\_20170809B.html](https://curl.haxx.se/docs/adv_20170809B.html)

<https://curl.haxx.se/CVE-2017-1000100.patch>

<https://access.redhat.com/security/cve/cve-2017-1000100>

<https://github.com/curl/curl/commit/358b2b131ad6c095696f20dcfa62b8305263f898>

## Revision History

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Security Advisories are released as part of Unify's Vulnerability Intelligence Process. For more information see <https://www.unify.com/security/advisories>.

### Contact and Disclaimer

OpenScape Baseline Security Office

[obso@unify.com](mailto:obso@unify.com)

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Mies-van-der-Rohe Str. 6, D-80807 München

[www.unify.com](http://www.unify.com)

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