

main

...

Poc / ofcc / CVE-2022-35037.md



Cvjark Create CVE-2022-35037.md

History

1 contributor

77 lines (67 sloc) | 3.3 KB

...

Product Link

<https://github.com/caryll/ofcc>

POC file

https://github.com/Cvjark/Poc/files/9059892/id24_heap_buffer_overflow_sample_otfccdump%2B0x6adb1e.zip

Command to reproduce

```
./otfccbuild --pretty [sample file] -o /dev/null
```

Product name & version

last github commit code : 617837b

Problem Type

heap-buffer-overflow

Crash Detail

```
==109163==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x6120000008bd
at pc 0x0000006adb1f bp 0x7ffcefac54e0 sp 0x7ffcefac54d8
READ of size 1 at 0x6120000008bd thread T0
#0 0x6adb1e (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x6adb1e)
#1 0x6b71de (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x6b71de)
#2 0x5265aa (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x5265aa)
#3 0x4fe3fe (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x4fe3fe)
#4 0x4f5710 (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x4f5710)
#5 0x7f199d870c86 in __libc_start_main /build/glibc-CVJwZb/glibc-
2.27/csu/../csu/libc-start.c:310
#6 0x41c549 (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x41c549)
```

0x6120000008bd is located 754 bytes to the right of 267-byte region
[0x6120000004c0,0x6120000005cb)
allocated by thread T0 here:

```
#0 0x4aecdc in calloc (/home/bupt/Desktop/otfcc/bin/release-
x64/otfccdump+0x4aecdc)
#1 0x6b69c5 (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x6b69c5)
#2 0x4fe3fe (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x4fe3fe)
#3 0x4f5710 (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x4f5710)
#4 0x7f199d870c86 in __libc_start_main /build/glibc-CVJwZb/glibc-
2.27/csu/../csu/libc-start.c:310
```

SUMMARY: AddressSanitizer: heap-buffer-overflow
(/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x6adb1e)

Shadow bytes around the buggy address:

```
0x0c247fff80c0: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
0x0c247fff80d0: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
0x0c247fff80e0: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
0x0c247fff80f0: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
0x0c247fff8100: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
=>0x0c247fff8110: fa fa fa fa fa fa fa fa[fa]fa fa fa fa fa fa fa fa fa
0x0c247fff8120: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
0x0c247fff8130: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
0x0c247fff8140: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
0x0c247fff8150: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
0x0c247fff8160: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
```

Shadow byte legend (one shadow byte represents 8 application bytes):

```
Addressable:          00
Partially addressable: 01 02 03 04 05 06 07
Heap left redzone:    fa
Freed heap region:    fd
Stack left redzone:   f1
Stack mid redzone:    f2
Stack right redzone:  f3
Stack after return:   f5
Stack use after scope: f8
Global redzone:       f9
```

```
Global init order:      f6
Poisoned by user:      f7
Container overflow:     fc
Array cookie:          ac
Intra object redzone:   bb
ASan internal:         fe
Left alloca redzone:    ca
Right alloca redzone:   cb
Shadow gap:            cc
==109163==ABORTING
```

Crash summary

```
SUMMARY: AddressSanitizer: heap-buffer-overflow
(/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x6adb1e)
```