Cvjark Create CVE-2022-35042.md History

1 contributor

79 lines (68 sloc) | 3.43 KB ...

Product Link

https://github.com/caryll/otfcc

POC file

https://github.com/Cvjark/Poc/files/9059875/id0_heap_buffer_overflow_sample_otfccdump%2B0x4adb11.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

```
==100398==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x61200000044b
at pc 0x0000004adb12 bp 0x7ffd1d319ef0 sp 0x7ffd1d3196a0
READ of size 4294967295 at 0x61200000044b thread T0
    #0 0x4adb11 in __asan_memcpy (/home/bupt/Desktop/otfcc/bin/release-
x64/otfccdump+0x4adb11)
    #1 0x6b53ed  (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x6b53ed)
    #2 0x6b6b99  (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x6b6b99)
    #3 0x5265aa  (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x5265aa)
    #4 0x4fe3fe  (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x4fe3fe)
    #5 0x4f5710  (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x4f5710)
    #6 0x7f6a7f4b6c86 in __libc_start_main /build/glibc-CVJwZb/glibc-
2.27/csu/../csu/libc-start.c:310
    #7 0x41c549  (/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x41c549)

0x61200000044b is located 0 bytes to the right of 267-byte region
[0x612000000340,0x61200000044b)
allocated by thread T0 here:
    #0 0x4aecd8 in calloc (/home/bupt/Desktop/otfcc/bin/release-
x64/otfccdump+0x4aecd8)
    #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 0x7f6a7f4b6c86 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+0x4adb11) in __asan_memcpy
Shadow bytes around the buggy address:
  0x0c247fff8030: fa fa fa fa fa fa fa fa 00 00 00 00 00 00 00 00
  0x0c247fff8040: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
  0x0c247fff8050: 00 00 00 00 00 00 00 00 00 00 fa fa fa fa fa fa
  0x0c247fff8060: fa fa fa fa fa fa fa fa 00 00 00 00 00 00 00 00
  0x0c247fff8070: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
=>0x0c247fff8080: 00 00 00 00 00 00 00 00 00[03]fa fa fa fa fa fa
  0x0c247fff8090: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
  0x0c247fff80a0: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
  0x0c247fff80b0: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
  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
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
==100398==ABORTING
```

Crash summary

```
SUMMARY: AddressSanitizer: heap-buffer-overflow
(/home/bupt/Desktop/otfcc/bin/release-x64/otfccdump+0x4adb11) in __asan_memcpy
```