Jump to bottom

New issue

A stack-buffer-overflow in mp4read.c:141:9 #56



⊘ Closed) seviezhou opened this issue on Aug 16, 2020 · 0 comments

```
seviezhou commented on Aug 16, 2020
System info
Ubuntu x86_64, clang 6.0, faad (latest master eb19fa)
Configure
CFLAGS="-g -fsanitize=address" LDFLAGS="-fsanitize=address" ./configure --enable-shared=no
Command line
./frontend/faad -w -b 5 @@
AddressSanitizer output
  ==66437==ERROR: AddressSanitizer: stack-buffer-overflow on address 0x7fff84ab6078 at pc 0x0000004462d7 bp 0x7fff84ab5ee0 sp 0x7fff84ab5690 READ of size 41 at 0x7fff84ab6078 thread T0
       #0 0x4462d6 in printf_common(void*, char const*, _va_list_tag*) (/home/seviezhou/faad2/frontend/faad+0x4462d6) #1 0x446f1b in _interceptor_vfprintf (/home/seviezhou/faad2/frontend/faad+0x446f1b)
       #2 0x446fe6 in fprintf (/home/seviezhou/faad2/frontend/faad+0x446fe6)
#3 0x5150d3 in ftypin /home/seviezhou/faad2/frontend/mp4read.c:141:9
       #4 0x5143fd in parse /home/seviezhou/faad2/frontend/mp4read.c:765:19
       #5 0x5130f8 in mp4read_open /home/seviezhou/faad2/frontend/mp4read.c:999:9 #6 0x52a3a7 in decodeMP4file /home/seviezhou/faad2/frontend/main.c:830:9
       #7 0x52a3a7 in faad_main /home/seviezhou/faad2/frontend/main.c:1323
#8 0x7f9c8fbc2b96 in _libc_start_main /build/glibc-OTsEL5/glibc-2.27/csu/../csu/libc-start.c:310
#9 0x41a669 in _start (/home/seviezhou/faad2/frontend/faad+0x41a669)
  Address 0x7fff84ab6078 is located in stack of thread T0 at offset 88 in frame #0 0x514aef in ftypin /home/seviezhou/faad2/frontend/mp4read.c:126
       [32, 36) 'u32.i' (line 104)
  [34], 36) USZ.1 (LINE 189]

[48], 88) 'buf' (line 128) <== Memory access at offset 88 overflows this variable

HINT: this may be a false positive if your program uses some custom stack unwind mechanism or swapcontext
         (longjmp and C++ exceptions *are* supported)
   SUMMARY: AddressSanitizer: stack-buffer-overflow (/home/seviezhou/faad2/frontend/faad+0x4462d6) in printf_common(void*, char const*, __va_list_tag*)
   Shadow bytes around the buggy address:
    =>0x10007094ec00: 00 00 00 00 f1 f1 f1 f1 f8 f2 00 00 00 00 00 f3]
     0x10007094ec50: f8 f2 f2 f2 04 f3 f3 f3 00 00 00 00 00 00 00
   Shadow byte legend (one shadow byte represents 8 application bytes):
     Addressable:
                              00
     Partially addressable: 01 02 03 04 05 06 07
     Heap left redzone:
Freed heap region:
     Stack left redzone:
     Stack mid redzone:
     Stack right redzone:
                                 f3
     Stack after return:
Stack use after scope:
     Global redzone:
     Global init order:
     Poisoned by user:
     Container overflow:
     Array cookie:
     Intra object redzone:
     ASan internal:
     Left alloca redzone:
    Right alloca redzone:
   ==66437==ABORTING
POC
stack-overflow-ftypin-mp4read-141.zip
```

fabiangreffrath closed this as completed in 1073aee on Aug 17, 2020

Labels None yet	
Projects None yet	
Milestone No milestone	
Development No branches or pull requests	

1 participant

