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A heap-buffer-overflow in sbr_qmf.c:614:27 #60



New issue

seviezhou commented on Aug 30, 2020 System info Ubuntu x86_64, clang 6.0, faad (latest master 1073ae) Configure CFLAGS="-g -fsanitize=address" LDFLAGS="-fsanitize=address" ./configure --enable-shared=no Command line ./frontend/faad -w -b 5 @@ AddressSanitizer output NULL 174.805 secs, 5 ch, 48000 Hz ==39716==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x621000008900 at pc 0x0000005e19ba bp 0x7ffc780ef510 sp 0x7ffc780ef508 WRITE of size 4 at 0x621000008900 thread T0 #0 0x5e19b9 in sbr_qmf_synthesis_64 /home/seviezhou/faad2/libfaad/sbr_qmf.c:614:27 #1 0x59aeae in sbrDecodeSingleFrame /home/seviezhou/faad2/libfaad/sbr_dec.c:568:9 #2 0x5c2f81 in reconstruct single channel /home/seviezhou/faad2/libfaad/specrec.c:1070:22 #3 0x556c2e in single_lfe_channel_element /home/seviezhou/faad2/libfaad/syntax.c:643:14 #4 0x556c2e in decode_sce_lfe /home/seviezhou/faad2/libfaad/syntax.c:357 #5 0x55593a in raw_data_block /home/seviezhou/faad2/libfaad/syntax.c:550:13 #6 0x5389de in aac_frame_decode /home/seviezhou/faad2/libfaad/decoder.c:990:9 #7 0x52f738 in decodeMP4file /home/seviezhou/faad2/frontend/main.c:916:25 #8 0x52f738 in faad_main /home/seviezhou/faad2/frontend/main.c:1323 #9 0x7f3373f6783f in _libc_start_main /build/glibc-e6zv40/glibc-2.23/csu/../csu/libc-start.c:291
#10 0x41a698 in _start (/home/seviezhou/faad2/frontend/faad+0x41a698) 0x621000008900 is located 0 bytes to the right of 4096-byte region [0x621000007900,0x621000008900) allocated by thread T0 here: #0 0xdde8a8 in __interceptor_malloc /home/seviezhou/llvm-6.0.0/projects/compiler-rt/lib/asan/asan_malloc_linux.cc:88 #1 0x5c1a0b in allocate single_channel /home/seviezhou/faad2/libfaad/specrec.c:736:48 #2 0x5c1a0b in reconstruct_single_channel /home/seviezhou/faad2/libfaad/specrec.c:934 #3 0x556c2e in single_lfe_channel_element /home/seviezhou/faad2/libfaad/syntax.c:643:14 #4 0x556c2e in decode_sce_lfe /home/seviezhou/faad2/libfaad/syntax.c:357
#5 0x55593a in raw_data_block /home/seviezhou/faad2/libfaad/syntax.c:550:13 SUMMARY: AddressSanitizer: heap-buffer-overflow /home/seviezhou/faad2/libfaad/sbr_qmf.c:614:27 in sbr_qmf_synthesis_64 Addressable: Partially addressable: 01 02 03 04 05 06 07 Heap left redzone: fa Freed heap region: Stack left redzone: Stack mid redzone: Stack right redzone: 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: ==39716==ABORTING POC heap-overflow-sbr_qmf_synthesis_64-sbr_qmf-614.zip

awesie added a commit to awesie/faad2 that referenced this issue on Oct 5, 2020

fabiangreffrath commented on Oct 7, 2020	Collaborator
c78251b	

abiangreffrath closed this as completed on Oct 7, 2020

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

2 participants

