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A heap-buffer-overflow in lt_predict.c:108:36 #62



seviezhou commented on Sep 4, 2020 System info Ubuntu x86_64, clang 6.0, faad (latest master f71b5e) Configure CFLAGS="-g -fsanitize=address" LDFLAGS="-fsanitize=address" ./configure --enable-shared=no Command line ./frontend/faad -w -b 5 @@ AddressSanitizer output ==13979==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x620000003006 at pc 0x0000005e1605 bp 0x7ffc00e45c30 sp 0x7ffc00e45c28 READ of size 2 at 0x62000003006 thread T0#0 0x5e1604 in lt_prediction /home/seviezhou/faad2/libfaad/lt_predict.c:108:36
#1 0x5be727 in reconstruct_single_channel /home/seviezhou/faad2/libfaad/specrec.c:995:9 #2 0x55308e in single_lfe_channel_element /home/seviezhou/faad2/libfaad/syntax.c:643:14 #2 0x55389e in single_lte_channel_element /home/seviezhou/taad/sintaa/synta #3 0x55389e in decode_cce_lfe /home/seviezhou/faad/libfaad/syntax.c:357 #4 0x551d9a in raw_data_block /home/seviezhou/faad/libfaad/syntax.c:550:13 #5 0x534ele in aac_frame_decode /home/seviezhou/faad2/libfaad/decoder.c:900:9 #6 0x52b0eb in decodeMP4file /home/seviezhou/faad2/frontend/main.c:916:25 #7 0x52bbeb in faad_main /home/seviezhou/faad2/frontend/main.c:1323 #8 0x7f3ce6cebb96 in _libc_start_main /build/glibc-0TsEL5/glibc-2.27/csu/../csu/libc-start.c:310 #9 0x41a669 in _start (/home/seviezhou/faad2/frontend/faad+0x41a669) 0x620000003006 is located 122 bytes to the left of 3840-byte region [0x620000003080,0x620000003f80) allocated by thread T0 here: #0 0x4da520 in __interceptor_malloc (/home/seviezhou/faad2/frontend/faad+0x4da520)
#1 0x5bdc3e in allocate_single_channel /home/seviezhou/faad2/libfaad/specrec.c:714:53 #2 0x5bdc3e in reconstruct_single_channel /home/seviezhou/faad2/libfaad/specrec.c:934 #3 0x55308e in single_lfe_channel_element /home/seviezhou/faad2/libfaad/syntax.c:643:14
#4 0x55308e in decode_sce_lfe /home/seviezhou/faad2/libfaad/syntax.c:357 #5 0x551d9a in raw_data_block /home/seviezhou/faad2/libfaad/syntax.c:550:13 SUMMARY: AddressSanitizer: heap-buffer-overflow /home/seviezhou/faad2/libfaad/lt_predict.c:108:36 in lt_prediction Shadow byte legend (one shadow byte represents 8 application bytes): 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: ==13979==ABORTING POC heap-overflow-lt_prediction-lt_predict-108.zip

as completed in e19a5e4 on Oct 6, 2020

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

1 participant

