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New issue

A heap-buffer-overflow in sela_file.cpp:78:67 #26

⊙ Open seviezhou opened this issue on Aug 14, 2020 · 0 comments seviezhou commented on Aug 14, 2020 System info Ubuntu x86_64, clang 6.0, sela (latest master ca09cb) Configure cmake ... -DCMAKE_CXX_FLAGS="-fsanitize=address -g" -DCMAKE_C_FLAGS="-fsanitize=address -g" -DCMAKE_EXE_LINKER_FLAGS="-fsanitize=address" -DCMAKE_MODULE_LINKER_FLAGS="-fsanitize=address" -DCMAKE_MODULE_LINKER_FLAGS="-fsanitize=addres fsanitize=address Command line ./build/sela -d @@ /dev/null AddressSanitizer output ==36806==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x62a000005775 at pc 0x000000548d25 bp 0x7ffef4e9b430 sp 0x7ffef4e9b428 READ of size 1 at 0x62a000005775 thread T0 #0 0x548d24 in file::SelaFile::readFromFile(std::basic_ifstream<char, std::char_traits<char> >8) /home/seviezhou/sela/src/file/sela_file.cpp:78:67
#1 0x56d713 in sela::Decoder::readFrames() /home/seviezhou/sela/src/sela/decoder.cpp:38:14 #2 0x56d713 in sela::Decoder::process() /home/seviezhou/sela/src/sela/decoder.cpp:97 #3 0x5idbe8 in decodeFile(std::basic_ifstream<char, std::char_traits<char> >8, std::basic_ofstream<char, std::char_traits<char> >8) /home/seviezhou/sela/src/main.cpp:39:37 #4 0x51f553 in main /home/seviezhou/sela/src/main.cpp:85:17 #5 0x7fa6b3dd783f in _libc_start_main /build/glibc-e6zv40/glibc-2.23/csu/../csu/libc-start.c:291 #6 0x41c5e8 in start (/home/seviezhou/sela/build/sela+0x41c5e8) 0x62a000005775 is located 2 bytes to the right of 21875-byte region [0x62a000000200,0x62a000005773) allocated by thread T0 here:
#0 0x518278 in operator new(unsigned long) /home/seviezhou/llvm-6.0.0/projects/compiler-rt/lib/asan/asan_new_delete.cc:92 #1 0x54c83a in _gnu_cxx::new_allocator<char>::allocate(unsigned long, void const*) /usr/lib/gcc/x86_64-linux-gnu/8/../../../.include/c++/8/ext/new_allocator.h:111:27 #2 0x54c83a in std::allocator_traits<std::allocator<char> >::allocate(std::allocator<char>&, unsigned long) /usr/lib/gcc/x86_64-linuxgnu/8/../../.rinclude/c++/8/bits/alloc_traits.h:436
#3 0x54c83a in std::_Vector_base<char, std::allocator<char> >::_M_allocate(unsigned long) /usr/lib/gcc/x86_64-linux-gnu/8/../../../include/c++/8/bits/stl_vector.h:296 ## 0x54c83a in std:.vector<char, std::allocator<char> >::_M_default_append(unsigned long) /usr/lib/gcc/x86_64-linux-gnu/8/../../../include/c++/8/bits/vector.tcc:604 SUMMARY: AddressSanitizer: heap-buffer-overflow /home/seviezhou/sela/src/file/sela_file.cpp:78:67 in file::SelaFile::readFromFile(std::basic_ifstream<char, std::char_traits<char> Shadow bytes around the buggy address: 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: Stack mid redzone: Stack right redzone: Stack after return: Stack use after scope: Global redzone: Global init order: Poisoned by user: Container overflow: Intra object redzone: bb ASan internal: Left alloca redzone: Right alloca redzone: ==36806==ABORTING

POC

heap-overflow-readFromFile-sela_file-78.zip

Assignees

No one assigned

Labels

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

1 participant

