

Build step

Run

poc.zip

Output

cmake -DLIEF_ASAN=ON ../

Can't read the state data

Binary Name: poc

./build/examples/c/macho_reader poc

Can't read the raw data of the load command

```
Header
=======
Magic: 0xcefaedfe
CPU Type: ARM64
CPU SubType: 0x0
File type: OBJECT
Number of commands: 0x13a
Commands size: 0x0
flags: 0x0
reserved: 0x0
Commands
=======
THREAD
                0x4040000f 0x00001c
______
==3241437==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x602000000152 at pc
0x555c3f7df416 bp 0x7ffc25ef7040 sp 0x7ffc25ef7030
READ of size 1 at 0x602000000152 thread T0
   #0 0x555c3f7df415 in print binary /home/wcc/LIEF/examples/c/macho reader.c:39
   #1 0x555c3f7dff11 in main /home/wcc/LIEF/examples/c/macho reader.c:150
   #2 0x7fe3286cb0b2 in __libc_start_main (/lib/x86_64-linux-gnu/libc.so.6+0x240b2)
   #3 0x555c3f7debfd in start (/home/wcc/LIEF/build/examples/c/macho reader+0x280bfd)
0x602000000152 is located 1 bytes to the right of 1-byte region [0x602000000150,0x602000000151)
allocated by thread T0 here:
   #0 0x7fe328cf2808 in interceptor malloc
../../src/libsanitizer/asan/asan_malloc_linux.cc:144
   #1 0x555c3f8e3d36 in LIEF::Mach0::init_c_commands(Macho_Binary_t*, LIEF::Mach0::Binary*)
/home/wcc/LIEF/api/c/MachO/LoadCommand.cpp:31
SUMMARY: AddressSanitizer: heap-buffer-overflow /home/wcc/LIEF/examples/c/macho_reader.c:39 in
print_binary
Shadow bytes around the buggy address:
 0x0c047fff8000: fa fa 00 00 fa fa fd fa fa fa 00 00 fa fa 00 fa
 0x0c047fff8010: fa fa fd fa fa fa 00 fa fa fa 00 fa fa fa 00 fa
=>0x0c047fff8020: fa fa 00 00 fa fa 00 00 fa fa[01]fa fa fa 00 fa
 0x0c047fff8030: fa fa 00 fa fa
 Shadow byte legend (one shadow byte represents 8 application bytes):
 Addressable:
                   99
 Partially addressable: 01 02 03 04 05 06 07
 Heap left redzone:
                    fa
 Freed heap region:
                    fd
 Stack left redzone:
 Stack mid redzone:
                    f2
 Stack right redzone:
 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: Intra object redzone: bb ASan internal: fe Left alloca redzone: ca Right alloca redzone: cb Shadow gap: CC ==3241437==ABORTING **CCWANG19** assigned **romainthomas** on Aug 10 nomainthomas added bug MachO labels on Aug 12

mainthomas closed this as completed in 0033b63 on Aug 13

romainthomas commented on Aug 13

Member

Thank you again for reporting these issues!

abla romainthomas added a commit that referenced this issue 25 days ago



20cde42

Assignees



Labels

bug MachO

Projects

None yet

Milestone

No milestone

Development

-----p....

No branches or pull requests

2 participants



