



## SoX - Sound eXchange Bugs

Brought to you by: cbagwell, mansr, robs, uklauer

```
#352 heap-overflow in formats i.c
                                                                                                                                                                                                                                                                                                                                         3
 Status: open
                                                                                                                                                               Labels: bug (6)
Updated: 2021-04-20 Created: 2021-04-20 Creator: treebacker
                                                                                                                                                                                                                                     Private: No
 There is a heap overflow in formats_i.c:376, function | 1sx_read_w_buf |.
 Trigger command:
   ubuntu@VM-0-3-ubuntu:~/treebacker/fuzzwork/dataset/tprogram/sox-code/asan/sox-code$ ./src/.libs/
               204==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x6250000020f8 at pc 0x7flb2d0bD of size 2 at 0x6250000020f8 thread TO

#0 0x7flb2d0bT646 in lsx_read_w_buf_/home/ubuntu/treebacker/fuzzwork/dataset/tprogram/sox-code/as:
#2 0x7flb2d0bT68 in lsx_readw_home/ubuntu/treebacker/fuzzwork/dataset/tprogram/sox-code/as:
#2 0x7flb2d183a95 in lsx_readsw_home/ubuntu/treebacker/fuzzwork/dataset/tprogram/sox-code/as:
#3 0x7flb2d1843f3 in startread /home/ubuntu/treebacker/fuzzwork/dataset/tprogram/sox-code/as:
#4 0x7flb2d0af460 in open read /home/ubuntu/treebacker/fuzzwork/dataset/tprogram/sox-code/as:
#5 0x7flb2d0af460 in open read /home/ubuntu/treebacker/fuzzwork/dataset/tprogram/sox-code/as:
#5 0x7flb2d0af460 in main /home/ubuntu/treebacker/fuzzwork/dataset/tprogram/sox-code/as-
#7 0x7flb2c6c8bf6 in _libc_start_main (/lib/x86_64-linux-gnu/libc.so.6+0x2lbf6)
#8 0x5624a316d339 in _start (/home/ubuntu/treebacker/fuzzwork/dataset/tprogram/sox-code/asan,
         K6250000020f8 is located 8 bytes to the right of 8176-byte region [0x625000000100,0x6250000020f]
Llocated by thread T0 here:
#0 0x7f1b2d52bab in _interceptor_malloc (/usr/lib/x86_64-linux-gnu/libasan.so.4+0xdeb40)
#1 0x7f1b2d0bb1fe in \(\frac{1}{3}\)\text{xmalloc} /home/ubuntu/treebacker/fuzzwork/dataset/tprogram/sox-code/a
#2 0x7f1b2d084435f in startread /home/ubuntu/treebacker/fuzzwork/dataset/tprogram/sox-code/as
#3 0x7f1b2d084f60 in open_read /home/ubuntu/treebacker/fuzzwork/dataset/tprogram/sox-code/as
#4 0x7f1b2d084f6a in sox_open_read /home/ubuntu/treebacker/fuzzwork/dataset/tprogram/sox-cod
#5 0x56243318458b in main /home/ubuntu/treebacker/fuzzwork/dataset/tprogram/sox-cod
#6 0x7f1b2c6c8bf6 in __libc_start_main (/lib/x86_64-linux-gnu/libc.so.6+0x21bf6)
```

```
0xfffeb0a9
0x8011
       aΘ --> ΘxΘ
   0x8011
   mov QWORD PTR [rdi+0x8],rax)
   0x0
0x6ee010 --> 0x102
  0x0
0x0
0x7ff
0x7fff74d5ca0 --> 0x7lleb0
0x7ffff74d5c40 --> 0x0
  egend: code, data, rodata, value
Stopped reason: SIGSEGV
The crafted file is attached.
1 Attachments
bug4
Discussion
Log in to post a comment.
```

## SourceForge

In gdb:

Create a Project

Open Source Software

Business Software

Top Downloaded Projects

## Company

About

Team

SourceForge Headquarters

225 Broadway Suite 1600

San Diego, CA 92101

+1 (858) 454-5900

## Resources

Support

Site Documentation

Site Status

