```
# Description
 Integer Overflow in function lsr_translate_coords at
laser/lsr_dec.c:856
Ubuntu 20.04 lts
 # Version info
 ```bash
Sibash git log commit 68064e10172675e0853d6f429fb2055112835602 (HEAD -> master, origin/master, origin/HEAD)
Author: jeanlf <jeanlf@gpac.io>
Date: Fri Nov 18 10:36:10 2022 +0100
 ./MP4Box -version
MP4Box - GPAC version 2.1-DEV-rev490-g68064e101-master
(c) 2000-2022 Telecom Paris distributed under LGPL v2.1+ -
 http://gpac.io
 Please cite our work in your research:

GPAC Filters: https://doi.org/10.1145/3339825.3394929

GPAC: https://doi.org/10.1145/1291233.1291452
GPAC Configuration: --enable-sanitizer --enable-debug
Features: GPAC_CONFIG_LINUX GPAC_64 BITS GPAC_HAS_IPV6 GPAC_HAS_SSL
GPAC_HAS_SOCK_UN GPAC_MINIMAL_ODF GPAC_HAS_QJS GPAC_HAS_FAAD
GPAC_HAS_MAD_GPAC_HAS_LIBA52 GPAC_HAS_UPEG_GPAC_HAS_FNG
GPAC_HAS_FMPEG_GPAC_HAS_THEORA GPAC_HAS_VORBIS GPAC_HAS_XVID
GPAC_HAS_LINUX_DVB
 # compile
 ./configure --enable-sanitizer --enable-debug
make
 ```bash
 MP4Box -bt poc
 # POC
 [POC-Integer-Overflow]
 (https://drive.google.com/file/d/17000RtI03P1z4gE_ilRZQVS1w7uE7tX9/vi
 ew?usp=sharing)
 # Occurrences:
 [gpac/src/laser/lsr_dec.c:856:27]
 (https://github.com/gpac/gpac/blob/68064e10172675e0853d6f429fb2055112835602/src/laser/lsr_dec.c#1856)
 static Fixed lsr_translate_coords(GF_LASeRCodec *lsr, u32 val, u32
 nb_bits)
if (!nb_bits) return 0;
                               >res_factor);
                               return gf_divfix(INT2FIX(val), lsr->res_factor);
 #else
 return gf_divfix(INT2FIX(neg), lsr->res_factor);
                } else {
    return gf_divfix(INT2FIX(val), lsr->res_factor);
 #endif
 # Crash output
 /home/zw/AFL_Fuzz_Datas/gpac-bt/bin/gcc/MP4Box -bt poc1
/home/zw/AFL_Fuzz_Datas/gpac-bt/bin/gcc/MP4Box -bt pocl
[iso file] extra box maxr found in hinf, deleting
[iso file] extra box maxr found in hinf, deleting
[iso file] Unknown box type 80rak in parent moov
[iso file] Unknown box type 40raf in parent dinf
[iso file] Missing dref box in dinf
[iso file] Missing dref box maxr found in hinf, deleting
[iso file] Incomplete file while reading for dump - aborting parsing
[iso file] extra box maxr found in hinf, deleting
[iso file] extra box maxr found in hinf, deleting
[iso file] extra box maxr found in hinf, deleting
[iso file] Unknown box type 80rak in parent moov
[iso file] Unknown box type drzf in parent dinf
[iso file] Missing dref box in dinf
[iso file] Incomplete box mdat - start 11495 size 853090
[iso file] Incomplete file while reading for dump - aborting parsing
MPEG-4 LASER Scene Parsing
 MPEG-4 LASeR Scene Parsing
 [LASeR] sameg coded in bitstream but no g defined !
Reading 515 bits but max should be 64, skipping 451 most significants
bits
laser/lsr_dec.c:856:27: runtime error: left shift of 1 by 31 places
cannot be represented in type 'int'
SUMMARY: UndefinedBehaviorSanitizer: undefined-behavior
laser/lsr_dec.c:856:27 in
```