

==1445939==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x60400001d9b1 at pc 0x000000652ad9 bp 0x7ffe58ccc330 sp 0x7ffe58ccc328

READ of size 4 at 0x60400001d9b1 thread T0

#0 0x652ad8 in BitStreamWriter::flushBits() /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/bitStream.h:224:37

- #1 0x652ad8 in HevcUnit::updateBits(int, int, int) /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/hevc.cpp:89:15
- #2 0x66a7b9 in HEVCStreamReader::updateStreamFps(void*, unsigned char*, unsigned char*, int) /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/hevcStreamReader.cpp:372:10
- #3 0x7c8bd0 in MPEGStreamReader::updateFPS(void*, unsigned char*, unsigned char*, int)

/home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/mpegStreamReader.cpp:310:9

- #4 0x665b53 in HEVCStreamReader::checkStream(unsigned char*, int) /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/hevcStreamReader.cpp:68:17
- #5 0x7386cd in METADemuxer::detectTrackReader(unsigned char*, int, AbstractStreamReader::ContainerType, int, int) /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/metaDemuxer.cpp:796:22
- #6 0x7308c4 in METADemuxer::DetectStreamReader(BufferedReaderManager&, std::__cxx11::basic_string<char, std::char_traits, std::allocator > const&, bool)
 /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/metaDemuxer.cpp:696:35
- #7 0x6a9a25 in detectStreamReader(char const*, MPLSParser*, bool) /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/main.cpp:120:34
- #8 0x6b6504 in main /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/main.cpp:700:17
- #9 0x7fa8fce89082 in __libc_start_main /build/glibc-Szlz7B/glibc-2.31/csu/../csu/libc-start.c:308:16
- #10 0x50804d in _start (/home/hjsz/fuzz_software/tsMuxer-master/build/tsMuxer/tsmuxer+0x50804d)

0x60400001d9b3 is located 0 bytes to the right of 35-byte region [0x60400001d990,0x60400001d9b3) allocated by thread T0 here:

#0 0x5b000d in operator new[](unsigned long) (/home/hjsz/fuzz_software/tsMuxer-master/build/tsMuxer/tsmuxer+0x5b000d)

#1 0x651f6b in HevcUnit::decodeBuffer(unsigned char const*, unsigned char const*) /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/hevc.cpp:40:19

SUMMARY: AddressSanitizer: heap-buffer-overflow /home/hjsz/fuzz_software/tsMuxer-

master/tsMuxer/bitStream.h:224:37 in BitStreamWriter::flushBits()

Shadow bytes around the buggy address:

0x0c087fffbae0: fa fa fd fd fd fd fa fa fa fa fd fd fd fd fa

0x0c087fffbaf0: fa fa fd fd fd fd fa fa fa fa fd fd fd fd fa

0x0c087fffbb00: fa fa fd fd fd fd fa fa fa fd fd fd fd fa

0x0c087fffbb10: fa fa fd fd fd fd fa fa fa fa fd fd fd fd fa

0x0c087fffbb20: fa fa fd fd fd fd fa fa fa fa fd fd fd fd fa

=>0x0c087fffbb30: fa fa 00 00 00 00[03]fa fa fa fa fa fa fa fa

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: f1 Stack mid redzone: f2 Stack right redzone: f3

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: ac

Intra object redzone: bb

ASan internal: fe

Left alloca redzone: ca Right alloca redzone: cb

Shadow gap: cc

==1445939==ABORTING

Crash2

tsMuxeR version 2.6.16-dev. github.com/justdan96/tsMuxer

==1450879==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x608000004b7e at pc 0x0000005b633f bp 0x7fff15480e20 sp 0x7fff15480e18

READ of size 1 at 0x608000004b7e thread T0

#0 0x5b633e in BitStreamReader::getCurVal(unsigned int*) /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/bitStream.h:60:20

#1 0x7f9bbe in BitStreamReader::setBuffer(unsigned char*, unsigned char*)

/home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/bitStream.h:70:20

- #2 0x7f9bbe in SEIUnit::pic_timing(SPSUnit&, unsigned char*, int, bool) /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/nalUnits.cpp:1693:15
- #3 0x7f8166 in SEIUnit::sei_payload(SPSUnit&, int, unsigned char*, int, int)

/home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/nalUnits.cpp:1531:9

- #4 0x7f74af in SEIUnit::deserialize(SPSUnit&, int) /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/nalUnits.cpp:1408:13
- #5 0x62acfb in H264StreamReader::checkStream(unsigned char*, int) /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/h264StreamReader.cpp:138:25
- #6 0x737282 in METADemuxer::detectTrackReader(unsigned char*, int, AbstractStreamReader::ContainerType, int, int) /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/metaDemuxer.cpp:760:22
- #7 0x7308c4 in METADemuxer::DetectStreamReader(BufferedReaderManager&,
- std::__cxx11::basic_string < char, std::char_traits, std::allocator > const&, bool)

/home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/metaDemuxer.cpp:696:35

- #8 0x6a9a25 in detectStreamReader(char const*, MPLSParser*, bool) /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/main.cpp:120:34
- #9 0x6b6504 in main /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/main.cpp:700:17
- #10 0x7f20cbc80082 in libc start main /build/glibc-Szlz7B/glibc-2.31/csu/../csu/libc-start.c:308:16
- #11 0x50804d in start (/home/hjsz/fuzz software/tsMuxer-master/build/tsMuxer/tsmuxer+0x50804d)

0x608000004b7e is located 0 bytes to the right of 94-byte region [0x608000004b20,0x608000004b7e) allocated by thread T0 here:

#0 0x5b000d in operator new[](unsigned long) (/home/hjsz/fuzz_software/tsMuxer-master/build/tsMuxer/tsmuxer+0x5b000d)

#1 0x7e264b in NALUnit::decodeBuffer(unsigned char const*, unsigned char const*) /home/hjsz/fuzz_software/tsMuxer-master/tsMuxer/nalUnits.cpp:271:19

SUMMARY: AddressSanitizer: heap-buffer-overflow /home/hjsz/fuzz_software/tsMuxer-

master/tsMuxer/bitStream.h:60:20 in BitStreamReader::getCurVal(unsigned int*)

Shadow bytes around the buggy address:

0x0c107fff8910: fa fa fa fa 00 00 00 00 00 00 00 00 00 00 00

0x0c107fff8920: fa fa fa fa 00 00 00 00 00 00 00 00 00 00 00

0x0c107fff8930: fa fa fa fa 00 00 00 00 00 00 00 00 00 00 00

0x0c107fff8940: fa fa fa fa 00 00 00 00 00 00 00 00 00 00 00

0x0c107fff8950: fa fa fa fa 00 00 00 00 00 00 00 00 00 00 00

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: f1

Stack mid redzone: f2

Stack right redzone: f3

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: ac

Intra object redzone: bb

ASan internal: fe

Left alloca redzone: ca

Right alloca redzone: cb

Shadow gap: cc

==1450879==ABORTING

Poc

POC.zip

Thanks for your time!

Report of the Information Security Laboratory of Ocean University of China @OUC_ISLOUC @OUC Blue Whale



Collaborator jcdr428 commented on Oct 16 @yangfar the link to POC.zip is not working, can you please re-upload. yangfar commented on Oct 16 Author Ok, I will upload POC again. yangfar commented on Oct 16 Author Please try again. jcdr428 added a commit that referenced this issue on Oct 17 Set BitStreamException ... ✓ a302806 Collaborator jcdr428 commented on Oct 17 @yangfar please try tomorrow's release, thanks. icdr428 added the bug label on Oct 23 Collaborator jcdr428 commented on Oct 23 Closing, can be reopened upon request. icdr428 closed this as completed on Oct 23 Assignees No one assigned Labels bug

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

2 participants



