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Divide-by-zero in AC3Codec::decodeDtsHdFrame #428



○ Closed cemonatk opened this issue on May 24, 2021 · 0 comments

Labels

cemonatk commented on May 24, 2021 • edited 🕶 Hi, please see asan output and poc file below Found by Cem Onat Karagun of Diesec. System info: Ubuntu 21.04 tsMuxeR version git-f6ab2a2 To run PoC after unzip: \$./tsmuxer decoder poc decoder_poc.zip References: https://cwe.mitre.org/data/definitions/369.html ASAN output: tsMuxeR version git-f6ab2a2. github.com/justdan96/tsMuxer AddressSanitizer:DEADLYSIGNAL ==2890753==ERROR: AddressSanitizer: FPE on unknown address 0x000000444db8 (pc 0x000000444db8 bp 0x7ffd085984a0 sp 0x7ffd085983a0 T0) ## 0 8x444db8 in AG3Codec::decodeDt5sldframe(unsigned char*, unsigned char*, unsigned char*, unsigned char*, unsigned char*, unsigned char*, int8) /src/build/../tsMuxer/aG3Codec.cpp:428:34
0 8x76idf in SimplePacketizerReader::checkStream(unsigned char*, int8) /src/build/../tsMuxer/aG3Codec.cpp:428:34
0 8x76idf in SimplePacketizerReader::checkStream(unsigned char*, int, AbstractStreamReader::ContainerType, int, int) /src/build/../tsMuxer/mc1aDemuxer::detectTrackReader(unsigned char*, int, AbstractStreamReader::ContainerType, int, int) /src/build/../tsMuxer/mc1aDemuxer.cpp:755:28
0 8x6c7295 in METADemuxer::detectTreamReader(BufferedReaderManager%, std::_cxx11::basic_string
char*, tsd::allocator
char*, std::allocator
char*, std::allocator
/*src/build/../tsMuxer/mc1aDemuxer.cpp:684:35 #5 0x5df87e in detectStreamReader(char const*, MPLSParser*, bool) /src/build/../tsMuxer/main.cpp:120:34 #6 0x5efd05 in main /src/build/../tsMuxer/main.cpp:698:17 #7 0x7f2c99a1a564 in __libc_start_main csu/../csu/libc-start.c:332:16 #8 0x2ebded in _start (/home/Fuzzer_Instance_29/txmux/tsMuxer/bin/tsMuxeR+0x2ebded) AddressSanitizer can not provide additional info.

SUMMARY: AddressSanitizer: FPE /src/build/../tsMuxer/ac3Codec.cpp:377:65 in AC3Codec::decodeDtsHdFrame(unsigned char*, unsigned char*) ==2890753==ABORTING

[bug] Division by 0 #421

Merged
 Me

Period the title Denial of Service in AC3Codec...decodeDtsHdFrame Divide-by-zero in AC3Codec.:decodeDtsHdFrame on May 24, 2021

xavery pushed a commit that referenced this issue on Jun 9, 2021

† [bug] Division by 0 (#421) ...

✓ 9070a99

maxery closed this as completed on Jun 9, 2021

Assignees

No one assigned

Labels bug

Projects

None vet

Milestone

No milestone

Development

No branches or pull requests

3 participants



