

New issue

[Jump to bottom](#)

Segmentation fault caused by buffer overflow using mp4box in svc_parse_slice, av_parsers.c:5788 #1900

 Closed

 3 tasks done

Shadowblad3 opened this issue on Aug 27, 2021 · 0 comments

Shadowblad3 commented on Aug 27, 2021 • edited

- Hi, there.

```
5784 pps_id = gf_bs_read_ue_log(bs, "pps_id");
5785 if (pps_id > 255)
5786     return -1; // unknown data is stored into the out of bound memory
5787 si->pps = &avc->pps[pps_id];
5788 si->pps->id = pps_id;
```

Here is my environment, compiler info and gpac version:

To reproduce, run

```
./MP4Box -info poc
```

POC:
[poc.zip](#)
(unzip first)

Program output:

Here is the trace reported by gdb:

```

Stopped reason: SIGSEGV
gef ▶ bt
#0 0x0000000000bccc05 in svc_parse_slice (si=0x7fffffff5020, avc=0x24ae050, bs=0x2491de0) at /mnt/data/playground/gpac/src/media_tools/av_parsers.c:5788
#1 gf_av_parse_nalu (bs=0x2491de0, avc=0x24ae050) at /mnt/data/playground/gpac/src/media_tools/av_parsers.c:6062
#2 0x000000000144109d in naludump_parse_nal_avc (is_islice<synthetic pointer>, is_slice<synthetic pointer>, skip_nal<synthetic pointer>, nal_type=0x14, size=0x2c, data=0x24b84a1
"trak", ctx=0x24ada70) at /mnt/data/playground/gpac/src/filters/reframe_nalu.c:2348
#3 naludm_process (filter=0x24a0b00) at /mnt/data/playground/gpac/src/filters/reframe_nalu.c:2874
#4 0x0000000000f4dc18 in gf_filter_process_task (task=0x248e770) at /mnt/data/playground/gpac/src/filter_core/filter.c:2441
#5 0x0000000000f7b989 in gf_fs_thread_proc (sess_thread=sess_thread@entry=0x248c2b0) at /mnt/data/playground/gpac/src/filter_core/filter_session.c:1640
#6 0x0000000000f93558 in gf_fs_run (fssess=fssess@entry=0x248c220) at /mnt/data/playground/gpac/src/filter_core/filter_session.c:1877
#7 0x0000000000c1804b in gf_media_import (importer=importer@entry=0x7fffffff5b0) at /mnt/data/playground/gpac/src/media_tools/media_import.c:1178
#8 0x0000000000a97345 in convert_file_info (inName=0x7fffffff159 "tmp", trackID=0x0) at /mnt/data/playground/gpac/applications/mp4box/fileimport.c:128
#9 0x0000000000456aa1 in mp4boxMain (argc=optimized out, argv=optimized out) at /mnt/data/playground/gpac/applications/mp4box/main.c:5925
#10 0x0000000001f06bb6 in generic_start_main ()
#11 0x0000000001f071a5 in __libc_start_main ()
#12 0x0000000000041c49 in start ()

```

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

1 participant

