
Subject: Re: Problem with MemorySanitizer
Posted by [jjacksonRIAB](#) on Fri, 02 Apr 2021 15:16:41 GMT
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```
#include <Core/Core.h>
#include <portaudio.h>

using namespace Upp;

void test() {
    Pa_Initialize();
}

INITBLOCK {
    test();
}

int main(int argc, const char *argv[]) {
    return 0;
}
```

Clang, linux.

```
Uninitialized bytes in __interceptor_strcmp at offset 8 inside [0x701000002f0, 9)
==5039==WARNING: MemorySanitizer: use-of-uninitialized-value
#0 0x7fe8e59f8fea (/usr/lib/x86_64-linux-gnu/libasound.so.2+0x2dfea)
#1 0x7fe8e59f9e65 (/usr/lib/x86_64-linux-gnu/libasound.so.2+0x2ee65)
#2 0x7fe8e59fa3fe (/usr/lib/x86_64-linux-gnu/libasound.so.2+0x2f3fe)
#3 0x7fe8e59fd77e in snd_config_update_r (/usr/lib/x86_64-linux-gnu/libasound.so.2+0x3277e)
#4 0x7fe8e59fde0d in snd_config_update_ref
(/usr/lib/x86_64-linux-gnu/libasound.so.2+0x32e0d)
#5 0x7fe8e5a088b9 in snd_ctl_open (/usr/lib/x86_64-linux-gnu/libasound.so.2+0x3d8b9)
#6 0x7fe8e6016737 (/usr/lib/x86_64-linux-gnu/libportaudio.so.2+0x11737)
#7 0x7fe8e601a33c in PaAlsa_Initialize (/usr/lib/x86_64-linux-gnu/libportaudio.so.2+0x1533c)
#8 0x7fe8e600d10f in Pa_Initialize (/usr/lib/x86_64-linux-gnu/libportaudio.so.2+0x810f)
#9 0x4a10f6 in test() /mnt/ssd-b/MyApps/inittest/inittest.cpp:7:2
#10 0x4a1108 in s__s10_fn() /mnt/ssd-b/MyApps/inittest/inittest.cpp:11:2
#11 0x4a1259 in Upp::Callinit::Callinit(void (*)(), char const*, int)
/home/borntactical/upp.src/uppsrc/Core/Defs.h:86:83
#12 0x422914 in __cxx_global_var_init /mnt/ssd-b/MyApps/inittest/inittest.cpp:10:1
#13 0x422928 in __GLOBAL__sub_I_inittest.cpp /mnt/ssd-b/MyApps/inittest/inittest.cpp
#14 0x90de0c in __libc_csu_init
(/home/borntactical/out/MyApps/CLANGsanitize.Debug.Debug_Full.Shared.Usemalloc/inittest+0x
90de0c)
#15 0x7fe8e5aed03f in __libc_start_main
```

/build/glibc-eX1tMB/glibc-2.31/csu/./csu/libc-start.c:264:6

#16 0x42601d in _start

(/home/borntactical/out/MyApps/CLANGsanitize.Debug.Debug_Full.Shared.Usemalloc/innittest+0x42601d)

SUMMARY: MemorySanitizer: use-of-uninitialized-value

(/usr/lib/x86_64-linux-gnu/libasound.so.2+0x2dfea)

Exiting

<--- Finished, press [ENTER] to close the window --->

I brought it up because it makes me wonder if an INITBLOCK is causing that complaint too
