

Crash Detail

```
==109951==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x60200000001c
at pc 0x0000004f680f bp 0x7ffde7515f90 sp 0x7ffde7515f88
READ of size 1 at 0x60200000001c thread T0
   #0 0x4f680e in png read header
/home/bupt/Desktop/swftools/src/png2swf.c:184:10
   #1 0x4fbbf8 in CheckInputFile /home/bupt/Desktop/swftools/src/png2swf.c:583:9
   #2 0x4fca4e in args_callback_command
/home/bupt/Desktop/swftools/src/png2swf.c:754:9
   #3 0x4fcfd4 in processargs
/home/bupt/Desktop/swftools/src/./../lib/args.h:89:16
   #4 0x4fcfd4 in main /home/bupt/Desktop/swftools/src/png2swf.c:802:5
   #5 0x7fc97197cc86 in __libc_start_main /build/glibc-CVJwZb/glibc-
2.27/csu/../csu/libc-start.c:310
   #6 0x41ce29 in start
(/home/bupt/Desktop/swftools/build/bin/png2swf+0x41ce29)
0x60200000001c is located 0 bytes to the right of 12-byte region
[0x60200000010,0x60200000001c)
allocated by thread T0 here:
   #0 0x4af3f0 in malloc /home/bupt/Desktop/tools/llvm-
12.0.1/llvm/projects/compiler-rt/lib/asan/asan_malloc_linux.cpp:145
   #1 0x4f579b in png_read_chunk
/home/bupt/Desktop/swftools/src/png2swf.c:127:18
   #2 0x4f5cc6 in png_read_header
/home/bupt/Desktop/swftools/src/png2swf.c:170:11
   #3 0x4fbbf8 in CheckInputFile /home/bupt/Desktop/swftools/src/png2swf.c:583:9
   #4 0x4fca4e in args_callback_command
/home/bupt/Desktop/swftools/src/png2swf.c:754:9
   #5 0x4fcfd4 in processargs
/home/bupt/Desktop/swftools/src/./../lib/args.h:89:16
   #6 0x4fcfd4 in main /home/bupt/Desktop/swftools/src/png2swf.c:802:5
   #7 0x7fc97197cc86 in __libc_start_main /build/glibc-CVJwZb/glibc-
2.27/csu/../csu/libc-start.c:310
SUMMARY: AddressSanitizer: heap-buffer-overflow
/home/bupt/Desktop/swftools/src/png2swf.c:184:10 in png read header
Shadow bytes around the buggy address:
 =>0x0c047fff8000: fa fa 00[04]fa fa fa fa fa fa fa fa fa fa fa
```

```
Shadow byte legend (one shadow byte represents 8 application bytes):
 Addressable:
 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:
 Intra object redzone:
                     bb
 ASan internal:
                     fe
 Left alloca redzone:
                     ca
 Right alloca redzone:
                     cb
 Shadow gap:
                     СС
==109951==ABORTING
```

Crash summary

SUMMARY: AddressSanitizer: heap-buffer-overflow /home/bupt/Desktop/swftools/src/png2swf.c:184:10 in png_read_header