New issue

Jump to bottom

A heap buffer overflow in appinfo_private at decode.c:2993 #252

⊙ Closed seviezhou opened this issue on Jul 31, 2020 · 0 comments

 Assignees
 ●

 Labels
 bug
 fuzzing

 Milestone
 中 0.11

seviezhou commented on Jul 31, 2020

System info:

Ubuntu X64, gcc (Ubuntu 5.5.0-12ubuntu1), dwg2dxf (latest master aee0ea)

Reading DWG file ./heap-buffer-overflow-appinfo_private-decode-2993

Command line

./programs/dwg2dxf -b -m ./heap-buffer-overflow-appinfo_private-decode-2993 -o /dev/null

AddressSanitizer output

 $==50338==ERROR: AddressSanitizer: heap-buffer-overflow on address \\ 0x60200000c436 at pc \\ 0x7f19fcaa3676 bp \\ 0x7ffc0845d750 sp \\ 0x7ffc0845d75$ #0 0x7f19fcaa3675 in __interceptor_memcmp (/usr/lib/x86_64-linux-gnu/libasan.so.2+0x77675) #1 0x56136d532338 in appinfo_private /home/seviezhou/libredwg/src/decode.c:2993 #2 0x56136d532338 in read_2004_section_appinfo /home/seviezhou/libredwg/src/decode.c:3023
#3 0x56136d532338 in decode_R2004 /home/seviezhou/libredwg/src/decode.c:3675 #4 0x56136d53e3db in dwg decode /home/seviezhou/libredwg/src/decode.c:242 #5 0x56136d4391fc in dwg_read_file /home/seviezhou/libredwg/src/dwg.c:251 #6 0x56136d436594 in main /home/seviezhou/libredwg/programs/dwg2dxf.c:258 #7 0x7f19fc2beb96 in __libc_start_main (/lib/x86_64-linux-gnu/libc.so.6+0x21b96) #8 0x56136d437689 in start (/home/seviezhou/libredwg/programs/dwg2dxf+0xa4b689) 0x60200000c436 is located 0 bytes to the right of 6-byte region [0x60200000c430,0x60200000c436) allocated by thread T0 here:
#0 0x7f19fcac4612 in malloc (/usr/lib/x86_64-linux-gnu/libasan.so.2+0x98612) #1 0x56136d47a234 in bit_read_TU16 /home/seviezhou/libredwg/src/bits.c:1878 SUMMARY: AddressSanitizer: heap-buffer-overflow ??:0 __interceptor_memcmp Shadow bytes around the buggy address: =>0x0c047fff9880: fa fa fa fa fa fa fa[06]fa fa fa 04 fa fa fa 00 fa 0x0c047fff9890: fa fa 00 fa fa fa 00 fa fa fa 04 fa fa fa 00 fa 0x0c047fff98a0: fa fa 04 fa fa fa 00 fa fa fa 00 fa fa fa 00 fa 0x0c047fff98b0: fa fa 02 fa fa fa 00 fa fa fa 00 fa fa fa 60 0f 0x0c047fff98c0: fa fa 00 fa fa fa 00 06 fa fa 00 fa fa fa 00 fa 0x0c047fff98d0: fa fa 00 fa fa fa 00 fa fa fa 00 00 fa fa 60 02 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 Heap right redzone: Freed heap region: Stack left redzone: Stack mid redzone: Stack right redzone: Stack partial redzone: Stack after return: Stack use after scope: Global redzone: Global init order: Poisoned by user: Container overflow: Array cookie: Intra object redzone: ASan internal:

POC

==50338==ABORTING

heap-buffer-overflow-appinfo_private-decode-2993.zip

A murban self-assigned this on Jul 31, 2020

rurban added bug fuzzing labels on Jul 31, 2020

