New issue

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Segmentation fault in function getString, decompile.c:380 #202

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Open 5hadowblad3 opened this issue on Aug 24, 2020 · 1 comment
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5hadowblad3 commented on Aug 24, 2020
Hi. there.
There is a segmentation fault in the newest master branch 04aee52
Here is the reproducing command:
  swftophp poc
seg-decompile380.zip
Here is the reproduce trace reported by ASAN:
  ==187067==ERROR: AddressSanitizer: SEGV on unknown address 0x000000000000 (pc 0x00000041d8dc bp 0x0fffd003f178 sp 0x7ffe801f8bb0 T0)
#0 0x41d8db in getString ../../util/decompile.c:380
       #1 0x424764 in decompilePUSHPARAM ...../util/decompile.c:878 #2 0x42d225 in decompileSTARTDRAG ../../util/decompile.c:3054
       #3 0x42d225 in decompileAction ../../util/decompile.c:3433 #4 0x44e234 in decompileActions ../../util/decompile.c:3535
       #5 0x44e234 in decompile5Action ../../util/decompile.c:3558
#6 0x4114d9 in outputSWF_INITACTION ../../util/outputscript.c:1860
#7 0x402836 in readMovie ../../util/main.c:281
        #8 0x402836 in main ../../util/main.c:354
       #9 0x7fe9f9c4482f in __libc_start_main (/lib/x86_64-linux-gnu/libc.so.6+0x2082f)
#10 0x403b38 in _start (/mnt/data/playground/libming/build/util/swftophp+0x403b38)
  AddressSanitizer can not provide additional info.

SUMMARY: AddressSanitizer: SEGV ../../util/decompile.c:380 getString
   ==187067==ABORTING
                 case PUSH_CONSTANT: /* CONSTANT8 */
                         if (act->p.Constant8 > poolcounter)
                                         SWF_warn("WARNING: retrieving constants not present in the pool.\n");
                         t=malloc(strlenext(pool<mark>[act->p.Constant8]]+3);    /* 2 "'"s and a NULL */</mark>
                        strcpy(t,"'");
strcatext(t,pool[act->p.Constant8]);
strcat(t,"'");
                         return t;
                 case PUSH_CONSTANT16: /* CONSTANT16 */
```

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Author
5hadowblad3 commented on Aug 24, 2020
another related traces:
  ==79447==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x60300000eeab at pc 0x00000041fa80 bp 0x7ffc68aab490 sp 0x7ffc68aab480
 WRITE of size 1 at 0x60300000eeab thread T0 #0 0x41fa7f in strcpyext ../../util/decompile.c:259
     #1 0x41fa7f in getName ../../util/decompile.c:435 #2 0x4304b8 in decompileREMOVECLIP ../../util/decompile.c:3108
     #3 0x4304b8 in decompileAction ../../util/decompile.c:3497 #4 0x44e234 in decompileActions ../../util/decompile.c:3535
      #5 0x44e234 in decompile5Action ../../util/decompile.c:3558
      #6 0x4114d9 in outputSWF_INITACTION ../../util/outputscript.c:1860
     #7 0x402836 in readMovie ../../util/main.c:281 #8 0x402836 in main ../../util/main.c:354
     #9 0x7fcebcc0482f in __libc_start_main (/lib/x86_64-linux-gnu/libc.so.6+0x2082f)
#10 0x403b38 in _start (/mnt/data/playground/libming/build/util/swftophp+0x403b38)
  0x60300000eeab is located 0 bytes to the right of 27-byte region [0x60300000ee90,0x60300000eeab) allocated by thread T0 here:
      #0 0x7fcebd569662 in malloc (/usr/lib/x86_64-linux-gnu/libasan.so.2+0x98662)
      #1 0x41f3d0 in getName ../../util/decompile.c:434
  SUMMARY: AddressSanitizer: heap-buffer-overflow ../../util/decompile.c:259 strcpyext
  Shadow bytes around the buggy address:
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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: fb
Freed heap region: fd
Stack left redzone: f1
Stack mid redzone: f2
Stack right redzone: f3
Stack apartial redzone: f3
Stack partial redzone: f4
Stack after return: f5
Stack use after scope: f8
Global redzone: f9
Global init order: f6
Poisoned by user: f7
Container overflow: ac
Intra object redzone: bb
ASan internal: fe
==79447==ABORTING
```

Ç 宗 cxlzff mentioned this issue on Jun 26, 2021

stack-overflow in parseSWF_ACTIONRECORD(util/parser.c:1166) #229



Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

1 participant

