

```
heap-buffer-overflow on address 0x60300000e974 at pc 0x00000008cf5d0 bp 0x7ffe290615d0 sp 0x7ffe290615c
     #0 0x8cfScf in fxCheckArrowFunction /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:3562
#1 0x90851d in fxCallExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1924
#2 0x90dd47 in fxPostfixExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1908
#3 0x90dd47 in fxPrefixExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1903
#4 0x90e60d in fxExponentiationExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1842
#5 0x90fc1d in fxMultiplicativeExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1826
#6 0x91870d in fxMultiplicativeExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1826
      #6 0x9102bd in fxAdditiveExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1813
#7 0x91060d in fxShiftExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1800
      #8 0x91099d in fxRelationalExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1785
#9 0x910f7d in fxEqualExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1772
      #10 0x9112d4 in fxBitAndExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1760
      #11 0x9112d4 in fxBitXorExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1748
#12 0x911f95 in fxBitOrExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1736
      #13 0x911f95 in fxAndExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1736
#14 0x911f95 in fxAndExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1712
#15 0x8d7e6b in fxCoalesceExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1700
      #16 0x8d7e6b in fxConditionalExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1682
#17 0x8d7e6b in fxAssignmentExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1667
#18 0x8f7294 in fxCommaExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1646
      #19 0x8fff7f in fxStatement /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1276
#20 0x900e5f in fxBody /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1100
#21 0x9015e2 in fxFunctionExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:2609
      #22 0x8ff9cb in fxStatement /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1196
#23 0x91c4f3 in fxStatements /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1127
#24 0x91c7ea in fxBlock /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1117
      #25 0x91c8b1 in fxTryStatement /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1554
#26 0x8ffba7 in fxStatement /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1229
      #27 0x9009a3 in fxBody /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1082
      #28 0x9015e2 in fxFunctionExpression /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:2609 #29 0x8ff9cb in fxStatement /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1196
      #30 0x9009a3 in fxBody /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1082
#31 0x9264a8 in fxProgram /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:1068
#32 0x92bedd in fxParserTree /home/keven/Fuzzing/moddable/xs/sources/xsTree.c:168
      #33 0x78d98a in fxLoadScript /home/keven/Fuzzing/moddable/xs/sources/xsPlatforms.c:388
#34 0x42ac14 in fxRunProgramFile /home/keven/Fuzzing/moddable/xs/tools/xst.c:1365
      #35 0x42ac14 in main /home/keven/Fuzzing/moddable/xs/tools/xst.c:264
#36 0x7f6ae82b883f in __libc_start_main (/lib/x86_64-linux-gnu/libc.so.6+0x2083f)
#37 0x42caf8 in _start (/home/keven/Fuzzing/moddable/build/bin/lin/debug/xst+0x42caf8)
             999e974 is located 4 bytes to the right of 32-byte region [0x60300000e950.0x60300000e970]
      #0 0x7f6ae8c20602 in malloc (/usr/lib/x86_64-linux-gnu/libasan.so.2+0x98602)
      #1 0x897eff in fxNewParserChunk /home/keven/Fuzzing/moddable/xs/sources/xsScript.c:126
SUMMARY: AddressSanitizer: heap-buffer-overflow /home/keven/Fuzzing/moddable/xs/sources/xsSyntaxical.c:3562 fxCheckArrowFunction
Shadow bytes around the buggy address:
  Shadow byte legend (one shadow byte represents 8 application bytes):
   Addressable:
  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:
                                                bb
   ASan internal:
                                                 fe
   54646==ABORTING
```

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© phoddie added confirmed question cannot reproduce and removed question cannot reproduce labels on Aug 31, 2020
```

```
phoddie commented on Aug 31, 2020

The provided script may be reduced to the following:

function v4 = ()(v6, v7) {
}
```

kvenux commented on Sep 1, 2020 (Author)

```
function v4 = ()(v6, v7) {
  Great. I have checked. This test case can be trimmed in this way.
 G mkellner pushed a commit that referenced this issue on Sep 3, 2020
                                                                                                                                                                                    df143cb
 G mkellner pushed a commit that referenced this issue on Sep 3, 2020
         XS: #432 sanitized
                                                                                                                                                                                    9184666
 phoddie added the fixed - please verify label on Sep 3, 2020
      (iii) kvenux closed this as completed on Sep 4, 2020
No one assigned
confirmed fixed - please verify
Projects
None yet
Milestone
Development
No branches or pull requests
2 participants
```