C



REDO TASK DELETE

LAST TESTED REVISION

35

36

37

38 39

44

45

3696)

```
OVERVIEW
     Crash State: check_bad_address
                 check_for_bogus_wildcard
                 FuzzCheckForBogusWildcard
     Crash Type: Heap-buffer-overflow WRITE 1
                                                                Created: Mon, Nov 15, 2021, 4:29 PM
                                                                                                                                 Security: YES (High) 🧪
   Crash Address: 0x607000000d8c
                                                                                                                      Reliably Reproduces: YES (x)
                                                                Sanitizer: address (ASAN)
           Issue: None
                                                                Platform: linux
  Fuzzing Engine: libFuzzer
                                                             Fuzz Target: fuzz_rfc1035
                                                                                                                                Job Type: dnsmasq_libfuzzer_asan
          Project: test-project
           Fixed: NO
Minimized Testcase: (2 KB)
                              Unminimized Testcase: (2 KB) Re-upload Testcase: (1)
```

REGRESSION REVISION RANGE

```
1:1 (No component revisions found!)
                                                                         NA
CRASH STACKTRACE C
--- LAST TESTED STACKTRACE (99 LINES) ------
 1 [Environment] ASAN_OPTIONS=exitcode=77
 2 +-----Release Build Stacktrace-----
 3 Command: /clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035 -rss_limit_mb=2560 -timeout=60 -runs=100 /cl
   usterfuzz/run_bot/clusterfuzz/bot/inputs/fuzzer-testcases/crash-9a5aad5af4ead3165becefc79f0958ad4b70eebd
 4 Time ran: 0.02106952667236328
 6 INFO: Running with entropic power schedule (0xFF, 100).
 7 INFO: Seed: 4165268010
 8 INFO: Loaded 1 modules (13334 inline 8-bit counters): 13334 [0x72fa50, 0x732e66),
 9 INFO: Loaded 1 PC tables (13334 PCs): 13334 [0x69b578,0x6cf6d8),
10 /clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035: Running 1 inputs 100 time(s) each.
11 Running: /clusterfuzz/run_bot/clusterfuzz/bot/inputs/fuzzer-testcases/crash-9a5aad5af4ead3165becefc79f0958ad4b70eebd
13 ==168186==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x607000000d8c at pc 0x00000005f3697 bp 0x7ffedf3afcd0 sp 0x7ffedf3afcc8
14 WRITE of size 1 at 0x607000000d8c thread T0
15
       #0 0x5f3696 in extract_name /src/dnsmasq/src/rfc1035.c:106:11
       #1 0x5f3696 in check_bad_address /src/dnsmasq/src/rfc1035.c:1151:20
16
17
       #2 0x5f2330 in check_for_bogus_wildcard /src/dnsmasq/src/rfc1035.c:1209:7
18
       #3 0x561341 in FuzzCheckForBogusWildcard /src/fuzz_rfc1035.c:204:5
19
       #4 0x5619b8 in LLVMFuzzerTestOneInput /src/fuzz_rfc1035.c:258:7
20
       #5 0x456e13 in fuzzer::Fuzzer::ExecuteCallback(unsigned char const*, unsigned long) cxa_noexception.cpp:0
21
       #6 0x4426c2 in fuzzer::RunOneTest(fuzzer::Fuzzer*, char const*, unsigned long) /src/llvm-project/compiler-rt/lib/fuzzer/FuzzerDriver.cpp:324:6
       #7 0x448175 in fuzzer::FuzzerDriver(int*, char***, int (*)(unsigned char const*, unsigned long)) cxa_noexception.cpp:0
22
23
       #8 0x470e72 in main /src/llvm-project/compiler-rt/lib/fuzzer/FuzzerMain.cpp:20:10
24
       #9 0x7f5bd1a760b2 in __libc_start_main
25
       #10 0x41f95d in _start
26
27 0x607000000d8c is located 0 bytes to the right of 76-byte region [0x607000000d40,0x607000000d8c)
28 allocated by thread TO here:
29
       #0 0x524f7d in malloc /src/llvm-project/compiler-rt/lib/asan/asan_malloc_linux.cpp:129:3
       #1 0x56120a in get_null_terminated /src/fuzz_header.h:47:17
30
31
       #2 0x56120a in gb_get_null_terminated /src/fuzz_header.h:74:16
       #3 0x56120a in FuzzCheckForBogusWildcard /src/fuzz_rfc1035.c:190:17
33
       #4 0x5619b8 in LLVMFuzzerTestOneInput /src/fuzz_rfc1035.c:258:7
34
       #5 0x456e13 in fuzzer::Fuzzer::ExecuteCallback(unsigned char const*, unsigned long) cxa_noexception.cpp:0
```

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#6 0x4426c2 in fuzzer::RunOneTest(fuzzer::Fuzzer*, char const*, unsigned long) /src/llvm-project/compiler-rt/lib/fuzzer/FuzzerDriver.cpp:324:6

40 SUMMARY: AddressSanitizer: heap-buffer-overflow (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x5f

#7 0x448175 in fuzzer::FuzzerDriver(int*, char***, int (*)(unsigned char const*, unsigned long)) cxa_noexception.cpp:0

#8 0x470e72 in main /src/llvm-project/compiler-rt/lib/fuzzer/FuzzerMain.cpp:20:10

#9 0x7f5bd1a760b2 in __libc_start_main

0x0c0e7fff8160: fa fa 00 00 00 00 00 00 00 00 04 fa fa fa 0x0c0e7fff8170: 00 00 00 00 00 00 00 00 04 fa fa fa fa 00 00

0x0c0e7fff8180: 00 00 00 00 00 00 04 fa fa fa fa 00 00 00 00

0x0c0e7fff8190: 00 00 00 00 04 fa fa fa fa 00 00 00 00 00 00 0x0c0e7fff81a0: 00 00 00 04 fa fa fa fa fa 00 00 00 00 00 00 00

41 Shadow bytes around the buggy address:

```
0x0c0e7fff81c0: fa fa
48
49
    0x0c0e7fff81d0: fa fa
50
    51
    52
53 Shadow byte legend (one shadow byte represents 8 application bytes):
54
    Addressable:
                         00
    Partially addressable: 01 02 03 04 05 06 07
55
56
    Heap left redzone:
57
    Freed heap region:
                          fd
58
    Stack left redzone:
                          f1
59
    Stack mid redzone:
                          f2
                          f3
60
    Stack right redzone:
61
    Stack after return:
                          f5
62
    Stack use after scope:
                          f8
63
    Global redzone:
                           f9
64
    Global init order:
                          f6
65
    Poisoned by user:
                           f7
    Container overflow:
                          fc
67
    Array cookie:
                          ac
68
    Intra object redzone:
                          bb
69
    ASan internal:
                          fe
70
    Left alloca redzone:
                          ca
71
    Right alloca redzone:
72 ==168186==ABORTING
73
74
75 +----+
76
77 ==168186==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x607000000d8c at pc 0x00000005f3697 bp 0x7ffedf3afcd0 sp 0x7ffedf3afcc8
78 WRITE of size 1 at 0x607000000d8c thread T0
79
      #0 0x5f3696 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x5f3696)
80
      #1 0x5f2330 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x5f2330)
      #2 0x561341 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x561341)
81
82
      #3 0x5619b8 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x5619b8)
83
      #4 0x456e13 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x456e13)
84
      #5 0x4426c2 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x4426c2)
85
      #6 0x448175 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x448175)
      #7 0x470e72 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x470e72)
86
      #8 0x7f5bd1a760b2 (/lib/x86_64-linux-gnu/libc.so.6+0x270b2)
87
88
      #9 0x41f95d (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x41f95d)
89
90 0x607000000d8c is located 0 bytes to the right of 76-byte region [0x607000000d40,0x607000000d8c)
91 allocated by thread T0 here:
92
      #0 0x524f7d (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x524f7d)
93
      #1 0x56120a (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x56120a)
      #2 0x5619b8 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x5619b8)
94
95
      #3 0x456e13 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x456e13)
96
      #4 0x4426c2 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x4426c2)
97
      #5 0x448175 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x448175)
98
      #6 0x470e72 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x470e72)
99
      #7 0x7f5bd1a760b2 (/lib/x86_64-linux-gnu/libc.so.6+0x270b2)
1 [Environment] ASAN OPTIONS=exitcode=77
 3 Command: /clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035 -rss_limit_mb=2560 -timeout=60 -runs=100 /cl
   usterfuzz/run_bot/clusterfuzz/bot/inputs/fuzzer-testcases/9284bd6b3e1c4b888acb7429cca0cfa7f4ead3165becefc79f0958ad4b70eebd
 4 Time ran: 0.01670050621032715
 6 INFO: Running with entropic power schedule (0xFF, 100).
 7 INFO: Seed: 4286110883
 8 INFO: Loaded 1 modules (13334 inline 8-bit counters): 13334 [0x72fa50, 0x732e66),
 9 INFO: Loaded 1 PC tables (13334 PCs): 13334 [0x69b578,0x6cf6d8),
10 /clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035: Running 1 inputs 100 time(s) each.
11 \ \text{Running: /clusterfuzz/run\_bot/clusterfuzz/bot/inputs/fuzzer-test cases/9284bd6b3e1c4b888acb7429cca0cfa7f4ead3165becefc79f0958ad4b70eebd}
13 ==2152==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x607000000d8c at pc 0x00000005f3697 bp 0x7ffdf0b55570 sp 0x7ffdf0b55568
14 WRITE of size 1 at 0x607000000d8c thread T0
      #0 0x5f3696 in extract name /src/dnsmasq/src/rfc1035.c:106:11
      #1 0x5f3696 in check_bad_address /src/dnsmasq/src/rfc1035.c:1151:20
16
17
      #2 0x5f2330 in check_for_bogus_wildcard /src/dnsmasq/src/rfc1035.c:1209:7
18
      #3 0x561341 in FuzzCheckForBogusWildcard /src/fuzz_rfc1035.c:204:5
      #4 0x5619b8 in LLVMFuzzerTestOneInput /src/fuzz_rfc1035.c:258:7
19
```

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```
54
    Addressable:
55
    Partially addressable: 01 02 03 04 05 06 07
56
    Heap left redzone:
                            fa
57
    Freed heap region:
                            fd
58
    Stack left redzone:
                            f1
59
    Stack mid redzone:
    Stack right redzone:
                           f3
61
    Stack after return:
                            f5
   Stack use after scope: f8
62
                            f9
63
    Global redzone:
                            f6
64
    Global init order:
65
    Poisoned by user:
                           f7
66
    Container overflow:
                            fc
67
    Array cookie:
68
    Intra object redzone:
    ASan internal:
70
    Left alloca redzone:
                            ca
71
   Right alloca redzone:
                            cb
72 ==2152==ABORTING
73
74
75 +-----+
76
77 ==2152==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x6070000000d8c at pc 0x00000005f3697 bp 0x7ffdf0b55570 sp 0x7ffdf0b55568
78 WRITE of size 1 at 0x607000000d8c thread T0
79
      #0 0x5f3696 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x5f3696)
80
      #1 0x5f2330 (/clusterfuzz/run bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x5f2330)
81
      #2 0x561341 (/clusterfuzz/run bot/clusterfuzz/bot/builds/dnsmasq libfuzzer asan/custom/dnsmasq/fuzz rfc1035+0x561341)
82
      #3 0x5619b8 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x5619b8)
      #4 0x456e13 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x456e13)
83
      #5 0x4426c2 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x4426c2)
84
85
      #6 0x448175 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x448175)
      #7 0x470e72 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x470e72)
86
87
      #8 0x7f4db9d210b2 (/lib/x86_64-linux-gnu/libc.so.6+0x270b2)
      #9 0x41f95d (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x41f95d)
88
89
90 0x607000000d8c is located 0 bytes to the right of 76-byte region [0x607000000d40,0x607000000d8c)
91 allocated by thread T0 here:
92
      #0 0x524f7d (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x524f7d)
```

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Heap-buffer-overflow WRITE 1 · check_bad_address

```
#1 0x56120a (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x56120a)
#2 0x5619b8 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x5619b8)
#3 0x456e13 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x456e13)
#4 0x4426c2 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x4426c2)
#5 0x448175 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x448175)
#6 0x470e72 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/dnsmasq_libfuzzer_asan/custom/dnsmasq/fuzz_rfc1035+0x470e72)
#7 0x7f4db9d210b2 (/lib/x86_64-linux-gnu/libc.so.6+0x270b2)
```

TESTCASE ANALYSIS ON OTHER JOBS

No reproducible variants found.

METADATA

[2021-11-15 08:29:11 UTC] comput6-20211115-16:27: Fuzz task : Fuzzer libFuzzer_fuzz_rfc1035 generated testcase crashed in 14 seconds (r1). [2021-11-15 08:31:25 UTC] comput13-20211115-16:27: Minimize task started.

 $[2021-11-15\ 08:57:26\ UTC]\ comput 13-20211115-16:27:\ Minimize\ task\ finished.\\ [2021-11-22\ 03:10:40\ UTC]\ comput 4-20211115-16:27:\ Progression\ task\ started.$

[2021-11-22 03:10:41 UTC] comput4-20211115-16:27: Progression task finished: still crashes on latest custom build.

192.168.12.222:9000/testcase-detail/78