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SEGV njs_scope.h:86:10 in njs_scope_valid_value #529

✓ Closed Q1IQ opened this issue on Jun 2 · 1 comment

Labels bug duplicate fuzzer

Q1IQ commented on Jun 2 • edited

Environment

```
OS      : Linux ubuntu 5.11.10 #1 SMP Sat Oct 30 23:40:08 CST 2021 x86_64 x86_64 x86_64 GNU/Linux
Commit  : c62a9fb92b102c90a66aa724cb9054183a33a68c
Version : 0.7.4
Build   :
        NJS_CFLAGS="$NJS_CFLAGS -fsanitize=address"
        NJS_CFLAGS="$NJS_CFLAGS -fno-omit-frame-pointer"
```

Proof of concept

```
function main() {
function a2(a3,a4) {
  try {
    var a5 = a2();
    var a6 = {};
    var a7 = [a6,a6,a6,1.0,a6];
    var a16 = a2();
    a2 = a5;
    var a18 = `
      var a20 = (256)();
      var a21 = \`
        var a23 = Object();
        var a24 = a20(...1894060106n,a23,a23,a7,Object,2152566096n);
        var a25 = [Object,2152566096n,a23];
      \`;
      var a26 = {"d":2152566096n};
      var a27 =
{"a":a21,"b":a26,"constructor":1894060106n,"e":a26,"toString":-4207569322n,... "c",...2152566096n,...a
```

```

        var a28 = a20(a21,a27,1894060106n,-4207569322n,2152566096n);
    `;
    var a30 = /. /m;
    var a36 = /t/i;
    var a39 = `
        throw 0n;
        var a40 = a36[(0n)](0n);
        var a41 = -4207569322n != -828352779n;
    `;
    var a43 = /dN\w/i;
    var a47 = Object();
    var a48 = `
        var a49 = [a47,a47,2152566096n,a30,a48,256,1894060106n,2152566096n,a30];
        var a51 = a49(0n);
        var a52 = a43["test"](0n);
        var a53 = -1410768346n != 1538778485n;
    `;
    } catch(a54) {
    } finally {
    }
}
var a56 = new Promise(a2);
}
main();

```

Stack dump

```

==3049569==ERROR: UndefinedBehaviorSanitizer: SEGV on unknown address 0x000000000000 (pc
0x000000435e70 bp 0x7ffc22356800 sp 0x7ffc22356620 T3049569)
==3049569==The signal is caused by a READ memory access.
==3049569==Hint: address points to the zero page.
#0 0x435e70 in njs_scope_valid_value /njs/src/njs_scope.h:86:10
#1 0x435e70 in njs_vmcode_function_copy /njs/src/njs_vmcode.c:1262:14
#2 0x435e70 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:741:23
#3 0x468070 in njs_function_lambda_call /njs/src/njs_function.c:693:11
#4 0x4364d7 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:799:23
#5 0x468070 in njs_function_lambda_call /njs/src/njs_function.c:693:11
#6 0x4364d7 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:799:23
#7 0x468070 in njs_function_lambda_call /njs/src/njs_function.c:693:11
#8 0x4364d7 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:799:23
#9 0x468070 in njs_function_lambda_call /njs/src/njs_function.c:693:11
#10 0x4364d7 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:799:23
#11 0x468070 in njs_function_lambda_call /njs/src/njs_function.c:693:11
#12 0x4364d7 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:799:23
#13 0x468070 in njs_function_lambda_call /njs/src/njs_function.c:693:11
#14 0x4364d7 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:799:23
#15 0x468070 in njs_function_lambda_call /njs/src/njs_function.c:693:11
#16 0x4364d7 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:799:23
#17 0x468070 in njs_function_lambda_call /njs/src/njs_function.c:693:11
#18 0x4364d7 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:799:23
#19 0x468070 in njs_function_lambda_call /njs/src/njs_function.c:693:11

```

[illegible]

[illegible]

[illegible]

[illegible]

```
#244 0x4364d7 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:799:23
#245 0x468070 in njs_function_lambda_call /njs/src/njs_function.c:693:11
#246 0x4364d7 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:799:23
#247 0x468070 in njs_function_lambda_call /njs/src/njs_function.c:693:11
#248 0x4364d7 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:799:23
#249 0x468070 in njs_function_lambda_call /njs/src/njs_function.c:693:11
#250 0x4364d7 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:799:23
#251 0x468070 in njs_function_lambda_call /njs/src/njs_function.c:693:11
#252 0x4364d7 in njs_vmcode_interpreter /njs/src/njs_vmcode.c:799:23
```

UndefinedBehaviorSanitizer can not provide additional info.

SUMMARY: UndefinedBehaviorSanitizer: SEGV /njs/src/njs_scope.h:86:10 in njs_scope_valid_value

Credit

Q1IQ(@Q1IQ)

xeioex commented on Jun 2

Contributor

Duplicate of [#470](#).



xeioex closed this as completed on Jun 2



xeioex added **bug** **duplicate** **fuzzer** labels on Jun 2

Assignees

No one assigned

Labels

bug **duplicate** **fuzzer**

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

no statements or pan requests

2 participants

