
Subject: Re: 2024rc3

Posted by [Novo](#) on Wed, 20 Nov 2024 19:42:59 GMT

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Latest src.

```
$ cat /etc/os-release
```

```
NAME="Alpine Linux"
```

```
ID=alpine
```

```
VERSION_ID=3.12.12
```

```
PRETTY_NAME="Alpine Linux v3.12"
```

```
HOME_URL="https://alpinelinux.org/"
```

```
BUG_REPORT_URL="https://bugs.alpinelinux.org/"
```

```
$ clang --version
```

```
Alpine clang version 10.0.0 (https://gitlab.alpinelinux.org/alpine/aports.git
```

```
7445adce501f8473efdb93b17b5eaf2f1445ed4c)
```

```
Target: x86_64-alpine-linux-musl
```

```
Thread model: posix
```

```
InstalledDir: /usr/bin
```

```
Application: CParser (.cache/upp.out/CLANG.Debug.Debug_Full.Shared/CParser)
```

```
$ ./CParser
```

```
Segmentation fault
```

```
$ gdb ./CParser
```

```
#0 0x00005555555f34c8 in std::atomic<bool>::load (this=<error reading variable: Cannot access memory at address 0x7ffff7feff0>,
```

```
    __m=<error reading variable: Cannot access memory at address 0x7ffff7fefec>)
```

```
    at /usr/bin/../lib/gcc/x86_64-alpine-linux-musl/9.3.0/../../../../include/c++/9.3.0/atomic:113
```

```
#1 0x000055555560fcbf in Upp::StaticPrimitive_<Upp::Mutex>::Get (this=0x555555779a80 <Upp::Heap::mutex>) at Mt.h:326
```

```
#2 0x00005555556476d8 in Upp::StaticMutex::Enter (this=0x555555779a80 <Upp::Heap::mutex>) at Mt.h:333
```

```
#3 0x000055555564e4f0 in Upp::EnterHeapMutex () at sheap.cpp:377
```

```
#4 0x000055555564f9a4 in Upp::CurrentHeap::CurrentHeap (this=0x7ffff7ff0f8) at sheap.cpp:421
```

```
#5 0x000055555564e7a9 in Upp::MemoryAllocSz_ (sz=@0x7ffff7ff190: 60) at sheap.cpp:458
```

```
#6 0x00005555556534ad in Upp::MemoryAllocSz (size=@0x7ffff7ff190: 60) at heapdbg.cpp:142
```

```
#7 0x0000555555653572 in Upp::MemoryAlloc (size=60) at heapdbg.cpp:155
```

```
#8 0x0000555555652d39 in operator new (size=24) at heap.cpp:295
```

```
#9 0x00007ffff7e71440 in __cxa_thread_atexit () from /usr/lib/libstdc++.so.6
```

```
#10 0x000055555564e57b in Upp::MakeHeap () at sheap.cpp:403
```

```
#11 0x000055555564f9b0 in Upp::CurrentHeap::CurrentHeap (this=0x7ffff7ff288) at sheap.cpp:423
```

```
#12 0x000055555564e7a9 in Upp::MemoryAllocSz_ (sz=@0x7ffff7ff320: 60) at sheap.cpp:458
```

```
#13 0x00005555556534ad in Upp::MemoryAllocSz (size=@0x7ffff7ff320: 60) at heapdbg.cpp:142
```

```
#14 0x0000555555653572 in Upp::MemoryAlloc (size=60) at heapdbg.cpp:155
```

#15 0x0000555555652d39 in operator new (size=24) at heap.cpp:295
#16 0x00007ffff7e71440 in __cxa_thread_atexit () from /usr/lib/libstdc++.so.6
#17 0x000055555564e57b in Upp::MakeHeap () at sheap.cpp:403
#18 0x000055555564f9b0 in Upp::CurrentHeap::CurrentHeap (this=0x7ffff7ff418) at sheap.cpp:423
#19 0x000055555564e7a9 in Upp::MemoryAllocSz_ (sz=@0x7ffff7ff4b0: 60) at sheap.cpp:458
#20 0x00005555556534ad in Upp::MemoryAllocSz (size=@0x7ffff7ff4b0: 60) at heapdbg.cpp:142
#21 0x0000555555653572 in Upp::MemoryAlloc (size=60) at heapdbg.cpp:155
#22 0x0000555555652d39 in operator new (size=24) at heap.cpp:295
#23 0x00007ffff7e71440 in __cxa_thread_atexit () from /usr/lib/libstdc++.so.6
#24 0x000055555564e57b in Upp::MakeHeap () at sheap.cpp:403
#25 0x000055555564f9b0 in Upp::CurrentHeap::CurrentHeap (this=0x7ffff7ff5a8) at sheap.cpp:423
#26 0x000055555564e7a9 in Upp::MemoryAllocSz_ (sz=@0x7ffff7ff640: 60) at sheap.cpp:458
#27 0x00005555556534ad in Upp::MemoryAllocSz (size=@0x7ffff7ff640: 60) at heapdbg.cpp:142
#28 0x0000555555653572 in Upp::MemoryAlloc (size=60) at heapdbg.cpp:155
#29 0x0000555555652d39 in operator new (size=24) at heap.cpp:295
#30 0x00007ffff7e71440 in __cxa_thread_atexit () from /usr/lib/libstdc++.so.6
#31 0x000055555564e57b in Upp::MakeHeap () at sheap.cpp:403
#32 0x000055555564f9b0 in Upp::CurrentHeap::CurrentHeap (this=0x7ffff7ff738) at sheap.cpp:423
#33 0x000055555564e7a9 in Upp::MemoryAllocSz_ (sz=@0x7ffff7ff7d0: 60) at sheap.cpp:458
#34 0x00005555556534ad in Upp::MemoryAllocSz (size=@0x7ffff7ff7d0: 60) at heapdbg.cpp:142
#35 0x0000555555653572 in Upp::MemoryAlloc (size=60) at heapdbg.cpp:155
#36 0x0000555555652d39 in operator new (size=24) at heap.cpp:295
#37 0x00007ffff7e71440 in __cxa_thread_atexit () from /usr/lib/libstdc++.so.6
#38 0x000055555564e57b in Upp::MakeHeap () at sheap.cpp:403
#39 0x000055555564f9b0 in Upp::CurrentHeap::CurrentHeap (this=0x7ffff7ff8c8) at sheap.cpp:423
#40 0x000055555564e7a9 in Upp::MemoryAllocSz_ (sz=@0x7ffff7ff960: 60) at sheap.cpp:458
#41 0x00005555556534ad in Upp::MemoryAllocSz (size=@0x7ffff7ff960: 60) at heapdbg.cpp:142
#42 0x0000555555653572 in Upp::MemoryAlloc (size=60) at heapdbg.cpp:155
#43 0x0000555555652d39 in operator new (size=24) at heap.cpp:295
#44 0x00007ffff7e71440 in __cxa_thread_atexit () from /usr/lib/libstdc++.so.6

I understand that this is an old version of a compiler. But if I roll back Upp source code approximately four years back, then everything works just fine.