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Heap-buffer-overflow in pcf2bdf #4

✓ Closed

anishsujanani opened this issue on Jan 11 · 2 comments

```
anishsujanani commented on Jan 11 • edited •
Hello @ganaware, as discussed earlier:
I have compiled pcf2bdf with address sanitization and fuzz-tested inputs with AFL . The file attached causes a
memory access violation. The actual input file is stored within the zipped folder attached.
Input:
./pcf2bdf heap overflow read 40b
Output:
 gzip: heap_overflow_read_40b: unexpected end of file
 _____
 ==5565==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x602000000050 at pc
 0x0000004095b0 bp 0x7fffff5362b0 sp 0x7fffff5362a0
 READ of size 40 at 0x602000000050 thread T0
    #0 0x4095af in main /home/ec2-user/pcf2bdf_research/pcf2bdf.cc:852
    #1 0x7f7a5a1c6139 in __libc_start_main (/lib64/libc.so.6+0x21139)
    #2 0x409b49 in _start (/home/ec2-user/pcf2bdf_research/with_asan/pcf2bdf+0x409b49)
 0x602000000051 is located 0 bytes to the right of 1-byte region [0x6020000000050,0x6020000000051)
 allocated by thread T0 here:
    #0 0x7f7a5af01f41 in operator new[](unsigned long) (/lib64/libasan.so.4+0xd9f41)
    #1 0x4074a4 in main /home/ec2-user/pcf2bdf_research/pcf2bdf.cc:829
 SUMMARY: AddressSanitizer: heap-buffer-overflow /home/ec2-user/pcf2bdf_research/pcf2bdf.cc:852 in
 main
 Shadow bytes around the buggy address:
   =>0x0c047fff8000: fa fa 01 fa fa fa 01 fa fa fa[01]fa fa fa fa fa
```

Shadow byte legend (one shadow byte represents 8 application bytes): Addressable: Partially addressable: 01 02 03 04 05 06 07 Heap left redzone: fa Freed heap region: fd Stack left redzone: f1 Stack mid redzone: Stack right redzone: f3 Stack after return: f5 Stack use after scope: f8 Global redzone: f9 Global init order: f6 Poisoned by user: f7 Container overflow: fc Array cookie: ac Intra object redzone: bb ASan internal: Left alloca redzone: Right alloca redzone: ==5565==ABORTING heap_overflow_read_40b.zip Owner ganaware commented on Jan 11 This problem was fixed by aaf1680 . Thank you for the bug report. 🧖 ganaware closed this as completed on Jan 11 carnil commented on Feb 21 CVE-2022-23318 was assigned for this issue. Assignees No one assigned Labels None yet

Projects	
None yet	
Milestone	
No milestone	
Development	
No branches or pull requests	

3 participants





