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execve("./a.out", ["/a.out"], [/* 19 vars */]) = 0
brk(0) = 0x234b000
access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or
directory)
mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7ffa96267000
access("/etc/ld.so.preload", R_OK) = -1 ENOENT (No such file or
directory)

// Dynamic linker include
open("/etc/ld.so.cache", O_RDONLY|O_CLOEXEC) = 3

fstat(3, {st_mode=S_IFREG|0644, st_size=37168, ...}) = 0
mmap(NULL, 37168, PROT_READ, MAP_PRIVATE, 3, 0) = 0x7ffa9625d000
close(3) = 0
access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or
directory)

// Open the libc.so
open("/lib/x86_64-linux-gnu/libc.so.6", O_RDONLY|O_CLOEXEC) = 3

// Read 832 bytes from file descriptor 3 into bin
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>
\0\1\0\0\0\200\30\2\0\0\0\0\0"..., 832) = 832

fstat(3, {st_mode=S_IFREG|0755, st_size=1811128, ...}) = 0
mmap(NULL, 3925208, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) =
0x7ffa95c88000
mprotect(0x7ffa95e3d000, 2093056, PROT_NONE) = 0
mmap(0x7ffa9603c000, 24576, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x1b4000) = 0x7ffa9603c000
mmap(0x7ffa96042000, 17624, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP_ANONYMOUS, -1, 0) = 0x7ffa96042000

// Close file descriptor 3
close(3) = 0

mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7ffa9625c000
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7ffa9625b000
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7ffa9625a000
arch_prctl(ARCH_SET_FS, 0x7ffa9625b700) = 0
mprotect(0x7ffa9603c000, 16384, PROT_READ) = 0
mprotect(0x600000, 4096, PROT_READ) = 0
mprotect(0x7ffa96269000, 4096, PROT_READ) = 0

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munmap(0x7ffa9625d000, 37168)          = 0
brk(0)                                = 0x234b000
brk(0x236c000)                        = 0x236c000

// Open our text file for reading only
open("test.txt", O_RDONLY)            = 3

fstat(3, {st_mode=S_IFREG|0755, st_size=72, ...}) = 0
mmap(NULL, 16384, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7ffa96263000
read(3, "Now\nis the time\nfor all good\nmen"... , 16384) = 72
fstat(1, {st_mode=S_IFCHR|0620, st_rdev=makedev(136, 3), ...}) = 0
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7ffa96262000

// The following lines write text to the std out, these lines are from the
file
write(1, "Now\n", 4)                   = 4
write(1, "is the time\n", 12)          = 12
write(1, "for all good\n", 13)         = 13
write(1, "men to come\n", 12)          = 12
write(1, "to the aid of their\n", 20)  = 20
write(1, "university\n", 11)           = 11

// Close our test.txt file
read(3, "", 16384)                    = 0

exit_group(0)                          = ?

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