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execve("./a.out", ["./a.out"], [/* 20 vars */]) = 0
    application is run

brk(0)                                     = 0x1db6000
access("/etc/ld.so.nohwcap", F_OK)        = -1 ENOENT (No such file or
directory)
    attempt to access nohwcap

mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0)
= 0x7f48a6366000
    Memory set aside

access("/etc/ld.so.preload", R_OK)        = -1 ENOENT (No such file or
directory)
    attempt to access preload

open("/etc/ld.so.cache", O_RDONLY|O_CLOEXEC) = 3
    opening cache; file descriptor 3 is opened

fstat(3, {st_mode=S_IFREG|0644, st_size=40453, ...}) = 0
    info is gathered on file

mmap(NULL, 40453, PROT_READ, MAP_PRIVATE, 3, 0) = 0x7f48a635c000
    memory is set aside

close(3)
    file is closed

                                     = 0
access("/etc/ld.so.nohwcap", F_OK)        = -1 ENOENT (No such file or
directory)
open("/lib/x86_64-linux-gnu/libc.so.6", O_RDONLY|O_CLOEXEC) = 3
    new file is opened

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
    data is read from file

fstat(3, {st_mode=S_IFREG|0755, st_size=1811128, ...}) = 0
mmap(NULL, 3925176, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_DENYWRITE, 3, 0)
= 0x7f48a5d87000
    memory is set aside

mprotect(0x7f48a5f3c000, 2093056, PROT_NONE) = 0

mmap(0x7f48a613b000, 24576, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x1b4000) = 0x7f48a613b000
mmap(0x7f48a6141000, 17592, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x7f48a6141000
close(3)                                     = 0
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0)
= 0x7f48a635b000
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0)
= 0x7f48a635a000

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mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0)
= 0x7f48a6359000
arch_prctl(ARCH_SET_FS, 0x7f48a635a700) = 0
mprotect(0x7f48a613b000, 16384, PROT_READ) = 0
mprotect(0x600000, 4096, PROT_READ) = 0
mprotect(0x7f48a6368000, 4096, PROT_READ) = 0
munmap(0x7f48a635c000, 40453) = 0
    unmap allocated memory

brk(0) = 0x1db6000
brk(0x1dd7000) = 0x1dd7000
open("test.txt", O_RDONLY) = 3
    open file and assign it fd 3

fstat(3, {st_mode=S_IFREG|0644, st_size=73, ...}) = 0
mmap(NULL, 32768, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0)
= 0x7f48a635e000
read(3, "Now is the time for all good\r\nme"..., 32768) = 73
    read entire contents of file

fstat(1, {st_mode=S_IFCHR|0620, st_rdev=makedev(136, 1), ...}) = 0
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0)
= 0x7f48a635d000
write(1, "Now is the time for all good\r\n", 30) = 30
write(1, "men to come to the aid of their\r"..., 33) = 33
read(3, "", 32768) = 0
close(3) = 0
    close fd 3

munmap(0x7f48a635e000, 32768) = 0
write(1, "university", 10) = 10
exit_group(0) = ?

% time      seconds  usecs/call     calls   errors syscall
-----
68.76      0.000328      328         1         0   execve
12.16      0.000058         6        10         0   mmap
 5.03      0.000024         8         3         3   access
 4.19      0.000020         7         3         0   open
 3.56      0.000017         4         4         0   fstat
 2.31      0.000011         3         4         0   mprotect
 1.26      0.000006         2         3         0   close
 1.05      0.000005         2         3         0   read
 0.84      0.000004         1         3         0   brk
 0.84      0.000004         4         1         0   arch_prctl
 0.00      0.000000         0         3         0   write
 0.00      0.000000         0         2         0   munmap
-----
100.00     0.000477                                40         3 total

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