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Факультет информационных технологий и прикладной математики

Кафедра вычислительной математики и программирования

**Лабораторная работа №1 по курсу**

**«Операционные системы»**

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Оценка: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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## **Задание**

Цель работы — приобретение практических навыков диагностики работы программного обеспечения.

# **Strace**

**Strace** показывает все системные вызовы программы, которые она отправляет к системе во время выполнения, а также их параметры и результат выполнения. При необходимости можно подключиться к уже запущенному процессу.

Strace имеет следующие(и не только) ключи

* **-i** — выводить указатель на инструкцию во время выполнения системного вызова
* **-o** — выводить всю информацию о системных вызовах не в стандартный поток ошибок, а в файл
* **-r** — выводить временную метку для каждого системного вызова
* **-T** — выводить длительность выполнения каждого системного вызова
* **-b** — если указанный системный вызов обнаружен, трассировка прекращается
* **-l** — позволяет блокировать реакцию нажатия Ctrl+C и Ctrl+Z
* **-f** — отслеживать дочерние процессы и создаваемые потоки

execve(...) - запускает программу  
brk(...) - устанавливает конец сегмента данных в значение NULL  
access(...) - проверяет права доступа к файлу, возвращает -1 как код ошибки  
openat(...) - открывает файл, имеет в качестве возвращаемого значения файловый дескриптор  
fstat(...) - собирает информацию из файла  
**mmap(...)** - отображает файл на память  
mprotect(...) - контролирует доступ к памяти  
close(...) - закрывает файловый дескриптор  
read(...) - считывает из файлового дескриптора  
arch\_prctl(...) - устанавливает специфичное для архитектуры значение ядра  
**munmap(...)** - освобождает память, отведенную для отображения файла  
write(...) - пишет в консоль  
ftruncate(...) - увеличивает размер файла до n байтов  
clone(...) - создает новый процесс  
unlink(...) - удаляет файл  
lseek(...) - устанавливает смещение для позиционирования операций чтения/записи

**Лабораторная работа №2**

|  |
| --- |
| execve("./main", ["./main"], 0x7ffdeb114ff0 /\* 58 vars \*/) = 0 |
|  | brk(NULL) = 0x55fe005d5000 |
|  | arch\_prctl(0x3001 /\* ARCH\_??? \*/, 0x7ffdd97c2db0) = -1 EINVAL (Invalid argument) |
|  | access("/etc/ld.so.preload", R\_OK) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=60334, ...}) = 0 |
|  | mmap(NULL, 60334, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7ff7852e6000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libstdc++.so.6", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0`\341\t\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=1956992, ...}) = 0 |
|  | mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7ff7852e4000 |
|  | mmap(NULL, 1972224, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7ff785102000 |
|  | mprotect(0x7ff785198000, 1290240, PROT\_NONE) = 0 |
|  | mmap(0x7ff785198000, 987136, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x96000) = 0x7ff785198000 |
|  | mmap(0x7ff785289000, 299008, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x187000) = 0x7ff785289000 |
|  | mmap(0x7ff7852d3000, 57344, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1d0000) = 0x7ff7852d3000 |
|  | mmap(0x7ff7852e1000, 10240, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7ff7852e1000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libgcc\_s.so.1", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\3405\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=104984, ...}) = 0 |
|  | mmap(NULL, 107592, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7ff7850e7000 |
|  | mmap(0x7ff7850ea000, 73728, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000) = 0x7ff7850ea000 |
|  | mmap(0x7ff7850fc000, 16384, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x15000) = 0x7ff7850fc000 |
|  | mmap(0x7ff785100000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x18000) = 0x7ff785100000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libc.so.6", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\360A\2\0\0\0\0\0"..., 832) = 832 |
|  | pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784 |
|  | pread64(3, "\4\0\0\0\20\0\0\0\5\0\0\0GNU\0\2\0\0\300\4\0\0\0\3\0\0\0\0\0\0\0", 32, 848) = 32 |
|  | pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\0\237\333t\347\262\27\320l\223\27\*\202C\370T\177"..., 68, 880) = 68 |
|  | fstat(3, {st\_mode=S\_IFREG|0755, st\_size=2029560, ...}) = 0 |
|  | pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784 |
|  | pread64(3, "\4\0\0\0\20\0\0\0\5\0\0\0GNU\0\2\0\0\300\4\0\0\0\3\0\0\0\0\0\0\0", 32, 848) = 32 |
|  | pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\0\237\333t\347\262\27\320l\223\27\*\202C\370T\177"..., 68, 880) = 68 |
|  | mmap(NULL, 2037344, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7ff784ef5000 |
|  | mmap(0x7ff784f17000, 1540096, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x22000) = 0x7ff784f17000 |
|  | mmap(0x7ff78508f000, 319488, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x19a000) = 0x7ff78508f000 |
|  | mmap(0x7ff7850dd000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1e7000) = 0x7ff7850dd000 |
|  | mmap(0x7ff7850e3000, 13920, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7ff7850e3000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libm.so.6", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\300\323\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=1369352, ...}) = 0 |
|  | mmap(NULL, 1368336, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7ff784da6000 |
|  | mmap(0x7ff784db3000, 684032, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xd000) = 0x7ff784db3000 |
|  | mmap(0x7ff784e5a000, 626688, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xb4000) = 0x7ff784e5a000 |
|  | mmap(0x7ff784ef3000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x14c000) = 0x7ff784ef3000 |
|  | close(3) = 0 |
|  | mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7ff784da4000 |
|  | arch\_prctl(ARCH\_SET\_FS, 0x7ff784da5100) = 0 |
|  | mprotect(0x7ff7850dd000, 16384, PROT\_READ) = 0 |
|  | mprotect(0x7ff784ef3000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7ff785100000, 4096, PROT\_READ) = 0 |
|  | mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7ff784da2000 |
|  | mprotect(0x7ff7852d3000, 45056, PROT\_READ) = 0 |
|  | mprotect(0x55fdfeae9000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7ff785322000, 4096, PROT\_READ) = 0 |
|  | munmap(0x7ff7852e6000, 60334) = 0 |
|  | brk(NULL) = 0x55fe005d5000 |
|  | brk(0x55fe005f6000) = 0x55fe005f6000 |
|  | fstat(1, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0), ...}) = 0 |
|  | write(1, "Congrats, you are in parent proc"..., 92) = 92 |
|  | write(1, "For first child: \n", 18) = 18 |
|  | fstat(0, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0), ...}) = 0 |
|  | read(0, "f1\n", 1024) = 3 |
|  | write(1, "For second child: \n", 19) = 19 |
|  | read(0, "f2\n", 1024) = 3 |
|  | pipe([3, 4]) = 0 |
|  | pipe([5, 6]) = 0 |
|  | clone(child\_stack=NULL, flags=CLONE\_CHILD\_CLEARTID|CLONE\_CHILD\_SETTID|SIGCHLD, child\_tidptr=0x7ff784da53d0) = 4293 |
|  | clone(child\_stack=NULL, flags=CLONE\_CHILD\_CLEARTID|CLONE\_CHILD\_SETTID|SIGCHLD, child\_tidptr=0x7ff784da53d0) = 4294 |
|  | write(1, "From parent: enter amount of str"..., 37) = 37 |
|  | read(0, "5\n", 1024) = 2 |
|  | write(4, "\5\0\0\0", 4) = 4 |
|  | write(6, "\5\0\0\0", 4) = 4 |
|  | write(1, "Good, let's delete vowels in you"..., 52) = 52 |
|  | read(0, "Mahmud\n", 1024) = 7 |
|  | write(4, "\6\0\0\0", 4) = 4 |
|  | write(4, "Mahmud", 6) = 6 |
|  | read(0, "Ilyas\n", 1024) = 6 |
|  | write(4, "\5\0\0\0", 4) = 4 |
|  | write(4, "Ilyas", 5) = 5 |
|  | read(0, "BakiyaGetmekj\n", 1024) = 14 |
|  | write(6, "\r\0\0\0", 4) = 4 |
|  | write(6, "BakiyaGetmekj", 13) = 13 |
|  | read(0, "Siqipkek\n", 1024) = 9 |
|  | write(4, "\10\0\0\0", 4) = 4 |
|  | write(4, "Siqipkek", 8) = 8 |
|  | read(0, "KefElemek\n", 1024) = 10 |
|  | write(4, "\t\0\0\0", 4) = 4 |
|  | write(4, "KefElemek", 9) = 9 |
|  | close(3) = 0 |
|  | close(4) = 0 |
|  | close(5) = 0 |
|  | close(6) = 0 |
|  | lseek(0, -1, SEEK\_CUR) = -1 ESPIPE (Illegal seek) |
|  | exit\_group(0) = ? |
|  | +++ exited with 0 +++ |

**Лабораторная работа №3**

|  |
| --- |
| CE075DA2EB1ACBC17D34FED0ACB4FC2C |
|  | AD39BCFEC8AC6C42CDD6BE0076B93A87 |
|  | 45C0B9BB0FEBE9882607DA0C5CAEB102 |
|  | E59D4A07BA6B12A8569AA9A4BD44D8CC |
|  | F38D79B116F267BC881AE8EFE6E5C404 |
|  | 8C030D3BBCDC72D7BF4043D823F56ECB |
|  | B5F7A0D3E6A3DABB61A039093FB2AACB |
|  | 892FF3F723F0DACC9DB166BFCCFE239F |
|  | 3342324B8DED3B44CD80E7427C2CCDDC |
|  | F9A88B7F7EAFE269EC53D67A4A4F5AA8 |
|  | 1709AFA699B50866BBB3C12FD864283D |
|  | 258533F30C9FFB46E1A5F9215FE8764F |
|  | D6EDC42BC6AFBFE6A9A0881F33B19975 |
|  | C24C7CC189A3D30DD1789FB1CE3C1C67 |
|  | 88E5DD795EE3242A195333D94D4C78FD |
|  | B309396673DB41B48D86EB5DF434AFDD |
|  | D0E02FA06ADFC65D8F8D09A19F41ED64 |
|  | 27346F509C6D00EF58240CB2C1646F4D |
|  | DD243FBCEB54B5B62A9ECAD1D32DD277 |
|  | EDCA00ACDF9191497858B5FBD3322CDF |
|  | BD0BC0CEABEF5F8FC54753D0FAACCE4D |
|  | C37A1B5EE2404937DF4CDB8D46462B03 |
|  | FFAAC49CF354FFECCD6E54F8D34BBBAA |
|  | 3CD24755269D8782DC79306A9655842B |
|  | 08EFED4DBABB1E66464E7CBB7F80EF5B |
|  | CD0EF182D1C65933F5EFA52BD842CF15 |
|  | 7ECE9EAA0688ADA8F2929FAF5BAC0B2F |
|  | FB181EAAFDEB91C8A0C0E4347FA2BCBE |
|  | B1FAF79B22F29B0ACAC2EDB8B88ECF4D |
|  | 2F1FBB1D12F8DF58F41B88704DFEBF9D |
|  | 1CFBC7A43D7B64CFFE216E903C804382 |
|  | B7C09424BAD9B2E8ADBFF7A0331B9B5D |
|  | 85F285E3C3F1C3F3F59BF2AEEEE40F8B |
|  | F582D7EE7BF5D3FCD9ADA73C2BF3B45D |
|  | BECD52F18DB29B69F87CBCDBA13A4E69 |
|  | C5B2D24E3A0AAF1AFA7B1DAA007F6EE2 |
|  | E7BACCC59E027DBEEFCCAE9E67CDCC81 |
|  | 0495DDAFC86C68D7EB2DCAA4471D1F31 |
|  | 8E4D45AF39D5D1CD4E80E07AAEFCD0FC |
|  | E98D7CDEA63F5D4D8211FE09E7D532EB |
|  | 7A1DDFDABC9C011200A0D4BC4C0020C5 |
|  | 9CB6E6F57A32AEFD7F6F0AEDFD84990F |
|  | E58D0D4ACC9569758A6A47DEE66ADFFF |
|  | 0E3CFE4DBF8B3918FD62F919C5168F7B |
|  | AF3F66DCBFB392EC0BD0F68DE442233D |
|  | 47AEAF4532C527708D94FBE9E085C72C |
|  | 6AD84D6B1DB28C06B6FBCF69B6CD2ED2 |
|  | 05DA8A1FFEEBEAD50D2856ECC3F6C6CF |
|  | 4C1895FC7D2F3BDBC6E3DC8A6C46B038 |
|  | E60AE6D52A1ED52B9D8DFAAF8E45D3A6 |
|  | FD6BAE8A3CFF82933CAA6F2FAB90A7A4 |
|  | F8EA4B64FB3BE11C96B2DCB41F79B37E |
|  | A0C1FF5D742DE9A28BD6BF7688CC17C7 |
|  | 7D95DD32453AB8E8DB1FEDD1E047CF5F |
|  | 0B49174CB3C9D5FBA7927DAC3FB8E8FF |
|  | A9FF23D592B6E7B0AEA9AC3C795CFDFA |
|  | FDD4F799C9ADC6DF48E2502D2E0FB45D |
|  | BE5847459E6FBD599EE779D17AEE7A46 |
|  | FEB06FB8512AA58C636EC0C958B04EE7 |
|  | F7EC3E9A03AB23E2BDCD0C94E852038E |
|  | CE64B70F50AF10D3FF17C5DDF0FB3F65 |
|  | E7E4A65B7D60F7E560F6E3B1B1C46B73 |
|  | 1D9D9D1BBC7CCF08FFE9B3DEA3DC6A29 |
|  | F4BC0BAA6BCDBDFC7F0F58C44F5D6D6A |
|  | A4FF7EA53E287EBAD235DCF995EDD695 |
|  | 344FE1E4AC6FDF2EFBCCFCA85937AD83 |
|  | D0B02B5CBDC81AFC52D9BFEC5DDFCC8C |
|  | D07135AFC83D0C833682A6334C8A28E5 |
|  | EF316AF79C08AC3ECD96D9E36A93DF8D |
|  | D14E7B58F26D16E6CFCB4223EB300F97 |
|  | FE6AD3E04CDF24A43AC24D6293D7CEFB |
|  | 2A36C16AFEDCBE2F0ADABFCC8FCBAE5A |
|  | EFEDF8E7924B6BEB067F5CEEC15EEFB1 |
|  | EACA71DEF172DA56F6502D176FDC6BBA |
|  | 7237A1ED87D3D0329D91CAA14D719805 |
|  | F5CC2D9CCDFF5BF7C230B35EEA8ECDF0 |
|  | E5570DCCE3FCDC5A1E7DC4D6AEECEA48 |
|  | D6BA3B3D0996B3EEB6FF00D3EFBC37DD |
|  | AACE168F63C9C9E8335A848D000B2866 |
|  | 9E31DFF9FFD6D7CBCCAAE6AEDB6FB6D5 |
|  | BBEC9445E7176ABECC7A58B4AB92B8DC |
|  | A5B4A4ACCD5BE2B1E50FDC2DA357ADF3 |
|  | A1F0869F74BEEBF047AF33D3BA0547CB |
|  | 117ABA2BED021DAC5CA6A63BF7ABE37E |
|  | C0B2E5A6EE8C7AAC5503874B0D8C855E |
|  | F5CD9376ED2C5ACEBCCF1411A713BE85 |
|  | F814A7CA15E2D90FB32D9E44EA90CB40 |
|  | CA5D6E1C2479C266B9319CC7BB012A11 |
|  | CB96A25B428E3B777CD8C4BBCE7376A3 |
|  | 3D5AD159EEEFBEBB43BB586033D70FBA |
|  | DFC1A10FB314B8181DDEB7F0DD31CDAD |
|  | EDEAF0A6AFF0C27339C2A8224EC98A1E |
|  | 0F1BD22098FDAD7CB556E5EFEBC6A3BE |
|  | 3BFE1BE62B6107EACEC3D852C90E9DCD |
|  | 0D2DBF674A28FFD1D8BDD3EF2C7969A4 |
|  | 0587B4FEA7FBB0427EACC0B3B09FBFBB |
|  | 475BF583ED85F0B9CCCB74095A7FD24E |
|  | 23B9CF53FFB0697C3181B9D44DDB90DD |
|  | 51A4F20613DBFEADB1BA3C92E69F8DCC |
|  | BC1810FEB774B6DC65DE67BC126E7790 |
|  | x7f066be3a000, 4096, PROT\_READ) = 0 |
|  | munmap(0x7f066bdfe000, 60334) = 0 |
|  | set\_tid\_address(0x7f066bbe4a10) = 4194 |
|  | set\_robust\_list(0x7f066bbe4a20, 24) = 0 |
|  | rt\_sigaction(SIGRTMIN, {sa\_handler=0x7f066bddfbf0, sa\_mask=[], sa\_flags=SA\_RESTORER|SA\_SIGINFO, sa\_restorer=0x7f066bded3c0}, NULL, 8) = 0 |
|  | rt\_sigaction(SIGRT\_1, {sa\_handler=0x7f066bddfc90, sa\_mask=[], sa\_flags=SA\_RESTORER|SA\_RESTART|SA\_SIGINFO, sa\_restorer=0x7f066bded3c0}, NULL, 8) = 0 |
|  | rt\_sigprocmask(SIG\_UNBLOCK, [RTMIN RT\_1], NULL, 8) = 0 |
|  | prlimit64(0, RLIMIT\_STACK, NULL, {rlim\_cur=8192\*1024, rlim\_max=RLIM64\_INFINITY}) = 0 |
|  | brk(NULL) = 0x55a4f520d000 |
|  | brk(0x55a4f522e000) = 0x55a4f522e000 |
|  | openat(AT\_FDCWD, "file.txt", O\_RDWR|O\_CREAT, 0666) = 3 |
|  | write(3, "CE075DA2EB1ACBC17D34FED0ACB4FC2C", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "AD39BCFEC8AC6C42CDD6BE0076B93A87", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "45C0B9BB0FEBE9882607DA0C5CAEB102", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "E59D4A07BA6B12A8569AA9A4BD44D8CC", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "F38D79B116F267BC881AE8EFE6E5C404", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "8C030D3BBCDC72D7BF4043D823F56ECB", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "B5F7A0D3E6A3DABB61A039093FB2AACB", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "892FF3F723F0DACC9DB166BFCCFE239F", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "3342324B8DED3B44CD80E7427C2CCDDC", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "F9A88B7F7EAFE269EC53D67A4A4F5AA8", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "1709AFA699B50866BBB3C12FD864283D", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "258533F30C9FFB46E1A5F9215FE8764F", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "D6EDC42BC6AFBFE6A9A0881F33B19975", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "C24C7CC189A3D30DD1789FB1CE3C1C67", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "88E5DD795EE3242A195333D94D4C78FD", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "B309396673DB41B48D86EB5DF434AFDD", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "D0E02FA06ADFC65D8F8D09A19F41ED64", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "27346F509C6D00EF58240CB2C1646F4D", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "DD243FBCEB54B5B62A9ECAD1D32DD277", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "EDCA00ACDF9191497858B5FBD3322CDF", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "BD0BC0CEABEF5F8FC54753D0FAACCE4D", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "C37A1B5EE2404937DF4CDB8D46462B03", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "FFAAC49CF354FFECCD6E54F8D34BBBAA", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "3CD24755269D8782DC79306A9655842B", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "08EFED4DBABB1E66464E7CBB7F80EF5B", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "CD0EF182D1C65933F5EFA52BD842CF15", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "7ECE9EAA0688ADA8F2929FAF5BAC0B2F", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "FB181EAAFDEB91C8A0C0E4347FA2BCBE", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "B1FAF79B22F29B0ACAC2EDB8B88ECF4D", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "2F1FBB1D12F8DF58F41B88704DFEBF9D", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "1CFBC7A43D7B64CFFE216E903C804382", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "B7C09424BAD9B2E8ADBFF7A0331B9B5D", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "85F285E3C3F1C3F3F59BF2AEEEE40F8B", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "F582D7EE7BF5D3FCD9ADA73C2BF3B45D", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "BECD52F18DB29B69F87CBCDBA13A4E69", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "C5B2D24E3A0AAF1AFA7B1DAA007F6EE2", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "E7BACCC59E027DBEEFCCAE9E67CDCC81", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "0495DDAFC86C68D7EB2DCAA4471D1F31", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "8E4D45AF39D5D1CD4E80E07AAEFCD0FC", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "E98D7CDEA63F5D4D8211FE09E7D532EB", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "7A1DDFDABC9C011200A0D4BC4C0020C5", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "9CB6E6F57A32AEFD7F6F0AEDFD84990F", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "E58D0D4ACC9569758A6A47DEE66ADFFF", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "0E3CFE4DBF8B3918FD62F919C5168F7B", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "AF3F66DCBFB392EC0BD0F68DE442233D", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "47AEAF4532C527708D94FBE9E085C72C", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "6AD84D6B1DB28C06B6FBCF69B6CD2ED2", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "05DA8A1FFEEBEAD50D2856ECC3F6C6CF", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "4C1895FC7D2F3BDBC6E3DC8A6C46B038", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "E60AE6D52A1ED52B9D8DFAAF8E45D3A6", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "FD6BAE8A3CFF82933CAA6F2FAB90A7A4", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "F8EA4B64FB3BE11C96B2DCB41F79B37E", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "A0C1FF5D742DE9A28BD6BF7688CC17C7", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "7D95DD32453AB8E8DB1FEDD1E047CF5F", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "0B49174CB3C9D5FBA7927DAC3FB8E8FF", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "A9FF23D592B6E7B0AEA9AC3C795CFDFA", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "FDD4F799C9ADC6DF48E2502D2E0FB45D", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "BE5847459E6FBD599EE779D17AEE7A46", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "FEB06FB8512AA58C636EC0C958B04EE7", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "F7EC3E9A03AB23E2BDCD0C94E852038E", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "CE64B70F50AF10D3FF17C5DDF0FB3F65", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "E7E4A65B7D60F7E560F6E3B1B1C46B73", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "1D9D9D1BBC7CCF08FFE9B3DEA3DC6A29", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "F4BC0BAA6BCDBDFC7F0F58C44F5D6D6A", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "A4FF7EA53E287EBAD235DCF995EDD695", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "344FE1E4AC6FDF2EFBCCFCA85937AD83", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "D0B02B5CBDC81AFC52D9BFEC5DDFCC8C", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "D07135AFC83D0C833682A6334C8A28E5", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "EF316AF79C08AC3ECD96D9E36A93DF8D", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "D14E7B58F26D16E6CFCB4223EB300F97", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "FE6AD3E04CDF24A43AC24D6293D7CEFB", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "2A36C16AFEDCBE2F0ADABFCC8FCBAE5A", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "EFEDF8E7924B6BEB067F5CEEC15EEFB1", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "EACA71DEF172DA56F6502D176FDC6BBA", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "7237A1ED87D3D0329D91CAA14D719805", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "F5CC2D9CCDFF5BF7C230B35EEA8ECDF0", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "E5570DCCE3FCDC5A1E7DC4D6AEECEA48", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "D6BA3B3D0996B3EEB6FF00D3EFBC37DD", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "AACE168F63C9C9E8335A848D000B2866", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "9E31DFF9FFD6D7CBCCAAE6AEDB6FB6D5", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "BBEC9445E7176ABECC7A58B4AB92B8DC", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "A5B4A4ACCD5BE2B1E50FDC2DA357ADF3", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "A1F0869F74BEEBF047AF33D3BA0547CB", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "117ABA2BED021DAC5CA6A63BF7ABE37E", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "C0B2E5A6EE8C7AAC5503874B0D8C855E", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "F5CD9376ED2C5ACEBCCF1411A713BE85", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "F814A7CA15E2D90FB32D9E44EA90CB40", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "CA5D6E1C2479C266B9319CC7BB012A11", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "CB96A25B428E3B777CD8C4BBCE7376A3", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "3D5AD159EEEFBEBB43BB586033D70FBA", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "DFC1A10FB314B8181DDEB7F0DD31CDAD", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "EDEAF0A6AFF0C27339C2A8224EC98A1E", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "0F1BD22098FDAD7CB556E5EFEBC6A3BE", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "3BFE1BE62B6107EACEC3D852C90E9DCD", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "0D2DBF674A28FFD1D8BDD3EF2C7969A4", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "0587B4FEA7FBB0427EACC0B3B09FBFBB", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "475BF583ED85F0B9CCCB74095A7FD24E", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "23B9CF53FFB0697C3181B9D44DDB90DD", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "51A4F20613DBFEADB1BA3C92E69F8DCC", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | write(3, "BC1810FEB774B6DC65DE67BC126E7790", 32) = 32 |
|  | write(3, "\n", 1) = 1 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "file.txt", O\_RDWR|O\_CREAT, 0666) = 3 |
|  | lseek(3, 0, SEEK\_END) = 13985 |
|  | close(3) = 0 |
|  | mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0) = 0x7f066b3e3000 |
|  | mprotect(0x7f066b3e4000, 8388608, PROT\_READ|PROT\_WRITE) = 0 |
|  | clone(child\_stack=0x7f066bbe2fb0, flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, parent\_tid=[4195], tls=0x7f066bbe3700, child\_tidptr=0x7f066bbe39d0) = 4195 |
|  | futex(0x7f066bbe39d0, FUTEX\_WAIT, 4195, NULL) = 0 |
|  | fstat(1, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0), ...}) = 0 |
|  | write(1, "DEC: \n", 6) = 6 |
|  | write(1, "96295804718621291502983630607899"..., 39) = 39 |
|  | write(1, "Time taken by program is : 0.007"..., 49) = 49 |
|  | exit\_group(0) = ? |
|  | +++ exited with 0 +++ |

**Лабораторная работа №4**

**mmap** – memory map – отражение в память, флаг MAP\_SHARED показывает, что память разделяемая

|  |
| --- |
| execve("./main", ["./main"], 0x7ffd2f418c90 /\* 62 vars \*/) = 0 |
|  | brk(NULL) = 0x55b3669f2000 |
|  | access("/etc/ld.so.nohwcap", F\_OK) = -1 ENOENT (No such file or directory) |
|  | access("/etc/ld.so.preload", R\_OK) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=77171, ...}) = 0 |
|  | mmap(NULL, 77171, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7fb38e7a6000 |
|  | close(3) = 0 |
|  | access("/etc/ld.so.nohwcap", F\_OK) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/libstdc++.so.6", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\220\304\10\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=1594864, ...}) = 0 |
|  | mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fb38e7a4000 |
|  | mmap(NULL, 3702848, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fb38e209000 |
|  | mprotect(0x7fb38e382000, 2097152, PROT\_NONE) = 0 |
|  | mmap(0x7fb38e582000, 49152, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x179000) = 0x7fb38e582000 |
|  | mmap(0x7fb38e58e000, 12352, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7fb38e58e000 |
|  | close(3) = 0 |
|  | access("/etc/ld.so.nohwcap", F\_OK) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libgcc\_s.so.1", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\300\*\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=96616, ...}) = 0 |
|  | mmap(NULL, 2192432, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fb38dff1000 |
|  | mprotect(0x7fb38e008000, 2093056, PROT\_NONE) = 0 |
|  | mmap(0x7fb38e207000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x16000) = 0x7fb38e207000 |
|  | close(3) = 0 |
|  | access("/etc/ld.so.nohwcap", F\_OK) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libc.so.6", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\260\34\2\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0755, st\_size=2030544, ...}) = 0 |
|  | mmap(NULL, 4131552, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fb38dc00000 |
|  | mprotect(0x7fb38dde7000, 2097152, PROT\_NONE) = 0 |
|  | mmap(0x7fb38dfe7000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1e7000) = 0x7fb38dfe7000 |
|  | mmap(0x7fb38dfed000, 15072, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7fb38dfed000 |
|  | close(3) = 0 |
|  | access("/etc/ld.so.nohwcap", F\_OK) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libm.so.6", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\200\272\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=1700792, ...}) = 0 |
|  | mmap(NULL, 3789144, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fb38d862000 |
|  | mprotect(0x7fb38d9ff000, 2093056, PROT\_NONE) = 0 |
|  | mmap(0x7fb38dbfe000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x19c000) = 0x7fb38dbfe000 |
|  | close(3) = 0 |
|  | mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fb38e7a2000 |
|  | arch\_prctl(ARCH\_SET\_FS, 0x7fb38e7a2d80) = 0 |
|  | mprotect(0x7fb38dfe7000, 16384, PROT\_READ) = 0 |
|  | mprotect(0x7fb38dbfe000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7fb38e207000, 4096, PROT\_READ) = 0 |
|  | mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fb38e7a0000 |
|  | mprotect(0x7fb38e582000, 40960, PROT\_READ) = 0 |
|  | mprotect(0x55b3657eb000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7fb38e7b9000, 4096, PROT\_READ) = 0 |
|  | munmap(0x7fb38e7a6000, 77171) = 0 |
|  | brk(NULL) = 0x55b3669f2000 |
|  | brk(0x55b366a13000) = 0x55b366a13000 |
|  | fstat(1, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(136, 0), ...}) = 0 |
|  | write(1, "Congrats, you are in parent proc"..., 70) = 70 |
|  | fstat(0, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(136, 0), ...}) = 0 |
|  | read(0, "5\n", 1024) = 2 |
|  | write(1, "Enter name of file for first chi"..., 37) = 37 |
|  | read(0, "ch1.txt\n", 1024) = 8 |
|  | write(1, "For second child: \n", 19) = 19 |
|  | read(0, "ch2.txt\n", 1024) = 8 |
|  | openat(AT\_FDCWD, "f1.txt", O\_RDWR|O\_CREAT, 0777) = 3 |
|  | openat(AT\_FDCWD, "f2.txt", O\_RDWR|O\_CREAT, 0777) = 4 |
|  | mmap(NULL, 4096, PROT\_READ|PROT\_WRITE, MAP\_SHARED, 3, 0) = 0x7fb38e7b8000 |
|  | mmap(NULL, 4096, PROT\_READ|PROT\_WRITE, MAP\_SHARED, 4, 0) = 0x7fb38e7b7000 |
|  | write(1, "Good. Please enter your strings:"..., 34) = 34 |
|  | read(0, "mahmud\n", 1024) = 6 |
|  | ftruncate(3, 6) = 0 |
|  | read(0, "amamamamamamamamam\n", 1024) = 19 |
|  | ftruncate(4, 19) = 0 |
|  | read(0, "maksim\n", 1024) = 7 |
|  | ftruncate(3, 13) = 0 |
|  | read(0, "ajajhahjajabjaba\n", 1024) = 17 |
|  | ftruncate(4, 36) = 0 |
|  | read(0, "soiosdiodosidpsisdpisd\n", 1024) = 23 |
|  | ftruncate(4, 59) = 0 |
|  | clone(child\_stack=NULL, flags=CLONE\_CHILD\_CLEARTID|CLONE\_CHILD\_SETTID|SIGCHLD, child\_tidptr=0x7fb38e7a3050) = 2249 |
|  | clone(child\_stack=NULL, flags=CLONE\_CHILD\_CLEARTID|CLONE\_CHILD\_SETTID|SIGCHLD, child\_tidptr=0x7fb38e7a3050) = 2250 |
|  | munmap(0x7fb38e7b8000, 4096) = 0 |
|  | munmap(0x7fb38e7b7000, 4096) = 0 |
|  | --- SIGCHLD {si\_signo=SIGCHLD, si\_code=CLD\_EXITED, si\_pid=2249, si\_uid=1000, si\_status=0, si\_utime=0, si\_stime=0} --- |
|  | close(3) = 0 |
|  | close(4) = 0 |
|  | unlink("f1.txt") = -1 ETXTBSY (Text file busy) |
|  | --- SIGCHLD {si\_signo=SIGCHLD, si\_code=CLD\_EXITED, si\_pid=2250, si\_uid=1000, si\_status=0, si\_utime=0, si\_stime=0} --- |
|  | unlink("f2.txt") = 0 |
|  | lseek(0, -1, SEEK\_CUR) = -1 ESPIPE (Illegal seek) |
|  | exit\_group(0) = ? |
|  | +++ exited with 0 +++ |

**Лабораторная работа №5**

**openat** – открытие файла, в моём случае - библиотеки

|  |
| --- |
| execve("./main1.1", ["./main1.1"], 0x7ffcac23ef00 /\* 58 vars \*/) = 0 |
|  | brk(NULL) = 0x56267f464000 |
|  | arch\_prctl(0x3001 /\* ARCH\_??? \*/, 0x7ffc33773670) = -1 EINVAL (Invalid argument) |
|  | access("/etc/ld.so.preload", R\_OK) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./tls/x86\_64/x86\_64/libfunctions1.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./tls/x86\_64/libfunctions1.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./tls/x86\_64/libfunctions1.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./tls/libfunctions1.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./x86\_64/x86\_64/libfunctions1.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./x86\_64/libfunctions1.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./x86\_64/libfunctions1.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./libfunctions1.so", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0`\20\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0775, st\_size=15912, ...}) = 0 |
|  | mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7ffa5c7f3000 |
|  | getcwd("/home/max/Downloads/OS-main/os\_lab5/src", 128) = 40 |
|  | mmap(NULL, 16432, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7ffa5c7ee000 |
|  | mmap(0x7ffa5c7ef000, 4096, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1000) = 0x7ffa5c7ef000 |
|  | mmap(0x7ffa5c7f0000, 4096, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000) = 0x7ffa5c7f0000 |
|  | mmap(0x7ffa5c7f1000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000) = 0x7ffa5c7f1000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "./tls/x86\_64/x86\_64/libc.so.6", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./tls/x86\_64/libc.so.6", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./tls/x86\_64/libc.so.6", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./tls/libc.so.6", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./x86\_64/x86\_64/libc.so.6", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./x86\_64/libc.so.6", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./x86\_64/libc.so.6", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "./libc.so.6", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=61856, ...}) = 0 |
|  | mmap(NULL, 61856, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7ffa5c7de000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libc.so.6", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\360A\2\0\0\0\0\0"..., 832) = 832 |
|  | pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784 |
|  | pread64(3, "\4\0\0\0\20\0\0\0\5\0\0\0GNU\0\2\0\0\300\4\0\0\0\3\0\0\0\0\0\0\0", 32, 848) = 32 |
|  | pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\0\237\333t\347\262\27\320l\223\27\*\202C\370T\177"..., 68, 880) = 68 |
|  | fstat(3, {st\_mode=S\_IFREG|0755, st\_size=2029560, ...}) = 0 |
|  | pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784 |
|  | pread64(3, "\4\0\0\0\20\0\0\0\5\0\0\0GNU\0\2\0\0\300\4\0\0\0\3\0\0\0\0\0\0\0", 32, 848) = 32 |
|  | pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\0\237\333t\347\262\27\320l\223\27\*\202C\370T\177"..., 68, 880) = 68 |
|  | mmap(NULL, 2037344, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7ffa5c5ec000 |
|  | mmap(0x7ffa5c60e000, 1540096, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x22000) = 0x7ffa5c60e000 |
|  | mmap(0x7ffa5c786000, 319488, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x19a000) = 0x7ffa5c786000 |
|  | mmap(0x7ffa5c7d4000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1e7000) = 0x7ffa5c7d4000 |
|  | mmap(0x7ffa5c7da000, 13920, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7ffa5c7da000 |
|  | close(3) = 0 |
|  | mmap(NULL, 12288, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7ffa5c5e9000 |
|  | arch\_prctl(ARCH\_SET\_FS, 0x7ffa5c5e9740) = 0 |
|  | mprotect(0x7ffa5c7d4000, 16384, PROT\_READ) = 0 |
|  | mprotect(0x7ffa5c7f1000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x56267e027000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7ffa5c822000, 4096, PROT\_READ) = 0 |
|  | munmap(0x7ffa5c7de000, 61856) = 0 |
|  | fstat(0, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0), ...}) = 0 |
|  | brk(NULL) = 0x56267f464000 |
|  | brk(0x56267f485000) = 0x56267f485000 |
|  | read(0, "1 3 7\n", 1024) = 6 |
|  | fstat(1, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0), ...}) = 0 |
|  | write(1, "3\n", 2) = 2 |
|  | read(0, "1 7 3\n", 1024) = 6 |
|  | write(1, "3\n", 2) = 2 |
|  | read(0, "2 43 71\n", 1024) = 8 |
|  | write(1, "1\n", 2) = 2 |
|  | read(0, "2 44 1089\n", 1024) = 10 |
|  | write(1, "11\n", 3) = 3 |
|  | read(0, "", 1024) = 0 |
|  | exit\_group(0) = ? |
|  | +++ exited with 0 +++ |

**Лабораторная работа №6-8**

|  |
| --- |
| execve("./server", ["./server"], 0x7fff5301b930 /\* 58 vars \*/) = 0 |
|  | brk(NULL) = 0x55e0da7e1000 |
|  | arch\_prctl(0x3001 /\* ARCH\_??? \*/, 0x7fff6f0a5b20) = -1 EINVAL (Invalid argument) |
|  | access("/etc/ld.so.preload", R\_OK) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=61856, ...}) = 0 |
|  | mmap(NULL, 61856, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7f45da0b9000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libzmq.so.5", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0`z\1\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=675776, ...}) = 0 |
|  | mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f45da0b7000 |
|  | mmap(NULL, 678128, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45da011000 |
|  | mmap(0x7f45da027000, 430080, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x16000) = 0x7f45da027000 |
|  | mmap(0x7f45da090000, 126976, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x7f000) = 0x7f45da090000 |
|  | mmap(0x7f45da0af000, 32768, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x9d000) = 0x7f45da0af000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libstdc++.so.6", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0`\341\t\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=1956992, ...}) = 0 |
|  | mmap(NULL, 1972224, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d9e2f000 |
|  | mprotect(0x7f45d9ec5000, 1290240, PROT\_NONE) = 0 |
|  | mmap(0x7f45d9ec5000, 987136, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x96000) = 0x7f45d9ec5000 |
|  | mmap(0x7f45d9fb6000, 299008, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x187000) = 0x7f45d9fb6000 |
|  | mmap(0x7f45da000000, 57344, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1d0000) = 0x7f45da000000 |
|  | mmap(0x7f45da00e000, 10240, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7f45da00e000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libgcc\_s.so.1", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\3405\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=104984, ...}) = 0 |
|  | mmap(NULL, 107592, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d9e14000 |
|  | mmap(0x7f45d9e17000, 73728, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000) = 0x7f45d9e17000 |
|  | mmap(0x7f45d9e29000, 16384, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x15000) = 0x7f45d9e29000 |
|  | mmap(0x7f45d9e2d000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x18000) = 0x7f45d9e2d000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libc.so.6", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\360A\2\0\0\0\0\0"..., 832) = 832 |
|  | pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784 |
|  | pread64(3, "\4\0\0\0\20\0\0\0\5\0\0\0GNU\0\2\0\0\300\4\0\0\0\3\0\0\0\0\0\0\0", 32, 848) = 32 |
|  | pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\0\237\333t\347\262\27\320l\223\27\*\202C\370T\177"..., 68, 880) = 68 |
|  | fstat(3, {st\_mode=S\_IFREG|0755, st\_size=2029560, ...}) = 0 |
|  | pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784 |
|  | pread64(3, "\4\0\0\0\20\0\0\0\5\0\0\0GNU\0\2\0\0\300\4\0\0\0\3\0\0\0\0\0\0\0", 32, 848) = 32 |
|  | pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\0\237\333t\347\262\27\320l\223\27\*\202C\370T\177"..., 68, 880) = 68 |
|  | mmap(NULL, 2037344, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d9c22000 |
|  | mmap(0x7f45d9c44000, 1540096, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x22000) = 0x7f45d9c44000 |
|  | mmap(0x7f45d9dbc000, 319488, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x19a000) = 0x7f45d9dbc000 |
|  | mmap(0x7f45d9e0a000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1e7000) = 0x7f45d9e0a000 |
|  | mmap(0x7f45d9e10000, 13920, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7f45d9e10000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libsodium.so.23", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\200\302\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=355016, ...}) = 0 |
|  | mmap(NULL, 357384, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d9bca000 |
|  | mmap(0x7f45d9bd6000, 229376, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xc000) = 0x7f45d9bd6000 |
|  | mmap(0x7f45d9c0e000, 73728, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x44000) = 0x7f45d9c0e000 |
|  | mmap(0x7f45d9c20000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x55000) = 0x7f45d9c20000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libpgm-5.2.so.0", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\240L\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=302056, ...}) = 0 |
|  | mmap(NULL, 321584, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d9b7b000 |
|  | mmap(0x7f45d9b7f000, 163840, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000) = 0x7f45d9b7f000 |
|  | mmap(0x7f45d9ba7000, 118784, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2c000) = 0x7f45d9ba7000 |
|  | mmap(0x7f45d9bc4000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x48000) = 0x7f45d9bc4000 |
|  | mmap(0x7f45d9bc6000, 14384, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7f45d9bc6000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libnorm.so.1", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\257\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=690344, ...}) = 0 |
|  | mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f45d9b79000 |
|  | mmap(NULL, 1420000, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d9a1e000 |
|  | mmap(0x7f45d9a28000, 421888, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xa000) = 0x7f45d9a28000 |
|  | mmap(0x7f45d9a8f000, 217088, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x71000) = 0x7f45d9a8f000 |
|  | mmap(0x7f45d9ac4000, 16384, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xa5000) = 0x7f45d9ac4000 |
|  | mmap(0x7f45d9ac8000, 723680, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7f45d9ac8000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libgssapi\_krb5.so.2", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0P\321\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=309712, ...}) = 0 |
|  | mmap(NULL, 312128, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d99d1000 |
|  | mmap(0x7f45d99dc000, 204800, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xb000) = 0x7f45d99dc000 |
|  | mmap(0x7f45d9a0e000, 49152, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3d000) = 0x7f45d9a0e000 |
|  | mmap(0x7f45d9a1a000, 16384, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x48000) = 0x7f45d9a1a000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libpthread.so.0", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\220q\0\0\0\0\0\0"..., 832) = 832 |
|  | pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\0\360\2300%\360\340\363'\246\332u/\364\377\246u"..., 68, 824) = 68 |
|  | fstat(3, {st\_mode=S\_IFREG|0755, st\_size=157224, ...}) = 0 |
|  | pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\0\360\2300%\360\340\363'\246\332u/\364\377\246u"..., 68, 824) = 68 |
|  | mmap(NULL, 140408, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d99ae000 |
|  | mmap(0x7f45d99b4000, 69632, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x6000) = 0x7f45d99b4000 |
|  | mmap(0x7f45d99c5000, 24576, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x17000) = 0x7f45d99c5000 |
|  | mmap(0x7f45d99cb000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1c000) = 0x7f45d99cb000 |
|  | mmap(0x7f45d99cd000, 13432, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7f45d99cd000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libm.so.6", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\300\323\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=1369352, ...}) = 0 |
|  | mmap(NULL, 1368336, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d985f000 |
|  | mmap(0x7f45d986c000, 684032, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xd000) = 0x7f45d986c000 |
|  | mmap(0x7f45d9913000, 626688, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xb4000) = 0x7f45d9913000 |
|  | mmap(0x7f45d99ac000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x14c000) = 0x7f45d99ac000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libkrb5.so.3", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0 ?\2\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=902016, ...}) = 0 |
|  | mmap(NULL, 904640, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d9782000 |
|  | mprotect(0x7f45d97a4000, 700416, PROT\_NONE) = 0 |
|  | mmap(0x7f45d97a4000, 397312, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x22000) = 0x7f45d97a4000 |
|  | mmap(0x7f45d9805000, 299008, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x83000) = 0x7f45d9805000 |
|  | mmap(0x7f45d984f000, 65536, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xcc000) = 0x7f45d984f000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libk5crypto.so.3", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\240D\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=191040, ...}) = 0 |
|  | mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f45d9780000 |
|  | mmap(NULL, 196696, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d974f000 |
|  | mprotect(0x7f45d9753000, 172032, PROT\_NONE) = 0 |
|  | mmap(0x7f45d9753000, 114688, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000) = 0x7f45d9753000 |
|  | mmap(0x7f45d976f000, 53248, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x20000) = 0x7f45d976f000 |
|  | mmap(0x7f45d977d000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2d000) = 0x7f45d977d000 |
|  | mmap(0x7f45d977f000, 88, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7f45d977f000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libcom\_err.so.2", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\200$\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=22600, ...}) = 0 |
|  | mmap(NULL, 24744, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d9748000 |
|  | mmap(0x7f45d974a000, 8192, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000) = 0x7f45d974a000 |
|  | mmap(0x7f45d974c000, 4096, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000) = 0x7f45d974c000 |
|  | mmap(0x7f45d974d000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000) = 0x7f45d974d000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libkrb5support.so.0", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\3605\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=56096, ...}) = 0 |
|  | mmap(NULL, 58344, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d9739000 |
|  | mmap(0x7f45d973c000, 28672, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000) = 0x7f45d973c000 |
|  | mmap(0x7f45d9743000, 12288, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xa000) = 0x7f45d9743000 |
|  | mmap(0x7f45d9746000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xc000) = 0x7f45d9746000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libkeyutils.so.1", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0@\"\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=22600, ...}) = 0 |
|  | mmap(NULL, 24592, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d9732000 |
|  | mmap(0x7f45d9734000, 8192, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000) = 0x7f45d9734000 |
|  | mmap(0x7f45d9736000, 4096, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000) = 0x7f45d9736000 |
|  | mmap(0x7f45d9737000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000) = 0x7f45d9737000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libresolv.so.2", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0 G\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=101320, ...}) = 0 |
|  | mmap(NULL, 113280, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d9716000 |
|  | mmap(0x7f45d971a000, 65536, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000) = 0x7f45d971a000 |
|  | mmap(0x7f45d972a000, 16384, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x14000) = 0x7f45d972a000 |
|  | mmap(0x7f45d972e000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x17000) = 0x7f45d972e000 |
|  | mmap(0x7f45d9730000, 6784, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7f45d9730000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libdl.so.2", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0 \22\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=18816, ...}) = 0 |
|  | mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f45d9714000 |
|  | mmap(NULL, 20752, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d970e000 |
|  | mmap(0x7f45d970f000, 8192, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1000) = 0x7f45d970f000 |
|  | mmap(0x7f45d9711000, 4096, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000) = 0x7f45d9711000 |
|  | mmap(0x7f45d9712000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000) = 0x7f45d9712000 |
|  | close(3) = 0 |
|  | mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f45d970c000 |
|  | mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f45d970a000 |
|  | arch\_prctl(ARCH\_SET\_FS, 0x7f45d970d600) = 0 |
|  | mprotect(0x7f45d9e0a000, 16384, PROT\_READ) = 0 |
|  | mprotect(0x7f45d9712000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7f45d972e000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7f45d9737000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7f45d9746000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7f45d99cb000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7f45d974d000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7f45d977d000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7f45d984f000, 57344, PROT\_READ) = 0 |
|  | mprotect(0x7f45d99ac000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7f45d9a1a000, 8192, PROT\_READ) = 0 |
|  | mprotect(0x7f45d9e2d000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7f45da000000, 45056, PROT\_READ) = 0 |
|  | mprotect(0x7f45d9ac4000, 12288, PROT\_READ) = 0 |
|  | mprotect(0x7f45d9bc4000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7f45d9c20000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7f45da0af000, 28672, PROT\_READ) = 0 |
|  | mprotect(0x55e0d9616000, 4096, PROT\_READ) = 0 |
|  | mprotect(0x7f45da0f6000, 4096, PROT\_READ) = 0 |
|  | munmap(0x7f45da0b9000, 61856) = 0 |
|  | set\_tid\_address(0x7f45d970d8d0) = 4967 |
|  | set\_robust\_list(0x7f45d970d8e0, 24) = 0 |
|  | rt\_sigaction(SIGRTMIN, {sa\_handler=0x7f45d99b4bf0, sa\_mask=[], sa\_flags=SA\_RESTORER|SA\_SIGINFO, sa\_restorer=0x7f45d99c23c0}, NULL, 8) = 0 |
|  | rt\_sigaction(SIGRT\_1, {sa\_handler=0x7f45d99b4c90, sa\_mask=[], sa\_flags=SA\_RESTORER|SA\_RESTART|SA\_SIGINFO, sa\_restorer=0x7f45d99c23c0}, NULL, 8) = 0 |
|  | rt\_sigprocmask(SIG\_UNBLOCK, [RTMIN RT\_1], NULL, 8) = 0 |
|  | prlimit64(0, RLIMIT\_STACK, NULL, {rlim\_cur=8192\*1024, rlim\_max=RLIM64\_INFINITY}) = 0 |
|  | brk(NULL) = 0x55e0da7e1000 |
|  | brk(0x55e0da802000) = 0x55e0da802000 |
|  | futex(0x7f45da00e6bc, FUTEX\_WAKE\_PRIVATE, 2147483647) = 0 |
|  | futex(0x7f45da00e6c8, FUTEX\_WAKE\_PRIVATE, 2147483647) = 0 |
|  | openat(AT\_FDCWD, "/sys/devices/system/cpu/online", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "0\n", 8192) = 2 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/sys/devices/system/cpu", O\_RDONLY|O\_NONBLOCK|O\_CLOEXEC|O\_DIRECTORY) = 3 |
|  | fstat(3, {st\_mode=S\_IFDIR|0755, st\_size=0, ...}) = 0 |
|  | getdents64(3, /\* 17 entries \*/, 32768) = 520 |
|  | getdents64(3, /\* 0 entries \*/, 32768) = 0 |
|  | close(3) = 0 |
|  | getpid() = 4967 |
|  | sched\_getaffinity(4967, 128, [0]) = 8 |
|  | openat(AT\_FDCWD, "/etc/nsswitch.conf", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=542, ...}) = 0 |
|  | read(3, "# /etc/nsswitch.conf\n#\n# Example"..., 4096) = 542 |
|  | read(3, "", 4096) = 0 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=61856, ...}) = 0 |
|  | mmap(NULL, 61856, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7f45da0b9000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/tls/x86\_64/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/x86\_64-linux-gnu/tls/x86\_64/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/tls/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/x86\_64-linux-gnu/tls/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/tls/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/x86\_64-linux-gnu/tls/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/tls/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/x86\_64-linux-gnu/tls", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/x86\_64/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/x86\_64-linux-gnu/x86\_64/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/x86\_64-linux-gnu/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/x86\_64-linux-gnu/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/x86\_64-linux-gnu", {st\_mode=S\_IFDIR|0755, st\_size=69632, ...}) = 0 |
|  | openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/tls/x86\_64/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/x86\_64-linux-gnu/tls/x86\_64/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/tls/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/x86\_64-linux-gnu/tls/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/tls/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/x86\_64-linux-gnu/tls/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/tls/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/x86\_64-linux-gnu/tls", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/x86\_64/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/x86\_64-linux-gnu/x86\_64/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/x86\_64-linux-gnu/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/x86\_64-linux-gnu/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/x86\_64-linux-gnu", {st\_mode=S\_IFDIR|0755, st\_size=69632, ...}) = 0 |
|  | openat(AT\_FDCWD, "/lib/tls/x86\_64/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/tls/x86\_64/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/tls/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/tls/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/tls/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/tls/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/tls/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/tls", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/x86\_64/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/x86\_64/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/lib/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/lib", {st\_mode=S\_IFDIR|0755, st\_size=4096, ...}) = 0 |
|  | openat(AT\_FDCWD, "/usr/lib/tls/x86\_64/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/tls/x86\_64/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/tls/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/tls/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/tls/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/tls/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/tls/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/tls", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/x86\_64/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/x86\_64/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib/x86\_64", 0x7fff6f0a2d00) = -1 ENOENT (No such file or directory) |
|  | openat(AT\_FDCWD, "/usr/lib/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory) |
|  | stat("/usr/lib", {st\_mode=S\_IFDIR|0755, st\_size=4096, ...}) = 0 |
|  | munmap(0x7f45da0b9000, 61856) = 0 |
|  | openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=61856, ...}) = 0 |
|  | mmap(NULL, 61856, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7f45da0b9000 |
|  | close(3) = 0 |
|  | openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libnss\_files.so.2", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\3005\0\0\0\0\0\0"..., 832) = 832 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=51832, ...}) = 0 |
|  | mmap(NULL, 79672, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f45d96f6000 |
|  | mmap(0x7f45d96f9000, 28672, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000) = 0x7f45d96f9000 |
|  | mmap(0x7f45d9700000, 8192, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xa000) = 0x7f45d9700000 |
|  | mmap(0x7f45d9702000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xb000) = 0x7f45d9702000 |
|  | mmap(0x7f45d9704000, 22328, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7f45d9704000 |
|  | close(3) = 0 |
|  | mprotect(0x7f45d9702000, 4096, PROT\_READ) = 0 |
|  | munmap(0x7f45da0b9000, 61856) = 0 |
|  | openat(AT\_FDCWD, "/etc/protocols", O\_RDONLY|O\_CLOEXEC) = 3 |
|  | lseek(3, 0, SEEK\_CUR) = 0 |
|  | fstat(3, {st\_mode=S\_IFREG|0644, st\_size=2932, ...}) = 0 |
|  | read(3, "# Internet (IP) protocols\n#\n# Up"..., 4096) = 2932 |
|  | lseek(3, 0, SEEK\_CUR) = 2932 |
|  | read(3, "", 4096) = 0 |
|  | close(3) = 0 |
|  | eventfd2(0, EFD\_CLOEXEC) = 3 |
|  | fcntl(3, F\_GETFL) = 0x2 (flags O\_RDWR) |
|  | fcntl(3, F\_SETFL, O\_RDWR|O\_NONBLOCK) = 0 |
|  | fcntl(3, F\_GETFL) = 0x802 (flags O\_RDWR|O\_NONBLOCK) |
|  | fcntl(3, F\_SETFL, O\_RDWR|O\_NONBLOCK) = 0 |
|  | getrandom("\x6b\x24\x08\xdc\x9c\x2c\xcf\x9c\x8d\xe8\x57\xd0\x1a\xee\x1b\x89", 16, 0) = 16 |
|  | getrandom("\x48\x2e\xbf\xc7\x93\xd7\x9f\x89\xd6\xc3\xb2\xc9\x45\xb2\x55\x60", 16, 0) = 16 |
|  | eventfd2(0, EFD\_CLOEXEC) = 4 |
|  | fcntl(4, F\_GETFL) = 0x2 (flags O\_RDWR) |
|  | fcntl(4, F\_SETFL, O\_RDWR|O\_NONBLOCK) = 0 |
|  | fcntl(4, F\_GETFL) = 0x802 (flags O\_RDWR|O\_NONBLOCK) |
|  | fcntl(4, F\_SETFL, O\_RDWR|O\_NONBLOCK) = 0 |
|  | epoll\_create1(EPOLL\_CLOEXEC) = 5 |
|  | epoll\_ctl(5, EPOLL\_CTL\_ADD, 4, {0, {u32=3665771872, u64=94424226807136}}) = 0 |
|  | epoll\_ctl(5, EPOLL\_CTL\_MOD, 4, {EPOLLIN, {u32=3665771872, u64=94424226807136}}) = 0 |
|  | mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0) = 0x7f45d8ef5000 |
|  | mprotect(0x7f45d8ef6000, 8388608, PROT\_READ|PROT\_WRITE) = 0 |
|  | clone(child\_stack=0x7f45d96f4d30, flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, parent\_tid=[4968], tls=0x7f45d96f5700, child\_tidptr=0x7f45d96f59d0) = 4968 |
|  | eventfd2(0, EFD\_CLOEXEC) = 6 |
|  | fcntl(6, F\_GETFL) = 0x2 (flags O\_RDWR) |
|  | fcntl(6, F\_SETFL, O\_RDWR|O\_NONBLOCK) = 0 |
|  | fcntl(6, F\_GETFL) = 0x802 (flags O\_RDWR|O\_NONBLOCK) |
|  | fcntl(6, F\_SETFL, O\_RDWR|O\_NONBLOCK) = 0 |
|  | epoll\_create1(EPOLL\_CLOEXEC) = 7 |
|  | epoll\_ctl(7, EPOLL\_CTL\_ADD, 6, {0, {u32=3665789536, u64=94424226824800}}) = 0 |
|  | epoll\_ctl(7, EPOLL\_CTL\_MOD, 6, {EPOLLIN, {u32=3665789536, u64=94424226824800}}) = 0 |
|  | mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0) = 0x7f45d86f4000 |
|  | mprotect(0x7f45d86f5000, 8388608, PROT\_READ|PROT\_WRITE) = 0 |
|  | clone(child\_stack=0x7f45d8ef3d30, flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, parent\_tid=[4969], tls=0x7f45d8ef4700, child\_tidptr=0x7f45d8ef49d0) = 4969 |
|  | eventfd2(0, EFD\_CLOEXEC) = 8 |
|  | fcntl(8, F\_GETFL) = 0x2 (flags O\_RDWR) |
|  | fcntl(8, F\_SETFL, O\_RDWR|O\_NONBLOCK) = 0 |
|  | fcntl(8, F\_GETFL) = 0x802 (flags O\_RDWR|O\_NONBLOCK) |
|  | fcntl(8, F\_SETFL, O\_RDWR|O\_NONBLOCK) = 0 |
|  | fstat(1, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0), ...}) = 0 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | fstat(0, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0), ...}) = 0 |
|  | read(0, "create 2\n", 1024) = 9 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | socket(AF\_NETLINK, SOCK\_RAW|SOCK\_CLOEXEC, NETLINK\_ROUTE) = 9 |
|  | bind(9, {sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, 12) = 0 |
|  | getsockname(9, {sa\_family=AF\_NETLINK, nl\_pid=4967, nl\_groups=00000000}, [12]) = 0 |
|  | sendto(9, {{len=20, type=RTM\_GETLINK, flags=NLM\_F\_REQUEST|NLM\_F\_DUMP, seq=1648280643, pid=0}, {ifi\_family=AF\_UNSPEC, ...}}, 20, 0, {sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, 12) = 20 |
|  | recvmsg(9, {msg\_name={sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, msg\_namelen=12, msg\_iov=[{iov\_base=[{{len=1324, type=RTM\_NEWLINK, flags=NLM\_F\_MULTI, seq=1648280643, pid=4967}, {ifi\_family=AF\_UNSPEC, ifi\_type=ARPHRD\_LOOPBACK, ifi\_index=if\_nametoindex("lo"), ifi\_flags=IFF\_UP|IFF\_LOOPBACK|IFF\_RUNNING|IFF\_LOWER\_UP, ifi\_change=0}, [{{nla\_len=7, nla\_type=IFLA\_IFNAME}, "lo"}, {{nla\_len=8, nla\_type=IFLA\_TXQLEN}, 1000}, {{nla\_len=5, nla\_type=IFLA\_OPERSTATE}, 0}, {{nla\_len=5, nla\_type=IFLA\_LINKMODE}, 0}, {{nla\_len=8, nla\_type=IFLA\_MTU}, 65536}, {{nla\_len=8, nla\_type=IFLA\_MIN\_MTU}, 0}, {{nla\_len=8, nla\_type=IFLA\_MAX\_MTU}, 0}, {{nla\_len=8, nla\_type=IFLA\_GROUP}, 0}, {{nla\_len=8, nla\_type=IFLA\_PROMISCUITY}, 0}, {{nla\_len=8, nla\_type=IFLA\_NUM\_TX\_QUEUES}, 1}, {{nla\_len=8, nla\_type=IFLA\_GSO\_MAX\_SEGS}, 65535}, {{nla\_len=8, nla\_type=IFLA\_GSO\_MAX\_SIZE}, 65536}, {{nla\_len=8, nla\_type=IFLA\_NUM\_RX\_QUEUES}, 1}, {{nla\_len=5, nla\_type=IFLA\_CARRIER}, 1}, {{nla\_len=12, nla\_type=IFLA\_QDISC}, "noqueue"}, {{nla\_len=8, nla\_type=IFLA\_CARRIER\_CHANGES}, 0}, {{nla\_len=8, nla\_type=IFLA\_CARRIER\_UP\_COUNT}, 0}, {{nla\_len=8, nla\_type=IFLA\_CARRIER\_DOWN\_COUNT}, 0}, {{nla\_len=5, nla\_type=IFLA\_PROTO\_DOWN}, 0}, {{nla\_len=36, nla\_type=IFLA\_MAP}, {mem\_start=0, mem\_end=0, base\_addr=0, irq=0, dma=0, port=0}}, {{nla\_len=10, nla\_type=IFLA\_ADDRESS}, "\x00\x00\x00\x00\x00\x00"}, {{nla\_len=10, nla\_type=IFLA\_BROADCAST}, "\x00\x00\x00\x00\x00\x00"}, {{nla\_len=196, nla\_type=IFLA\_STATS64}, {rx\_packets=1793, tx\_packets=1793, rx\_bytes=151519, tx\_bytes=151519, rx\_errors=0, tx\_errors=0, rx\_dropped=0, tx\_dropped=0, multicast=0, collisions=0, rx\_length\_errors=0, rx\_over\_errors=0, rx\_crc\_errors=0, rx\_frame\_errors=0, rx\_fifo\_errors=0, rx\_missed\_errors=0, tx\_aborted\_errors=0, tx\_carrier\_errors=0, tx\_fifo\_errors=0, tx\_heartbeat\_errors=0, tx\_window\_errors=0, rx\_compressed=0, tx\_compressed=0, rx\_nohandler=0}}, {{nla\_len=100, nla\_type=IFLA\_STATS}, {rx\_packets=1793, tx\_packets=1793, rx\_bytes=151519, tx\_bytes=151519, rx\_errors=0, tx\_errors=0, rx\_dropped=0, tx\_dropped=0, multicast=0, collisions=0, rx\_length\_errors=0, rx\_over\_errors=0, rx\_crc\_errors=0, rx\_frame\_errors=0, rx\_fifo\_errors=0, rx\_missed\_errors=0, tx\_aborted\_errors=0, tx\_carrier\_errors=0, tx\_fifo\_errors=0, tx\_heartbeat\_errors=0, tx\_window\_errors=0, rx\_compressed=0, tx\_compressed=0, rx\_nohandler=0}}, {{nla\_len=12, nla\_type=IFLA\_XDP}, {{nla\_len=5, nla\_type=IFLA\_XDP\_ATTACHED}, XDP\_ATTACHED\_NONE}}, {{nla\_len=768, nla\_type=IFLA\_AF\_SPEC}, [{{nla\_len=136, nla\_type=AF\_INET}, {{nla\_len=132, nla\_type=IFLA\_INET\_CONF}, [[IPV4\_DEVCONF\_FORWARDING-1] = 0, [IPV4\_DEVCONF\_MC\_FORWARDING-1] = 0, [IPV4\_DEVCONF\_PROXY\_ARP-1] = 0, [IPV4\_DEVCONF\_ACCEPT\_REDIRECTS-1] = 1, [IPV4\_DEVCONF\_SECURE\_REDIRECTS-1] = 1, [IPV4\_DEVCONF\_SEND\_REDIRECTS-1] = 1, [IPV4\_DEVCONF\_SHARED\_MEDIA-1] = 1, [IPV4\_DEVCONF\_RP\_FILTER-1] = 0, [IPV4\_DEVCONF\_ACCEPT\_SOURCE\_ROUTE-1] = 1, [IPV4\_DEVCONF\_BOOTP\_RELAY-1] = 0, [IPV4\_DEVCONF\_LOG\_MARTIANS-1] = 0, [IPV4\_DEVCONF\_TAG-1] = 0, [IPV4\_DEVCONF\_ARPFILTER-1] = 0, [IPV4\_DEVCONF\_MEDIUM\_ID-1] = 0, [IPV4\_DEVCONF\_NOXFRM-1] = 1, [IPV4\_DEVCONF\_NOPOLICY-1] = 1, [IPV4\_DEVCONF\_FORCE\_IGMP\_VERSION-1] = 0, [IPV4\_DEVCONF\_ARP\_ANNOUNCE-1] = 0, [IPV4\_DEVCONF\_ARP\_IGNORE-1] = 0, [IPV4\_DEVCONF\_PROMOTE\_SECONDARIES-1] = 1, [IPV4\_DEVCONF\_ARP\_ACCEPT-1] = 0, [IPV4\_DEVCONF\_ARP\_NOTIFY-1] = 0, [IPV4\_DEVCONF\_ACCEPT\_LOCAL-1] = 0, [IPV4\_DEVCONF\_SRC\_VMARK-1] = 0, [IPV4\_DEVCONF\_PROXY\_ARP\_PVLAN-1] = 0, [IPV4\_DEVCONF\_ROUTE\_LOCALNET-1] = 0, [IPV4\_DEVCONF\_IGMPV2\_UNSOLICITED\_REPORT\_INTERVAL-1] = 10000, [IPV4\_DEVCONF\_IGMPV3\_UNSOLICITED\_REPORT\_INTERVAL-1] = 1000, [IPV4\_DEVCONF\_IGNORE\_ROUTES\_WITH\_LINKDOWN-1] = 0, [IPV4\_DEVCONF\_DROP\_UNICAST\_IN\_L2\_MULTICAST-1] = 0, [IPV4\_DEVCONF\_DROP\_GRATUITOUS\_ARP-1] = 0, [IPV4\_DEVCONF\_BC\_FORWARDING-1] = 0]}}, {{nla\_len=628, nla\_type=AF\_INET6}, [{{nla\_len=8, nla\_type=IFLA\_INET6\_FLAGS}, IF\_READY}, {{nla\_len=20, nla\_type=IFLA\_INET6\_CACHEINFO}, {max\_reasm\_len=65535, tstamp=886, reachable\_time=37704, retrans\_time=1000}}, {{nla\_len=216, nla\_type=IFLA\_INET6\_CONF}, [[DEVCONF\_FORWARDING] = 0, [DEVCONF\_HOPLIMIT] = 64, [DEVCONF\_MTU6] = 65536, [DEVCONF\_ACCEPT\_RA] = 1, [DEVCONF\_ACCEPT\_REDIRECTS] = 1, [DEVCONF\_AUTOCONF] = 1, [DEVCONF\_DAD\_TRANSMITS] = 1, [DEVCONF\_RTR\_SOLICITS] = -1, [DEVCONF\_RTR\_SOLICIT\_INTERVAL] = 4000, [DEVCONF\_RTR\_SOLICIT\_DELAY] = 1000, [DEVCONF\_USE\_TEMPADDR] = -1, [DEVCONF\_TEMP\_VALID\_LFT] = 604800, [DEVCONF\_TEMP\_PREFERED\_LFT] = 86400, [DEVCONF\_REGEN\_MAX\_RETRY] = 3, [DEVCONF\_MAX\_DESYNC\_FACTOR] = 600, [DEVCONF\_MAX\_ADDRESSES] = 16, [DEVCONF\_FORCE\_MLD\_VERSION] = 0, [DEVCONF\_ACCEPT\_RA\_DEFRTR] = 1, [DEVCONF\_ACCEPT\_RA\_PINFO] = 1, [DEVCONF\_ACCEPT\_RA\_RTR\_PREF] = 1, [DEVCONF\_RTR\_PROBE\_INTERVAL] = 60000, [DEVCONF\_ACCEPT\_RA\_RT\_INFO\_MAX\_PLEN] = 0, [DEVCONF\_PROXY\_NDP] = 0, [DEVCONF\_OPTIMISTIC\_DAD] = 0, [DEVCONF\_ACCEPT\_SOURCE\_ROUTE] = 0, [DEVCONF\_MC\_FORWARDING] = 0, [DEVCONF\_DISABLE\_IPV6] = 0, [DEVCONF\_ACCEPT\_DAD] = -1, [DEVCONF\_FORCE\_TLLAO] = 0, [DEVCONF\_NDISC\_NOTIFY] = 0, [DEVCONF\_MLDV1\_UNSOLICITED\_REPORT\_INTERVAL] = 10000, [DEVCONF\_MLDV2\_UNSOLICITED\_REPORT\_INTERVAL] = 1000, ...]}, {{nla\_len=300, nla\_type=IFLA\_INET6\_STATS}, [[IPSTATS\_MIB\_NUM] = 37, [IPSTATS\_MIB\_INPKTS] = 4, [IPSTATS\_MIB\_INOCTETS] = 292, [IPSTATS\_MIB\_INDELIVERS] = 4, [IPSTATS\_MIB\_OUTFORWDATAGRAMS] = 0, [IPSTATS\_MIB\_OUTPKTS] = 4, [IPSTATS\_MIB\_OUTOCTETS] = 292, [IPSTATS\_MIB\_INHDRERRORS] = 0, [IPSTATS\_MIB\_INTOOBIGERRORS] = 0, [IPSTATS\_MIB\_INNOROUTES] = 0, [IPSTATS\_MIB\_INADDRERRORS] = 0, [IPSTATS\_MIB\_INUNKNOWNPROTOS] = 0, [IPSTATS\_MIB\_INTRUNCATEDPKTS] = 0, [IPSTATS\_MIB\_INDISCARDS] = 0, [IPSTATS\_MIB\_OUTDISCARDS] = 0, [IPSTATS\_MIB\_OUTNOROUTES] = 0, [IPSTATS\_MIB\_REASMTIMEOUT] = 0, [IPSTATS\_MIB\_REASMREQDS] = 0, [IPSTATS\_MIB\_REASMOKS] = 0, [IPSTATS\_MIB\_REASMFAILS] = 0, [IPSTATS\_MIB\_FRAGOKS] = 0, [IPSTATS\_MIB\_FRAGFAILS] = 0, [IPSTATS\_MIB\_FRAGCREATES] = 0, [IPSTATS\_MIB\_INMCASTPKTS] = 0, [IPSTATS\_MIB\_OUTMCASTPKTS] = 2, [IPSTATS\_MIB\_INBCASTPKTS] = 0, [IPSTATS\_MIB\_OUTBCASTPKTS] = 0, [IPSTATS\_MIB\_INMCASTOCTETS] = 0, [IPSTATS\_MIB\_OUTMCASTOCTETS] = 152, [IPSTATS\_MIB\_INBCASTOCTETS] = 0, [IPSTATS\_MIB\_OUTBCASTOCTETS] = 0, [IPSTATS\_MIB\_CSUMERRORS] = 0, ...]}, {{nla\_len=52, nla\_type=IFLA\_INET6\_ICMP6STATS}, [[ICMP6\_MIB\_NUM] = 6, [ICMP6\_MIB\_INMSGS] = 2, [ICMP6\_MIB\_INERRORS] = 0, [ICMP6\_MIB\_OUTMSGS] = 2, [ICMP6\_MIB\_OUTERRORS] = 0, [ICMP6\_MIB\_CSUMERRORS] = 0]}, {{nla\_len=20, nla\_type=IFLA\_INET6\_TOKEN}, inet\_pton(AF\_INET6, "::")}, {{nla\_len=5, nla\_type=IFLA\_INET6\_ADDR\_GEN\_MODE}, IN6\_ADDR\_GEN\_MODE\_EUI64}]}]}]}, {{len=1344, type=RTM\_NEWLINK, flags=NLM\_F\_MULTI, seq=1648280643, pid=4967}, {ifi\_family=AF\_UNSPEC, ifi\_type=ARPHRD\_ETHER, ifi\_index=if\_nametoindex("enp0s3"), ifi\_flags=IFF\_UP|IFF\_BROADCAST|IFF\_RUNNING|IFF\_MULTICAST|IFF\_LOWER\_UP, ifi\_change=0}, [{{nla\_len=11, nla\_type=IFLA\_IFNAME}, "enp0s3"}, {{nla\_len=8, nla\_type=IFLA\_TXQLEN}, 1000}, {{nla\_len=5, nla\_type=IFLA\_OPERSTATE}, 6}, {{nla\_len=5, nla\_type=IFLA\_LINKMODE}, 0}, {{nla\_len=8, nla\_type=IFLA\_MTU}, 1500}, {{nla\_len=8, nla\_type=IFLA\_MIN\_MTU}, 46}, {{nla\_len=8, nla\_type=IFLA\_MAX\_MTU}, 16110}, {{nla\_len=8, nla\_type=IFLA\_GROUP}, 0}, {{nla\_len=8, nla\_type=IFLA\_PROMISCUITY}, 0}, {{nla\_len=8, nla\_type=IFLA\_NUM\_TX\_QUEUES}, 1}, {{nla\_len=8, nla\_type=IFLA\_GSO\_MAX\_SEGS}, 65535}, {{nla\_len=8, nla\_type=IFLA\_GSO\_MAX\_SIZE}, 65536}, {{nla\_len=8, nla\_type=IFLA\_NUM\_RX\_QUEUES}, 1}, {{nla\_len=5, nla\_type=IFLA\_CARRIER}, 1}, {{nla\_len=13, nla\_type=IFLA\_QDISC}, "fq\_codel"}, {{nla\_len=8, nla\_type=IFLA\_CARRIER\_CHANGES}, 2}, {{nla\_len=8, nla\_type=IFLA\_CARRIER\_UP\_COUNT}, 1}, {{nla\_len=8, nla\_type=IFLA\_CARRIER\_DOWN\_COUNT}, 1}, {{nla\_len=5, nla\_type=IFLA\_PROTO\_DOWN}, 0}, {{nla\_len=36, nla\_type=IFLA\_MAP}, {mem\_start=0, mem\_end=0, base\_addr=0, irq=0, dma=0, port=0}}, {{nla\_len=10, nla\_type=IFLA\_ADDRESS}, "\x08\x00\x27\x54\xe5\x76"}, {{nla\_len=10, nla\_type=IFLA\_BROADCAST}, "\xff\xff\xff\xff\xff\xff"}, {{nla\_len=196, nla\_type=IFLA\_STATS64}, {rx\_packets=17911, tx\_packets=6518, rx\_bytes=20550095, tx\_bytes=1504818, rx\_errors=0, tx\_errors=0, rx\_dropped=0, tx\_dropped=0, multicast=0, collisions=0, rx\_length\_errors=0, rx\_over\_errors=0, rx\_crc\_errors=0, rx\_frame\_errors=0, rx\_fifo\_errors=0, rx\_missed\_errors=0, tx\_aborted\_errors=0, tx\_carrier\_errors=0, tx\_fifo\_errors=0, tx\_heartbeat\_errors=0, tx\_window\_errors=0, rx\_compressed=0, tx\_compressed=0, rx\_nohandler=0}}, {{nla\_len=100, nla\_type=IFLA\_STATS}, {rx\_packets=17911, tx\_packets=6518, rx\_bytes=20550095, tx\_bytes=1504818, rx\_errors=0, tx\_errors=0, rx\_dropped=0, tx\_dropped=0, multicast=0, collisions=0, rx\_length\_errors=0, rx\_over\_errors=0, rx\_crc\_errors=0, rx\_frame\_errors=0, rx\_fifo\_errors=0, rx\_missed\_errors=0, tx\_aborted\_errors=0, tx\_carrier\_errors=0, tx\_fifo\_errors=0, tx\_heartbeat\_errors=0, tx\_window\_errors=0, rx\_compressed=0, tx\_compressed=0, rx\_nohandler=0}}, {{nla\_len=12, nla\_type=IFLA\_XDP}, {{nla\_len=5, nla\_type=IFLA\_XDP\_ATTACHED}, XDP\_ATTACHED\_NONE}}, {{nla\_len=10, nla\_type=0x36 /\* IFLA\_??? \*/}, "\x08\x00\x27\x54\xe5\x76"}, {{nla\_len=768, nla\_type=IFLA\_AF\_SPEC}, [{{nla\_len=136, nla\_type=AF\_INET}, {{nla\_len=132, nla\_type=IFLA\_INET\_CONF}, [[IPV4\_DEVCONF\_FORWARDING-1] = 0, [IPV4\_DEVCONF\_MC\_FORWARDING-1] = 0, [IPV4\_DEVCONF\_PROXY\_ARP-1] = 0, [IPV4\_DEVCONF\_ACCEPT\_REDIRECTS-1] = 1, [IPV4\_DEVCONF\_SECURE\_REDIRECTS-1] = 1, [IPV4\_DEVCONF\_SEND\_REDIRECTS-1] = 1, [IPV4\_DEVCONF\_SHARED\_MEDIA-1] = 1, [IPV4\_DEVCONF\_RP\_FILTER-1] = 2, [IPV4\_DEVCONF\_ACCEPT\_SOURCE\_ROUTE-1] = 1, [IPV4\_DEVCONF\_BOOTP\_RELAY-1] = 0, [IPV4\_DEVCONF\_LOG\_MARTIANS-1] = 0, [IPV4\_DEVCONF\_TAG-1] = 0, [IPV4\_DEVCONF\_ARPFILTER-1] = 0, [IPV4\_DEVCONF\_MEDIUM\_ID-1] = 0, [IPV4\_DEVCONF\_NOXFRM-1] = 0, [IPV4\_DEVCONF\_NOPOLICY-1] = 0, [IPV4\_DEVCONF\_FORCE\_IGMP\_VERSION-1] = 0, [IPV4\_DEVCONF\_ARP\_ANNOUNCE-1] = 0, [IPV4\_DEVCONF\_ARP\_IGNORE-1] = 0, [IPV4\_DEVCONF\_PROMOTE\_SECONDARIES-1] = 1, [IPV4\_DEVCONF\_ARP\_ACCEPT-1] = 0, [IPV4\_DEVCONF\_ARP\_NOTIFY-1] = 0, [IPV4\_DEVCONF\_ACCEPT\_LOCAL-1] = 0, [IPV4\_DEVCONF\_SRC\_VMARK-1] = 0, [IPV4\_DEVCONF\_PROXY\_ARP\_PVLAN-1] = 0, [IPV4\_DEVCONF\_ROUTE\_LOCALNET-1] = 0, [IPV4\_DEVCONF\_IGMPV2\_UNSOLICITED\_REPORT\_INTERVAL-1] = 10000, [IPV4\_DEVCONF\_IGMPV3\_UNSOLICITED\_REPORT\_INTERVAL-1] = 1000, [IPV4\_DEVCONF\_IGNORE\_ROUTES\_WITH\_LINKDOWN-1] = 0, [IPV4\_DEVCONF\_DROP\_UNICAST\_IN\_L2\_MULTICAST-1] = 0, [IPV4\_DEVCONF\_DROP\_GRATUITOUS\_ARP-1] = 0, [IPV4\_DEVCONF\_BC\_FORWARDING-1] = 0]}}, {{nla\_len=628, nla\_type=AF\_INET6}, [{{nla\_len=8, nla\_type=IFLA\_INET6\_FLAGS}, IF\_READY}, {{nla\_len=20, nla\_type=IFLA\_INET6\_CACHEINFO}, {max\_reasm\_len=65535, tstamp=3672, reachable\_time=29388, retrans\_time=1000}}, {{nla\_len=216, nla\_type=IFLA\_INET6\_CONF}, [[DEVCONF\_FORWARDING] = 0, [DEVCONF\_HOPLIMIT] = 64, [DEVCONF\_MTU6] = 1500, [DEVCONF\_ACCEPT\_RA] = 0, [DEVCONF\_ACCEPT\_REDIRECTS] = 1, [DEVCONF\_AUTOCONF] = 1, [DEVCONF\_DAD\_TRANSMITS] = 1, [DEVCONF\_RTR\_SOLICITS] = -1, [DEVCONF\_RTR\_SOLICIT\_INTERVAL] = 4000, [DEVCONF\_RTR\_SOLICIT\_DELAY] = 1000, [DEVCONF\_USE\_TEMPADDR] = 2, [DEVCONF\_TEMP\_VALID\_LFT] = 604800, [DEVCONF\_TEMP\_PREFERED\_LFT] = 86400, [DEVCONF\_REGEN\_MAX\_RETRY] = 3, [DEVCONF\_MAX\_DESYNC\_FACTOR] = 600, [DEVCONF\_MAX\_ADDRESSES] = 16, [DEVCONF\_FORCE\_MLD\_VERSION] = 0, [DEVCONF\_ACCEPT\_RA\_DEFRTR] = 1, [DEVCONF\_ACCEPT\_RA\_PINFO] = 1, [DEVCONF\_ACCEPT\_RA\_RTR\_PREF] = 1, [DEVCONF\_RTR\_PROBE\_INTERVAL] = 60000, [DEVCONF\_ACCEPT\_RA\_RT\_INFO\_MAX\_PLEN] = 0, [DEVCONF\_PROXY\_NDP] = 0, [DEVCONF\_OPTIMISTIC\_DAD] = 0, [DEVCONF\_ACCEPT\_SOURCE\_ROUTE] = 0, [DEVCONF\_MC\_FORWARDING] = 0, [DEVCONF\_DISABLE\_IPV6] = 0, [DEVCONF\_ACCEPT\_DAD] = 1, [DEVCONF\_FORCE\_TLLAO] = 0, [DEVCONF\_NDISC\_NOTIFY] = 0, [DEVCONF\_MLDV1\_UNSOLICITED\_REPORT\_INTERVAL] = 10000, [DEVCONF\_MLDV2\_UNSOLICITED\_REPORT\_INTERVAL] = 1000, ...]}, {{nla\_len=300, nla\_type=IFLA\_INET6\_STATS}, [[IPSTATS\_MIB\_NUM] = 37, [IPSTATS\_MIB\_INPKTS] = 21, [IPSTATS\_MIB\_INOCTETS] = 1996, [IPSTATS\_MIB\_INDELIVERS] = 21, [IPSTATS\_MIB\_OUTFORWDATAGRAMS] = 0, [IPSTATS\_MIB\_OUTPKTS] = 31, [IPSTATS\_MIB\_OUTOCTETS] = 2788, [IPSTATS\_MIB\_INHDRERRORS] = 0, [IPSTATS\_MIB\_INTOOBIGERRORS] = 0, [IPSTATS\_MIB\_INNOROUTES] = 0, [IPSTATS\_MIB\_INADDRERRORS] = 0, [IPSTATS\_MIB\_INUNKNOWNPROTOS] = 0, [IPSTATS\_MIB\_INTRUNCATEDPKTS] = 0, [IPSTATS\_MIB\_INDISCARDS] = 0, [IPSTATS\_MIB\_OUTDISCARDS] = 0, [IPSTATS\_MIB\_OUTNOROUTES] = 0, [IPSTATS\_MIB\_REASMTIMEOUT] = 0, [IPSTATS\_MIB\_REASMREQDS] = 0, [IPSTATS\_MIB\_REASMOKS] = 0, [IPSTATS\_MIB\_REASMFAILS] = 0, [IPSTATS\_MIB\_FRAGOKS] = 0, [IPSTATS\_MIB\_FRAGFAILS] = 0, [IPSTATS\_MIB\_FRAGCREATES] = 0, [IPSTATS\_MIB\_INMCASTPKTS] = 21, [IPSTATS\_MIB\_OUTMCASTPKTS] = 31, [IPSTATS\_MIB\_INBCASTPKTS] = 0, [IPSTATS\_MIB\_OUTBCASTPKTS] = 0, [IPSTATS\_MIB\_INMCASTOCTETS] = 1996, [IPSTATS\_MIB\_OUTMCASTOCTETS] = 2788, [IPSTATS\_MIB\_INBCASTOCTETS] = 0, [IPSTATS\_MIB\_OUTBCASTOCTETS] = 0, [IPSTATS\_MIB\_CSUMERRORS] = 0, ...]}, {{nla\_len=52, nla\_type=IFLA\_INET6\_ICMP6STATS}, [[ICMP6\_MIB\_NUM] = 6, [ICMP6\_MIB\_INMSGS] = 0, [ICMP6\_MIB\_INERRORS] = 0, [ICMP6\_MIB\_OUTMSGS] = 10, [ICMP6\_MIB\_OUTERRORS] = 0, [ICMP6\_MIB\_CSUMERRORS] = 0]}, {{nla\_len=20, nla\_type=IFLA\_INET6\_TOKEN}, inet\_pton(AF\_INET6, "::")}, {{nla\_len=5, nla\_type=IFLA\_INET6\_ADDR\_GEN\_MODE}, IN6\_ADDR\_GEN\_MODE\_NONE}]}]}]}], iov\_len=4096}], msg\_iovlen=1, msg\_controllen=0, msg\_flags=0}, 0) = 2668 |
|  | recvmsg(9, {msg\_name={sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, msg\_namelen=12, msg\_iov=[{iov\_base={{len=20, type=NLMSG\_DONE, flags=NLM\_F\_MULTI, seq=1648280643, pid=4967}, 0}, iov\_len=4096}], msg\_iovlen=1, msg\_controllen=0, msg\_flags=0}, 0) = 20 |
|  | sendto(9, {{len=20, type=RTM\_GETADDR, flags=NLM\_F\_REQUEST|NLM\_F\_DUMP, seq=1648280644, pid=0}, {ifa\_family=AF\_UNSPEC, ...}}, 20, 0, {sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, 12) = 20 |
|  | recvmsg(9, {msg\_name={sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, msg\_namelen=12, msg\_iov=[{iov\_base=[{{len=76, type=RTM\_NEWADDR, flags=NLM\_F\_MULTI, seq=1648280644, pid=4967}, {ifa\_family=AF\_INET, ifa\_prefixlen=8, ifa\_flags=IFA\_F\_PERMANENT, ifa\_scope=RT\_SCOPE\_HOST, ifa\_index=if\_nametoindex("lo")}, [{{nla\_len=8, nla\_type=IFA\_ADDRESS}, inet\_addr("127.0.0.1")}, {{nla\_len=8, nla\_type=IFA\_LOCAL}, inet\_addr("127.0.0.1")}, {{nla\_len=7, nla\_type=IFA\_LABEL}, "lo"}, {{nla\_len=8, nla\_type=IFA\_FLAGS}, IFA\_F\_PERMANENT}, {{nla\_len=20, nla\_type=IFA\_CACHEINFO}, {ifa\_prefered=4294967295, ifa\_valid=4294967295, cstamp=886, tstamp=886}}]}, {{len=88, type=RTM\_NEWADDR, flags=NLM\_F\_MULTI, seq=1648280644, pid=4967}, {ifa\_family=AF\_INET, ifa\_prefixlen=24, ifa\_flags=0, ifa\_scope=RT\_SCOPE\_UNIVERSE, ifa\_index=if\_nametoindex("enp0s3")}, [{{nla\_len=8, nla\_type=IFA\_ADDRESS}, inet\_addr("10.0.2.15")}, {{nla\_len=8, nla\_type=IFA\_LOCAL}, inet\_addr("10.0.2.15")}, {{nla\_len=8, nla\_type=IFA\_BROADCAST}, inet\_addr("10.0.2.255")}, {{nla\_len=11, nla\_type=IFA\_LABEL}, "enp0s3"}, {{nla\_len=8, nla\_type=IFA\_FLAGS}, IFA\_F\_NOPREFIXROUTE}, {{nla\_len=20, nla\_type=IFA\_CACHEINFO}, {ifa\_prefered=80833, ifa\_valid=80833, cstamp=3688, tstamp=188721}}]}], iov\_len=4096}], msg\_iovlen=1, msg\_controllen=0, msg\_flags=0}, 0) = 164 |
|  | recvmsg(9, {msg\_name={sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, msg\_namelen=12, msg\_iov=[{iov\_base=[{{len=72, type=RTM\_NEWADDR, flags=NLM\_F\_MULTI, seq=1648280644, pid=4967}, {ifa\_family=AF\_INET6, ifa\_prefixlen=128, ifa\_flags=IFA\_F\_PERMANENT, ifa\_scope=RT\_SCOPE\_HOST, ifa\_index=if\_nametoindex("lo")}, [{{nla\_len=20, nla\_type=IFA\_ADDRESS}, inet\_pton(AF\_INET6, "::1")}, {{nla\_len=20, nla\_type=IFA\_CACHEINFO}, {ifa\_prefered=4294967295, ifa\_valid=4294967295, cstamp=886, tstamp=886}}, {{nla\_len=8, nla\_type=IFA\_FLAGS}, IFA\_F\_PERMANENT}]}, {{len=72, type=RTM\_NEWADDR, flags=NLM\_F\_MULTI, seq=1648280644, pid=4967}, {ifa\_family=AF\_INET6, ifa\_prefixlen=64, ifa\_flags=IFA\_F\_PERMANENT, ifa\_scope=RT\_SCOPE\_LINK, ifa\_index=if\_nametoindex("enp0s3")}, [{{nla\_len=20, nla\_type=IFA\_ADDRESS}, inet\_pton(AF\_INET6, "fe80::bcb3:688:1bd1:6e2d")}, {{nla\_len=20, nla\_type=IFA\_CACHEINFO}, {ifa\_prefered=4294967295, ifa\_valid=4294967295, cstamp=3680, tstamp=3881}}, {{nla\_len=8, nla\_type=IFA\_FLAGS}, IFA\_F\_PERMANENT|IFA\_F\_NOPREFIXROUTE}]}], iov\_len=4096}], msg\_iovlen=1, msg\_controllen=0, msg\_flags=0}, 0) = 144 |
|  | recvmsg(9, {msg\_name={sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, msg\_namelen=12, msg\_iov=[{iov\_base={{len=20, type=NLMSG\_DONE, flags=NLM\_F\_MULTI, seq=1648280644, pid=4967}, 0}, iov\_len=4096}], msg\_iovlen=1, msg\_controllen=0, msg\_flags=0}, 0) = 20 |
|  | close(9) = 0 |
|  | socket(AF\_INET, SOCK\_STREAM|SOCK\_CLOEXEC, IPPROTO\_TCP) = 9 |
|  | setsockopt(9, SOL\_SOCKET, SO\_REUSEADDR, [1], 4) = 0 |
|  | bind(9, {sa\_family=AF\_INET, sin\_port=htons(3002), sin\_addr=inet\_addr("127.0.0.1")}, 16) = 0 |
|  | listen(9, 100) = 0 |
|  | getsockname(9, {sa\_family=AF\_INET, sin\_port=htons(3002), sin\_addr=inet\_addr("127.0.0.1")}, [128->16]) = 0 |
|  | getsockname(9, {sa\_family=AF\_INET, sin\_port=htons(3002), sin\_addr=inet\_addr("127.0.0.1")}, [128->16]) = 0 |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | write(8, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | clone(child\_stack=NULL, flags=CLONE\_CHILD\_CLEARTID|CLONE\_CHILD\_SETTID|SIGCHLD, child\_tidptr=0x7f45d970d8d0) = 4971 |
|  | poll([{fd=8, events=POLLIN}], 1, 3000) = 1 ([{fd=8, revents=POLLIN}]) |
|  | read(8, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | poll([{fd=8, events=POLLIN}], 1, 3000) = 1 ([{fd=8, revents=POLLIN}]) |
|  | read(8, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | poll([{fd=8, events=POLLIN}], 1, 2995) = 1 ([{fd=8, revents=POLLIN}]) |
|  | read(8, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | poll([{fd=8, events=POLLIN}], 1, 2995) = 1 ([{fd=8, revents=POLLIN}]) |
|  | read(8, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | write(1, "OK: 4971\n", 9) = 9 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, "create 1\n", 1024) = 9 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 3000) = 1 ([{fd=8, revents=POLLIN}]) |
|  | read(8, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | poll([{fd=8, events=POLLIN}], 1, 3000) = 1 ([{fd=8, revents=POLLIN}]) |
|  | read(8, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(1, "OK: 4978\n", 9) = 9 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, "create 4\n", 1024) = 9 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 3000) = 1 ([{fd=8, revents=POLLIN}]) |
|  | read(8, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(1, "OK: 4985\n", 9) = 9 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, "create 3\n", 1024) = 9 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 3000) = 1 ([{fd=8, revents=POLLIN}]) |
|  | read(8, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(1, "OK: 4992\n", 9) = 9 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, "create 5\n", 1024) = 9 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 3000) = 1 ([{fd=8, revents=POLLIN}]) |
|  | read(8, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(1, "OK: 4999\n", 9) = 9 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, "exec 5 start\n", 1024) = 13 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 3000) = 1 ([{fd=8, revents=POLLIN}]) |
|  | read(8, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(1, "OK:5: 0\n", 8) = 8 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, "exec 2 start\n", 1024) = 13 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | write(1, "OK:2: 0\n", 8) = 8 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, "exec 2 stop\n", 1024) = 12 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | write(1, "OK:2\n", 5) = 5 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, "exec 5 stop\n", 1024) = 12 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 3000) = 1 ([{fd=8, revents=POLLIN}]) |
|  | read(8, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(1, "OK:5\n", 5) = 5 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, "exec 2 time\n", 1024) = 12 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | write(1, "OK:2: 6128\n", 11) = 11 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, "exec 3 time\n", 1024) = 12 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | write(1, "OK:3: 0\n", 8) = 8 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, "kill 4\n", 1024) = 7 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | write(1, "Ok: 4\n", 6) = 6 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, "exec 5 start\n", 1024) = 13 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | write(1, "Error:id: Not found\n", 20) = 20 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, "create 2\n", 1024) = 9 |
|  | poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout) |
|  | write(6, "\1\0\0\0\0\0\0\0", 8) = 8 |
|  | write(1, "Error: Already exists\n", 22) = 22 |
|  | write(1, "Enter command\n", 14) = 14 |
|  | read(0, 0x55e0da7f99b0, 1024) = ? ERESTARTSYS (To be restarted if SA\_RESTART is set) |
|  | --- SIGINT {si\_signo=SIGINT, si\_code=SI\_KERNEL} --- |
|  | +++ killed by SIGINT +++ |

**Вывод**

Я познакомился с работой утилиты strace, часто пользовался флагом –f, который позволяет следить за всеми процессами, это очень помогает при работе с синхронизацией процессов. Также утилита может быть дополнением к отладчику, чтобы следить не только за изменением переменных, но и за системными вызовами. Уверен, эта утилита ещё не раз пригодится мне в учёбе.