Московский Авиационный Институт (Национальный Исследовательский Университет)

Факультет информационных технологий и прикладной математики Кафедра вычислительной математики и программирования

Лабораторная работа №6 по курсу «Операционные системы» III Семестр

Вариант 29

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1. Постановка задачи. Вариант 29.

Реализовать распределенную систему по асинхронной обработке запросов. В данной распределенной системе должно существовать 2 вида узлов: «управляющий» и «вычислительный». Необходимо объединить данные узлы в соответствии с той топологией, которая определена вариантом. Связь между узлами необходимо осуществить при помощи технологии очередей сообщений. Также в данной системе необходимо предусмотреть проверку доступности узлов в соответствии с вариантом. При убийстве («kill -9») любого вычислительного узла система должна пытаться максимально сохранять свою работоспособность, а именно все дочерние узлы убитого узла могут стать недоступными, родительские **У**ЗЛЫ должны сохранить НО работоспособность. Управляющий узел отвечает за ввод команд от пользователя и отправку этих команд на вычислительные узлы. Список основных поддерживаемых команд:

- Создание нового вычислительного узла
- Удаление существующего вычислительного узла
- Исполнение команды на вычислительном узле

Вариант 29: топология — бинарное дерево, команда — словарь, проверка доступности — ping id.

2. Метод решения.

Используемые методы и системные вызовы для выполнения работы:

context_t::context_t(int io_threads)	Сопоставляется с функцией zmq_init (), как описано в zmq_init(3).
<pre>socket_t::socket_t(context_t &context,</pre>	Сопоставляется с функцией zmq_socket
int type)	(), как описано в zmq_socket(3).
Void *7md init (int io threads):	Функция zmq_init () инициализирует
	контекст ØMQ.
<pre>void *zmq_socket (void *context, int</pre>	Создать сокет ØMQ
type);	
int zmq_setsockopt (void *socket, int	
option_name, const void *option_value,	Установить параметры сокета ØMQ
size_t option_len);	
	Функция zmq_bind () создает конечную
int zmq_bind (void *socket, const char	точку для приема соединений и
*endpoint);	привязывает ее к сокету, на который
	ссылается аргумент socket.
int execv(const char *path, char *const	Семейство функций ехес () заменяет
argv[]);	текущий образ процесса новым образом

	TROMOGOS
	процесса.
	Функция тетсру() копирует п байтов из
	области памяти src в область памяти dest.
	Области памяти не могут пересекаться.
	Используйте memmove(3), если области
	памяти перекрываются.
<pre>int kill(pid_t pid, int sig);</pre>	kill - посылает сигнал процессу:
сигнал SIGTERM	запрашивает остановку работы процесса.
	Он может быть проигнорирован.
	Процессу дается время на корректное
	завершение. Если программа
	завершается корректно, значит она
	использовала данное время на то, чтобы
	сохранить свое состояние или результаты
	работы и освободить ресурсы. Другими
	словами, ее не заставляли остановиться.
	заставляет процесс прекратить работу
	немедленно. Программа не может
	проигнорировать этот сигнал.
	Несохраненные результаты будут
	потеряны.
<pre>int zmq_recv (void *socket, zmq_msg_t *msg, int flags);</pre>	Функция zmq_recv () должна получить
	сообщение от сокета, на который
	ссылается аргумент socket, и сохранить
	его в сообщении, на которое ссылается
	аргумент msg.

Программа состоит из двух файлов, представляющих управляющий и вычислительные узлы, а также из двух библиотек: первая, server.hpp, описывает взаимодействие между узлами; вторая, tree.hpp, описывает бинарное дерево.

Работа программы обуславливается следующей логистикой: управляющий узел обрабатывает поступающие запросы, после чего пересылает их дочерним узлам (или выводит сообщение об ошибке). Затем по мере получения команды дочерними узлами, они посылают ее дальше в один из низлежащих узлов, из которого затем возвращается сообщение об ошибке или успехе, которое потом посылается вверх по дереву.

Проверка узлов на доступность зиждется на топологии дерева: удаление определенной ноды влечет рекурсивное уничтожение ее детей. Если же узел оказался недоступен, то по истечении времени (SNDTIMEO) будет получено сообщение о его состоянии, которое затем отправится вверх по дереву до самого управляющего узла.

3. Тестирование

Тест №1: проверка общей работоспособности программы, всех операций. leoub@leoub-VirtualBox:~/MEGAsync/ver_src6_final\$./main

> create 1

OK:91521

> create 2

OK:91525

> create 3

OK:91529

> pingall

Received nodes: 1 2 3

Nodes list: 1 2 3

> remove 2

OK

> pingall

Received nodes: 1

Nodes list: 1

> ping 1

OK:1

> ping 2

Error: Not found

> exec 1 + test 1

OK:1

> exec 1 ? test

OK:1: 1

> remove 1

OK

> ping 1

Error: Not found

> pingall

Error: Tree is empty

> exit

Тест №2: удаление большого кол-ва последовательных узлов.

leoub@leoub-VirtualBox:~/MEGAsync/ver_src6_final\$./main

> create 1

OK:91547

> create 2

OK:91552

> create 3

OK:91556

> create 4

OK:91560

> create 5 OK:91564

\ . . . C

> create 6

OK:91568

> pingall

Received nodes: 1 2 3 4 5 6

Nodes list: 1 2 3 4 5 6 > remove 3 OK > pingall Received nodes: 1 2 Nodes list: 12 > ping 3 Error: Not found > ping 2 OK:1 > exit Тест №3: удаление корня. leoub@leoub-VirtualBox:~/MEGAsync/ver_src6_final\$./main > create 1 OK:91658 > ping 1 OK:1 > remove 1 OK > ping 1 Error: Not found > pingall Error: Tree is empty > exit strace: 92330 execve("./main", ["./main"], 0x7ffe6bbc8458 /* 61 vars */) = 0 92330 brk(NULL) = 0x560e86da600092330 arch prctl(0x3001 /* ARCH ??? */, 0x7ffd876656b0) = -1 EINVAL (Invalid argument) 92330 access("/etc/ld.so.preload", R_OK) = -1 ENOENT (No such file or directory) 92330 openat(AT FDCWD, "/etc/ld.so.cache", O RDONLY|O CLOEXEC) = 3 92330 fstat(3, {st mode=S IFREG|0644, st size=68833, ...}) = 0 92330 mmap(NULL, 68833, PROT READ, MAP PRIVATE, 3, 0) = 0x7fe704b01000 92330 close(3) 92330 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libzmq.so.5", O_RDONLY|O_CLOEXEC) = 3 92330 fstat(3, {st_mode=S_IFREG|0644, st_size=675776, ...}) = 0 92330 mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0x7fe704aff000 92330 mmap(NULL, 678128, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7fe704a59000 92330 mmap(0x7fe704a6f000, 430080, PROT READ|PROT EXEC, MAP PRIVATE|MAP FIXED| MAP DENYWRITE, 3, 0x16000) = 0x7fe704a6f00092330 mmap(0x7fe704ad8000, 126976, PROT READ, MAP PRIVATE|MAP FIXED|MAP DENYWRITE, 3, 0x7f000) = 0x7fe704ad800092330 mmap(0x7fe704af7000, 32768, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED| MAP DENYWRITE, 3, 0x9d000) = 0x7fe704af700092330 close(3) = 092330 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libstdc++,so.6", O RDONLY|O CLOEXEC) = 3 92330 read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\0\0\0\0\0\0\40\341\t\0\0\0\0\0\0\"..., 832) = 832 92330 fstat(3, {st mode=S IFREG|0644, st size=1952928, ...}) = 092330 mmap(NULL, 1968128, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7fe704878000 92330 mprotect(0x7fe70490e000, 1286144, PROT NONE) = 0 92330 mmap(0x7fe70490e000, 983040, PROT READ|PROT EXEC, MAP PRIVATE|MAP FIXED| MAP_DENYWRITE, 3, 0x96000) = 0x7fe70490e000

92330 mmap(0x7fe7049fe000, 299008, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,

0x186000) = 0x7fe7049fe000

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92330 mmap(0x7fe704a48000, 57344, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x1cf000) = 0x7fe704a48000
92330 mmap(0x7fe704a56000, 10240, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_ANONYMOUS, -1, 0) = 0x7fe704a56000
92330 close(3)
                      = 0
92330 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libgcc s.so.1", O RDONLY|O CLOEXEC) = 3
92330 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0\3405\0\0\0\0\0\0\0\0".... 832) = 832
92330 fstat(3, {st mode=S IFREG|0644, st size=104984, ...}) = 0
92330 mmap(NULL, 107592, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7fe70485d000
92330 mmap(0x7fe704860000, 73728, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x3000) = 0x7fe704860000
92330 mmap(0x7fe704872000, 16384, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x15000) = 0x7fe704872000
92330 mmap(0x7fe704876000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x18000) = 0x7fe704876000
92330 close(3)
92330 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libc.so.6", O RDONLY|O CLOEXEC) = 3
92330 pread64(3, "\4\0\0\0\24\0\0\0\\3\0\\0\GNU\0\36\\377?\332\200\270\27\304d\245n\355Y\377\t\334"..., 68, 880) =
92330 fstat(3, {st mode=S IFREG|0755, st size=2029224, ...}) = 0
92330 pread64(3, "\4\0\0\0\20\0\0\0\5\0\0\GNU\0\2\0\0\300\4\0\0\0\0\0\0\0\0\0\0\". 32, 848) = 32
92330 pread64(3, "\4\0\0\0\24\0\0\0\\3\0\\0GNU\0\36\\377?\332\200\270\27\304d\245n\355Y\377\t\334"..., 68, 880) =
92330 mmap(NULL, 2036952, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7fe70466b000
92330 mprotect(0x7fe704690000, 1847296, PROT_NONE) = 0
92330 mmap(0x7fe704690000, 1540096, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x25000) = 0x7fe704690000
92330 mmap(0x7fe704808000, 303104, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x19d000) = 0x7fe704808000
92330 mmap(0x7fe704853000, 24576, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE. 3. 0x1e7000) = 0x7fe704853000
92330 mmap(0x7fe704859000, 13528, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP ANONYMOUS, -1, 0) = 0x7fe704859000
                      = 0
92330 close(3)
92330 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libsodium.so.23", O_RDONLY|O_CLOEXEC) = 3
92330 fstat(3, {st mode=S IFREG|0644, st size=355016, ...}) = 0
92330 mmap(NULL, 357384, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7fe704613000
92330 mmap(0x7fe70461f000, 229376, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0xc000) = 0x7fe70461f000
92330 mmap(0x7fe704657000, 73728, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x44000) = 0x7fe704657000
92330 mmap(0x7fe704669000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x55000) = 0x7fe704669000
                      = 0
92330 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libpgm-5.2.so.0", O RDONLY|O CLOEXEC) = 3
92330 fstat(3, {st mode=S IFREG|0644, st size=302056, ...}) = 0
92330 mmap(NULL, 321584, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7fe7045c4000
92330 mmap(0x7fe7045c8000, 163840, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x4000) = 0x7fe7045c8000
92330 mmap(0x7fe7045f0000, 118784, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x2c000) = 0x7fe7045f0000
92330 mmap(0x7fe70460d000, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x48000) = 0x7fe70460d000
92330 mmap(0x7fe70460f000, 14384, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_ANONYMOUS, -1, 0) = 0x7fe70460f000
92330 close(3)
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92330 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libnorm.so.1", O_RDONLY|O_CLOEXEC) = 3

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92330 fstat(3, {st_mode=S_IFREG|0644, st_size=690344, ...}) = 0
92330 mmap(NULL, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP ANONYMOUS, -1, 0) =
0x7fe7045c2000
92330 mmap(NULL, 1420000, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7fe704467000
92330 mmap(0x7fe704471000, 421888, PROT READ|PROT EXEC, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0xa000) = 0x7fe704471000
92330 mmap(0x7fe7044d8000, 217088, PROT READ, MAP PRIVATE|MAP FIXED|MAP DENYWRITE, 3,
0x71000) = 0x7fe7044d8000
92330 mmap(0x7fe70450d000, 16384, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0xa5000) = 0x7fe70450d000
92330 mmap(0x7fe704511000, 723680, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP_ANONYMOUS, -1, 0) = 0x7fe704511000
92330 close(3)
92330 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libgssapi krb5.so.2", O RDONLY|O CLOEXEC) = 3
92330 fstat(3, {st mode=S IFREG|0644, st size=309712, ...}) = 0
92330 mmap(NULL, 312128, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7fe70441a000
92330 mmap(0x7fe704425000, 204800, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0xb000) = 0x7fe704425000
92330 mmap(0x7fe704457000, 49152, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x3d000) = 0x7fe704457000
92330 mmap(0x7fe704463000, 16384, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x48000) = 0x7fe704463000
92330 close(3)
92330 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libpthread.so.0", O_RDONLY|O_CLOEXEC) = 3
92330 pread64(3, "\4\0\0\0\24\0\0\0\\0\0\0\0\0\NU\0O\305\3743\364B\2216\244\224\306@\261\23\3270"..., 68, 824) =
92330 fstat(3, {st_mode=S_IFREG|0755, st_size=157224, ...}) = 0
92330 mmap(NULL, 140408, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7fe7043f7000
92330 mmap(0x7fe7043fe000, 69632, PROT READ|PROT EXEC, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x7000) = 0x7fe7043fe000
92330 mmap(0x7fe70440f000, 20480, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x18000) = 0x7fe70440f000
92330 mmap(0x7fe704414000, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x1c000) = 0x7fe704414000
92330 mmap(0x7fe704416000, 13432, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_ANONYMOUS, -1, 0) = 0x7fe704416000
92330 close(3)
92330 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libm.so.6", O RDONLY|O CLOEXEC) = 3
92330 fstat(3, {st_mode=S_IFREG|0644, st_size=1369352, ...}) = 0
92330 mmap(NULL, 1368336, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7fe7042a8000
92330 mmap(0x7fe7042b7000, 684032, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0xf000) = 0x7fe7042b7000
92330 mmap(0x7fe70435e000, 618496, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0xb6000) = 0x7fe70435e000
92330 mmap(0x7fe7043f5000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x14c000) = 0x7fe7043f5000
92330 close(3)
                      = 0
92330 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libkrb5.so.3", O_RDONLY|O_CLOEXEC) = 3
92330 fstat(3, {st_mode=S_IFREG|0644, st_size=902016, ...}) = 0
92330 mmap(NULL, 904640, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7fe7041cb000
92330 mprotect(0x7fe7041ed000, 700416, PROT NONE) = 0
92330 mmap(0x7fe7041ed000, 397312, PROT READ|PROT EXEC, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x22000) = 0x7fe7041ed000
92330 mmap(0x7fe70424e000, 299008, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x83000) = 0x7fe70424e000
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92330 mmap(0x7fe704298000, 65536, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_DENYWRITE, 3, 0xcc000) = 0x7fe704298000
92330 close(3)
                      = 0
92330 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libk5crypto.so.3", O_RDONLY|O_CLOEXEC) = 3
92330 fstat(3, {st mode=S IFREG|0644, st size=191040, ...}) = 0
92330 mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7fe7041c9000
92330 mmap(NULL, 196696, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7fe704198000
92330 mprotect(0x7fe70419c000, 172032, PROT NONE) = 0
92330 mmap(0x7fe70419c000, 114688, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x4000) = 0x7fe70419c000
92330 mmap(0x7fe7041b8000, 53248, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x20000) = 0x7fe7041b8000
92330 mmap(0x7fe7041c6000, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x2d000) = 0x7fe7041c6000
92330 mmap(0x7fe7041c8000, 88, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_ANONYMOUS, -1, 0) = 0x7fe7041c8000
92330 close(3)
92330 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libcom err.so.2", O RDONLY|O CLOEXEC) = 3
92330 fstat(3, {st_mode=S_IFREG|0644, st_size=22600, ...}) = 0
92330 mmap(NULL, 24744, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7fe704191000
92330 mmap(0x7fe704193000, 8192, PROT READ|PROT EXEC, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x2000) = 0x7fe704193000
92330 mmap(0x7fe704195000, 4096, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x4000)
= 0x7fe704195000
92330 mmap(0x7fe704196000, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_DENYWRITE, 3, 0x4000) = 0x7fe704196000
92330 close(3)
                      = 0
92330 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libkrb5support.so.0", O_RDONLY|O_CLOEXEC) = 3
92330 fstat(3, {st mode=S IFREG|0644, st size=56096, ...}) = 0
92330 mmap(NULL, 58344, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7fe704182000
92330 mmap(0x7fe704185000, 28672, PROT READ|PROT EXEC, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x3000) = 0x7fe704185000
92330 mmap(0x7fe70418c000, 12288, PROT READ, MAP PRIVATE|MAP FIXED|MAP DENYWRITE, 3, 0xa000)
= 0x7fe70418c000
92330 mmap(0x7fe70418f000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0xc000) = 0x7fe70418f000
92330 close(3)
                      = 0
92330 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libkeyutils.so.1", O RDONLY|O CLOEXEC) = 3
92330 fstat(3, {st_mode=S_IFREG|0644, st_size=22600, ...}) = 0
92330 mmap(NULL, 24592, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7fe70417b000
92330 mmap(0x7fe70417d000, 8192, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x2000) = 0x7fe70417d000
92330 mmap(0x7fe70417f000, 4096, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x4000)
= 0x7fe70417f000
92330 mmap(0x7fe704180000, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_DENYWRITE, 3, 0x4000) = 0x7fe704180000
92330 close(3)
92330 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libresolv.so.2", O_RDONLY|O_CLOEXEC) = 3
92330 fstat(3, {st mode=S IFREG|0644, st size=101320, ...}) = 0
92330 mmap(NULL, 113280, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7fe70415f000
92330 mprotect(0x7fe704163000, 81920, PROT NONE) = 0
92330 mmap(0x7fe704163000, 65536, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x4000) = 0x7fe704163000
92330 mmap(0x7fe704173000, 12288, PROT READ, MAP PRIVATE|MAP FIXED|MAP DENYWRITE, 3,
0x14000) = 0x7fe704173000
92330 mmap(0x7fe704177000, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_DENYWRITE, 3, 0x17000) = 0x7fe704177000
```

```
92330 mmap(0x7fe704179000, 6784, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_ANONYMOUS, -1, 0) = 0x7fe704179000
92330 close(3)
                         = 0
92330 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libdl.so.2", O_RDONLY|O_CLOEXEC) = 3
92330 fstat(3, {st mode=S IFREG|0644, st size=18816, ...}) = 0
92330 mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7fe70415d000
92330 mmap(NULL, 20752, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7fe704157000
92330 mmap(0x7fe704158000, 8192, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x1000) = 0x7fe704158000
92330 mmap(0x7fe70415a000, 4096, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x3000)
= 0x7fe70415a000
92330 mmap(0x7fe70415b000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x3000) = 0x7fe70415b000
92330 close(3)
92330 mmap(NULL, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP ANONYMOUS, -1, 0) =
0x7fe704155000
92330 mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7fe704153000
92330 arch_prctl(ARCH_SET_FS, 0x7fe704156600) = 0
92330 mprotect(0x7fe704853000, 12288, PROT_READ) = 0
92330 mprotect(0x7fe70415b000, 4096, PROT READ) = 0
92330 mprotect(0x7fe704177000, 4096, PROT READ) = 0
92330 mprotect(0x7fe704180000, 4096, PROT READ) = 0
92330 mprotect(0x7fe70418f000, 4096, PROT READ) = 0
92330 mprotect(0x7fe704414000, 4096, PROT_READ) = 0
92330 mprotect(0x7fe704196000, 4096, PROT_READ) = 0
92330 mprotect(0x7fe7041c6000, 4096, PROT_READ) = 0
92330 mprotect(0x7fe704298000, 57344, PROT READ) = 0
92330 mprotect(0x7fe7043f5000, 4096, PROT_READ) = 0
92330 mprotect(0x7fe704463000, 8192, PROT_READ) = 0
92330 mprotect(0x7fe704876000, 4096, PROT READ) = 0
92330 mprotect(0x7fe704a48000, 45056, PROT READ) = 0
92330 mprotect(0x7fe70450d000, 12288, PROT READ) = 0
92330 mprotect(0x7fe70460d000, 4096, PROT_READ) = 0
92330 mprotect(0x7fe704669000, 4096, PROT READ) = 0
92330 mprotect(0x7fe704af7000, 28672, PROT READ) = 0
92330 mprotect(0x560e86402000, 4096, PROT READ) = 0
92330 mprotect(0x7fe704b3f000, 4096, PROT READ) = 0
92330 munmap(0x7fe704b01000, 68833) = 0
92330 set tid address(0x7fe7041568d0) = 92330
92330 set robust list(0x7fe7041568e0, 24) = 0
92330 rt_sigaction(SIGRTMIN, {sa_handler=0x7fe7043febf0, sa_mask=[], sa_flags=SA_RESTORER|SA_SIGINFO,
sa_restorer=0x7fe70440c3c0}, NULL, 8) = 0
92330 rt_sigaction(SIGRT_1, {sa_handler=0x7fe7043fec90, sa_mask=[], sa_flags=SA_RESTORER|SA_RESTART|
SA SIGINFO, sa restorer=0x7fe70440c3c0}, NULL, 8) = 0
92330 rt_sigprocmask(SIG_UNBLOCK, [RTMIN RT_1], NULL, 8) = 0
92330 prlimit64(0, RLIMIT_STACK, NULL, {rlim_cur=8192*1024, rlim_max=RLIM64_INFINITY}) = 0
92330 brk(NULL)
                            = 0x560e86da6000
92330 brk(0x560e86dc7000)
                               = 0x560e86dc7000
92330 futex(0x7fe704a566bc, FUTEX_WAKE_PRIVATE, 2147483647) = 0
92330 futex(0x7fe704a566c8, FUTEX_WAKE_PRIVATE, 2147483647) = 0
92330 openat(AT_FDCWD, "/sys/devices/system/cpu/online", O_RDONLY|O_CLOEXEC) = 3
92330 read(3, "0\n", 8192)
                             = 2
92330 close(3)
                         = 0
92330 openat(AT FDCWD, "/sys/devices/system/cpu", O RDONLY|O NONBLOCK|O CLOEXEC|
O DIRECTORY) = 3
92330 fstat(3, {st mode=S IFDIR|0755, st size=0, ...}) = 0
92330 getdents64(3, /* 17 entries */, 32768) = 520
92330 getdents64(3, /* 0 entries */, 32768) = 0
92330 close(3)
92330 getpid()
                         = 92330
```

```
92330 sched getaffinity(92330, 128, [0]) = 8
92330 openat(AT_FDCWD, "/etc/nsswitch.conf", O_RDONLY|O_CLOEXEC) = 3
92330 fstat(3, {st mode=S IFREG|0644, st size=542, ...}) = 0
92330 read(3, "# /etc/nsswitch.conf\n#\n# Example"..., 4096) = 542
92330 read(3, "", 4096)
                               = 0
92330 close(3)
                            = 0
92330 openat(AT FDCWD, "/etc/ld.so.cache", O RDONLY|O CLOEXEC) = 3
92330 fstat(3, {st mode=S IFREG|0644, st size=68833, ...}) = 0
92330 mmap(NULL, 68833, PROT_READ, MAP_PRIVATE, 3, 0) = 0x7fe704b01000
92330 close(3)
                            = 0
92330 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)
92330 stat("/lib/x86 64-linux-gnu/tls/x86 64/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 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)
92330 stat("/lib/x86 64-linux-gnu/tls/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 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)
92330 stat("/lib/x86 64-linux-gnu/tls/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT FDCWD, "/lib/x86 64-linux-gnu/tls/libnss db.so.2", O RDONLY|O CLOEXEC) = -1 ENOENT
(No such file or directory)
92330 stat("/lib/x86_64-linux-gnu/tls", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 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)
92330 stat("/lib/x86 64-linux-gnu/x86 64/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 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)
92330 stat("/lib/x86_64-linux-gnu/x86_64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 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)
92330 stat("/lib/x86_64-linux-gnu/x86_64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No
such file or directory)
92330 stat("/lib/x86 64-linux-gnu", {st mode=S IFDIR|0755, st size=69632, ...}) = 0
92330 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)
92330 stat("/usr/lib/x86 64-linux-gnu/tls/x86 64/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 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)
92330 stat("/usr/lib/x86 64-linux-gnu/tls/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 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)
92330 stat("/usr/lib/x86 64-linux-gnu/tls/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 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)
92330 stat("/usr/lib/x86_64-linux-gnu/tls", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 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)
92330 stat("/usr/lib/x86_64-linux-gnu/x86_64/x86_64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 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)
92330 stat("/usr/lib/x86 64-linux-gnu/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 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)
92330 stat("/usr/lib/x86 64-linux-gnu/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT_FDCWD, "/usr/lib/x86_64-linux-gnu/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT
(No such file or directory)
92330 stat("/usr/lib/x86 64-linux-gnu", {st mode=S IFDIR|0755, st size=69632, ...}) = 0
92330 openat(AT FDCWD, "/lib/tls/x86 64/x86 64/libnss db.so.2", O RDONLY|O CLOEXEC) = -1 ENOENT (No
such file or directory)
92330 stat("/lib/tls/x86 64/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT_FDCWD, "/lib/tls/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file
or directory)
```

```
92330 stat("/lib/tls/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT_FDCWD, "/lib/tls/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file
or directory)
92330 stat("/lib/tls/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT FDCWD, "/lib/tls/libnss db.so.2", O RDONLY|O CLOEXEC) = -1 ENOENT (No such file or
directory)
92330 stat("/lib/tls", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT FDCWD, "/lib/x86 64/x86 64/libnss db.so.2", O RDONLY|O CLOEXEC) = -1 ENOENT (No
such file or directory)
92330 stat("/lib/x86 64/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT_FDCWD, "/lib/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or
directory)
92330 stat("/lib/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT_FDCWD, "/lib/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or
92330 stat("/lib/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT FDCWD, "/lib/libnss db.so.2", O RDONLY|O CLOEXEC) = -1 ENOENT (No such file or
directory)
92330 stat("/lib", {st_mode=S_IFDIR|0755, st_size=4096, ...}) = 0
92330 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)
92330 stat("/usr/lib/tls/x86_64/x86_64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT FDCWD, "/usr/lib/tls/x86 64/libnss db.so.2", O RDONLY|O CLOEXEC) = -1 ENOENT (No such
file or directory)
92330 stat("/usr/lib/tls/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT_FDCWD, "/usr/lib/tls/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such
file or directory)
92330 stat("/usr/lib/tls/x86_64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT_FDCWD, "/usr/lib/tls/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or
92330 stat("/usr/lib/tls", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT_FDCWD, "/usr/lib/x86_64/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No
such file or directory)
92330 stat("/usr/lib/x86 64/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT FDCWD, "/usr/lib/x86 64/libnss db.so.2", O RDONLY|O CLOEXEC) = -1 ENOENT (No such
file or directory)
92330 stat("/usr/lib/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT FDCWD, "/usr/lib/x86 64/libnss db.so.2", O RDONLY|O CLOEXEC) = -1 ENOENT (No such
file or directory)
92330 stat("/usr/lib/x86 64", 0x7ffd87662480) = -1 ENOENT (No such file or directory)
92330 openat(AT_FDCWD, "/usr/lib/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or
directory)
92330 stat("/usr/lib", {st mode=S IFDIR|0755, st size=4096, ...}) = 0
92330 munmap(0x7fe704b01000, 68833)
92330 openat(AT_FDCWD, "/etc/ld.so.cache", O_RDONLY|O_CLOEXEC) = 3
92330 fstat(3, {st_mode=S_IFREG|0644, st_size=68833, ...}) = 0
92330 mmap(NULL, 68833, PROT_READ, MAP_PRIVATE, 3, 0) = 0x7fe704b01000
92330 close(3)
92330 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libnss_files.so.2", O_RDONLY|O_CLOEXEC) = 3
92330 fstat(3, {st_mode=S_IFREG|0644, st_size=51832, ...}) = 0
92330 mmap(NULL, 79672, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7fe70413f000
92330 mmap(0x7fe704142000, 28672, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x3000) = 0x7fe704142000
92330 mmap(0x7fe704149000, 8192, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xa000)
= 0x7fe704149000
92330 mmap(0x7fe70414b000, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0xb000) = 0x7fe70414b000
92330 mmap(0x7fe70414d000, 22328, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP ANONYMOUS, -1, 0) = 0x7fe70414d000
92330 close(3)
                           = 0
```

92330 mprotect(0x7fe70414b000, 4096, PROT READ) = 0

92330 munmap(0x7fe704b01000, 68833)

```
92330 openat(AT FDCWD, "/etc/protocols", O RDONLY|O CLOEXEC) = 3
92330 lseek(3, 0, SEEK_CUR)
                                                                                                         = 0
92330 fstat(3, {st_mode=S_IFREG|0644, st_size=2932, ...}) = 0
92330 read(3, "# Internet (IP) protocols\n#\n# Up"..., 4096) = 2932
92330 lseek(3, 0, SEEK CUR)
                                                                                                          = 2932
92330 read(3, "", 4096)
92330 close(3)
                                                                                    = 0
92330 eventfd2(0, EFD_CLOEXEC)
                                                                                                                     =3
92330 fcntl(3, F_GETFL)
                                                                                                  = 0x2 (flags O_RDWR)
92330 fcntl(3, F_SETFL, O_RDWR|O_NONBLOCK) = 0
92330 fcntl(3, F_GETFL)
                                                                                                  = 0x802 (flags O_RDWR|O_NONBLOCK)
92330 fcntl(3, F_SETFL, O_RDWR|O_NONBLOCK) = 0
92330 \ getrandom("\x0d\x2b\xc3\xe4\xe8\xf9\x84\x59\x22\x6f\x21\x03\x56\x2a\x56\xc8", 16, 0) = 16
92330 \text{ getrandom}(\text{``} x6c\x57\x14\x69\x5c\x04\x60\xec\x07\x93\xbe\x46\xee\x3d\x6b\x60'', 16, 0) = 16
92330 eventfd2(0, EFD CLOEXEC)
                                                                                                                      = 4
92330 fcntl(4, F GETFL)
                                                                                                   = 0x2 (flags O RDWR)
92330 fcntl(4, F_SETFL, O_RDWR|O_NONBLOCK) = 0
92330 fcntl(4, F_GETFL)
                                                                                                  = 0x802 (flags O RDWR|O NONBLOCK)
92330 fcntl(4, F_SETFL, O_RDWR|O_NONBLOCK) = 0
92330 epoll create1(EPOLL CLOEXEC)
                                                                                                                            = 5
92330 epoll_ctl(5, EPOLL_CTL_ADD, 4, {0, {u32=2262535520, u64=94620392066400}}) = 0
92330 epoll_ctl(5, EPOLL_CTL_MOD, 4, {EPOLLIN, {u32=2262535520, u64=94620392066400}}) = 0
92330 mmap(NULL, 8392704, PROT NONE, MAP PRIVATE|MAP ANONYMOUS|MAP STACK, -1, 0) =
0x7fe70393e000
92330 mprotect(0x7fe70393f000, 8388608, PROT_READ|PROT_WRITE) = 0
92330 clone(child stack=0x7fe70413dd30, flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|
CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_PARENT_SETTID|
CLONE_CHILD_CLEARTID, parent_tid=[92331], tls=0x7fe70413e700, child_tidptr=0x7fe70413e9d0) = 92331
92330 eventfd2(0, EFD_CLOEXEC)
92330 fcntl(6, F_GETFL)
                                                                                                  = 0x2 (flags O_RDWR)
92330 fcntl(6, F_SETFL, O_RDWR|O_NONBLOCK) = 0
92330 fcntl(6, F_GETFL)
                                                                                                  = 0x802 (flags O_RDWR|O_NONBLOCK)
92330 fcntl(6, F SETFL, O RDWR|O NONBLOCK) = 0
92330 epoll create1(EPOLL CLOEXEC)
                                                                                                                           = 7
92330 epoll ctl(7, EPOLL CTL ADD, 6, {0, {u32=2262553184, u64=94620392084064}}) = 0
92330 epoll_ctl(7, EPOLL_CTL_MOD, 6, {EPOLLIN, {u32=2262553184, u64=94620392084064}}) = 0
92330 mmap(NULL, 8392704, PROT NONE, MAP PRIVATE|MAP ANONYMOUS|MAP STACK, -1, 0) =
0x7fe70313d000
92330 mprotect(0x7fe70313e000, 8388608, PROT_READ|PROT_WRITE) = 0
92330 clone(child stack=0x7fe70393cd30, flags=CLONE VM|CLONE FS|CLONE FILES|CLONE SIGHAND|
CLONE THREADICLONE SYSVSEMICLONE SETTLS|CLONE PARENT SETTID|
CLONE CHILD CLEARTID, parent tid=[92332], tls=0x7fe70393d700, child tidptr=0x7fe70393d9d0) = 92332
92330 eventfd2(0, EFD_CLOEXEC)
92330 fcntl(8, F_GETFL)
                                                                                                  = 0x2 (flags O_RDWR)
92330 fcntl(8, F_SETFL, O_RDWR|O_NONBLOCK) = 0
92330 fcntl(8, F_GETFL)
                                                                                                  = 0x802 (flags O_RDWR|O_NONBLOCK)
92330 fcntl(8, F_SETFL, O_RDWR|O_NONBLOCK) = 0
92330 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)
92330 socket(AF_NETLINK, SOCK_RAW|SOCK_CLOEXEC, NETLINK_ROUTE) = 9
92330 bind(9, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12) = 0
92330 getsockname(9, {sa_family=AF_NETLINK, nl_pid=92330, nl_groups=00000000}, [12]) = 0
92330 sendto(9, {{len=20, type=RTM_GETLINK, flags=NLM_F_REQUEST|NLM_F_DUMP, seq=1608828400,
pid=0}, {ifi_family=AF_UNSPEC, ...}}, 20, 0, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12) = 20
92330 recvmsg(9, {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12,
msg\_iov = [\{iov\_base = [\{\{len=1316, type=RTM\_NEWLINK, flags=NLM\_F\_MULTI, seq=1608828400, pid=92330\}, flags=NLM\_F\_MULTI, seq=1608828400, pid=923300, pid=9233000, pid=923300, pid=923000, pid=923000, pid=923000, pid=923000, pid=923000, pid=923000, pid=923000, pid=923000, pid=923000, pid=9230
{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_type=IFLA_OPERSTATE}, 0}, {{nla_type=
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_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_
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_SEGS}, 65535}, {{nla_len=8, nla_type=IFLA_GSO_MAX_SEGS}}, {{nla_len=8, nla_type=IFLA_GSO_MAX_SEGS}}, 65535}, {{nla_len=8, nla_type=IFLA_GSO_MAX_SEGS}}, {{nla_len=8, nla_type=IFLA_GSO_MAX_SEGS}}}, {{nla_len=8, nla_type=IFLA_GSO_MAX_SEGS}}}, {{nla_type=IFLA_TYPE}}}, {{nla_type=IFLA_TYPE}}}, {{
nla\_type=IFLA\_GSO\_MAX\_SIZE\},\ 65536\},\ \{\{nla\_len=8,\ nla\_type=IFLA\_NUM\_RX\_QUEUES\},\ 1\},\ \{\{nla\_len=5,\ nla\_type=IFLA\_NUM\_RX\_QUEUES\},\ 1\},\ \{\{nla\_len=5,\ nla\_type=IFLA\_NUM\_RX\_QUEUES\},\ 1\},\ \{\{nla\_len=6,\ nla\_type=IFLA\_NUM\_RX\_QUEUES\},\ 1\},\ 1\}
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nla_type=IFLA_CARRIER}, 1}, {{nla_len=12, nla_type=IFLA_QDISC}, "noqueue"}, {{nla_len=8,
nla_type=IFLA_CARRIER_CHANGES}, 0}, {{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0}, {{nla_len=8,
nla_type=IFLA_CARRIER_UP_COUNT}, 0}, {{nla_type=IFLA_CARRIER_DOWN_COUNT}, 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=104283, tx_packets=104283, rx_bytes=5729794, tx_bytes=5729794, 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=104283, tx_packets=104283, rx_bytes=5729794, tx_bytes=5729794,
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=760, 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=620, 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=164, reachable_time=32040,
retrans_time=1000}}, {{nla_len=208, 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] = 5,
[IPSTATS_MIB_INOCTETS] = 341, [IPSTATS_MIB_INDELIVERS] = 5,
[IPSTATS MIB OUTFORWDATAGRAMS] = 0, [IPSTATS MIB OUTPKTS] = 5, [IPSTATS MIB OUTOCTETS]
= 341, [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,
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[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=1324,
type=RTM_NEWLINK, flags=NLM_F_MULTI, seq=1608828400, pid=92330}, {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\_type=IFLA\_MTU\}, 1500\}, \{nla\_type=IFLA\_MTU\}, 1500\}, \{nla\_type=IFLA\_MTU\}, 1500\}, \{nla\_type=IFLA\_MTU\},
nla_type=IFLA_MIN_MTU}, 46}, {{nla_len=8, nla_type=IFLA_MAX_MTU}, 16110}, {{nla_type=IFLA_MAX_MTU}, 16110}, {{nla_type=IFLA_MA
nla_type=IFLA_GROUP}, 0}, {{nla_len=8, nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_
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_SEGS}, 65535}, {{nla_len=8, nla_type=IFLA_GSO_MAX_SEGS}}, {{nla_len=8, nla_type=IFLA_GSO_MAX_SEGS}}, 65535}, {{nla_len=8, nla_type=IFLA_GSO_MAX_SEGS}}, {{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}, 10}, {{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0}, {{nla_len=8,
nla_type=IFLA_CARRIER_UP_COUNT}, 5}, {{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 5},
{{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\x7c\x08\x1d"}, {{nla_len=10,
{rx packets=379844, tx packets=84001, rx bytes=502192010, tx bytes=19215955, 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=379844, tx_packets=84001, rx_bytes=502192010, tx_bytes=19215955,
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_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=620, 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=1434, reachable time=32540,
retrans_time=1000}}, {{nla_len=208, 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,
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[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] = 58,
[IPSTATS MIB INOCTETS] = 6839, [IPSTATS MIB INDELIVERS] = 58,
[IPSTATS MIB OUTFORWDATAGRAMS] = 0, [IPSTATS MIB OUTPKTS] = 76, [IPSTATS MIB OUTOCTETS]
= 8399, [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] = 2, [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] = 58,
[IPSTATS MIB OUTMCASTPKTS] = 76, [IPSTATS MIB INBCASTPKTS] = 0,
[IPSTATS MIB OUTBCASTPKTS] = 0, [IPSTATS MIB INMCASTOCTETS] = 6839,
[IPSTATS MIB OUTMCASTOCTETS] = 8399, [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] = 18, [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) = 2640
92330 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=1608828400, pid=92330}, 0},
iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 20
92330 sendto(9, {{len=20, type=RTM_GETADDR, flags=NLM_F_REQUEST|NLM_F_DUMP, seq=1608828401,
pid=0}, {ifa_family=AF_UNSPEC, ...}}, 20, 0, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12) = 20
92330 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=1608828401, pid=92330},
{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=164, tstamp=164}}]}, {{len=88, type=RTM_NEWADDR,
flags=NLM_F_MULTI, seq=1608828401, pid=92330}, {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=67756, ifa valid=67756, cstamp=1438, tstamp=622582}}]],
iov len=4096}], msg iovlen=1, msg controllen=0, msg flags=0}, 0) = 164
92330 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=1608828401, pid=92330},
{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=164,
tstamp=164}}, {{nla_len=8, nla_type=IFA_FLAGS}, IFA_F_PERMANENT}]}, {{len=72, type=RTM_NEWADDR,
flags=NLM_F_MULTI, seq=1608828401, pid=92330}, {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::18ac:705b:f24b:491c")}, {{nla_len=20,
nla_type=IFA_CACHEINFO}, {ifa_prefered=4294967295, ifa_valid=4294967295, cstamp=1434, tstamp=1632}},
{{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
92330 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=1608828401, pid=92330}, 0},
iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 20
                         = 0
92330 socket(AF INET, SOCK STREAM|SOCK CLOEXEC, IPPROTO TCP) = 9
92330 setsockopt(9, SOL_SOCKET, SO_REUSEADDR, [1], 4) = 0
92330 bind(9, {sa_family=AF_INET, sin_port=htons(8080), sin_addr=inet_addr("127.0.0.1")}, 16) = 0
92330 listen(9, 100)
                           = 0
```

```
92330 getsockname(9, {sa_family=AF_INET, sin_port=htons(8080), sin_addr=inet_addr("127.0.0.1")}, [128->16]) = 0
92330 getsockname(9, {sa_family=AF_INET, sin_port=htons(8080), sin_addr=inet_addr("127.0.0.1")}, [128->16]) = 0
92330 write(6, "1\0\0\0\0\0\0\, 8) = 8
92330 write(8, "\1\0\0\0\0\0\0\0\", 8) = 8
92330 fstat(1, {st mode=S IFCHR|0620, st rdev=makedev(0x88, 0x1), ...}) = 0
92330 write(1, ">", 2)
                            = 2
92330 fstat(0, {st mode=S IFREG|0664, st size=31, ...}) = 0
92330 read(0, "create 1\npingall\nremove 1\nexit\n", 4096) = 31
92330 clone(child_stack=NULL, flags=CLONE_CHILD_CLEARTID|CLONE_CHILD_SETTID|SIGCHLD,
child tidptr=0x7fe7041568d0) = 92333
92330 poll([{fd=8, events=POLLIN}], 1, 0) = 1 ([{fd=8, revents=POLLIN}])
92330 read(8, "1\0\0\0\0\0\0\, 8) = 8
92330 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)
92330 poll([{fd=8, events=POLLIN}], 1, 2000 <unfinished ...>
92332 set robust list(0x7fe70393d9e0, 24) = 0
92332 rt sigprocmask(SIG BLOCK, ~[RTMIN RT 1], NULL, 8) = 0
92332 sched_getparam(92332, [0])
                                  = 0
92332 sched getscheduler(92332)
                                  = 0 (SCHED OTHER)
92332 sched_setscheduler(92332, SCHED_OTHER, [0]) = 0
92332 prctl(PR SET NAME, "ZMQbg/IO/0") = 0
92332 epoll_wait(7, [{EPOLLIN, {u32=2262553184, u64=94620392084064}}], 256, -1) = 1
92332 poll([{fd=6, events=POLLIN}], 1, 0) = 1 ([{fd=6, revents=POLLIN}])
92332 read(6, "\1\0\0\0\0\0\0\0\0", 8) = 8
92332 mmap(NULL, 134217728, PROT NONE, MAP PRIVATE|MAP ANONYMOUS|MAP NORESERVE, -1, 0)
= 0x7fe6fb13d000
92332 munmap(0x7fe6fb13d000, 15478784) = 0
92332 munmap(0x7fe700000000, 51630080) = 0
92332 mprotect(0x7fe6fc000000, 135168, PROT_READ|PROT_WRITE) = 0
92332 epoll_ctl(7, EPOLL_CTL_ADD, 9, {0, {u32=4227861344, u64=140630047066976}}) = 0
92332 epoll_ctl(7, EPOLL_CTL_MOD, 9, {EPOLLIN, {u32=4227861344, u64=140630047066976}}) = 0
92332 poll([\{fd=6, events=POLLIN\}\}], 1, 0) = 0 (Timeout)
92332 epoll_wait(7, <unfinished ...>
92333 set robust list(0x7fe7041568e0, 24) = 0
92333 execve("./child", ["child", "1", "8080"], 0x7ffd87665798 /* 61 vars */ <unfinished ...>
92331 set robust list(0x7fe70413e9e0, 24) = 0
92331 rt_sigprocmask(SIG_BLOCK, ~[RTMIN RT_1], NULL, 8) = 0
92331 sched getparam(92331, [0])
                                  = 0
                                  = 0 (SCHED OTHER)
92331 sched_getscheduler(92331)
92331 sched_setscheduler(92331, SCHED_OTHER, [0]) = 0
92331 prctl(PR SET NAME, "ZMQbg/Reaper") = 0
92331 epoll wait(5, <unfinished ...>
92333 < ... execve resumed > )
                             = 0x556a8165e000
92333 brk(NULL)
92333 arch_prctl(0x3001 /* ARCH_??? */, 0x7ffd5816c430) = -1 EINVAL (Invalid argument)
92333 access("/etc/ld.so.preload", R_OK) = -1 ENOENT (No such file or directory)
92333 openat(AT_FDCWD, "/etc/ld.so.cache", O_RDONLY|O_CLOEXEC) = 3
92333 fstat(3, {st mode=S IFREG|0644, st size=68833, ...}) = 0
92333 mmap(NULL, 68833, PROT_READ, MAP_PRIVATE, 3, 0) = 0x7f56e19a6000
92333 close(3)
92333 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libzmq.so.5", O RDONLY|O CLOEXEC) = 3
92333 fstat(3, {st mode=S IFREG|0644, st size=675776, ...}) = 0
92333 mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7f56e19a4000
92333 mmap(NULL, 678128, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7f56e18fe000
92333 mmap(0x7f56e1914000, 430080, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x16000) = 0x7f56e1914000
92333 mmap(0x7f56e197d000, 126976, PROT READ, MAP PRIVATE|MAP FIXED|MAP DENYWRITE, 3,
0x7f000) = 0x7f56e197d000
92333 mmap(0x7f56e199c000, 32768, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_DENYWRITE, 3, 0x9d000) = 0x7f56e199c000
92333 close(3)
                          = 0
92333 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libstdc++.so.6", O_RDONLY|O_CLOEXEC) = 3
```

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92333 read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\0\0\0\0\0\0\40\341\t\0\0\0\0\0\0\".... 832) = 832
92333 fstat(3, {st_mode=S_IFREG|0644, st_size=1952928, ...}) = 0
92333 mmap(NULL, 1968128, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7f56e171d000
92333 mprotect(0x7f56e17b3000, 1286144, PROT NONE) = 0
92333 mmap(0x7f56e17b3000, 983040, PROT READ|PROT EXEC, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x96000) = 0x7f56e17b3000
92333 mmap(0x7f56e18a3000, 299008, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x186000) = 0x7f56e18a3000
92333 mmap(0x7f56e18ed000, 57344, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x1cf000) = 0x7f56e18ed000
92333 mmap(0x7f56e18fb000, 10240, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP_ANONYMOUS, -1, 0) = 0x7f56e18fb000
92333 close(3)
                      = 0
92333 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libgcc_s.so.1", O_RDONLY|O_CLOEXEC) = 3
92333 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\\0\\1\0\0\0\3405\0\0\0\0\0\0\0\"..., 832) = 832
92333 fstat(3, {st mode=S IFREG|0644, st size=104984, ...}) = 0
92333 mmap(NULL, 107592, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7f56e1702000
92333 mmap(0x7f56e1705000, 73728, PROT READ|PROT EXEC, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x3000) = 0x7f56e1705000
92333 mmap(0x7f56e1717000, 16384, PROT READ, MAP PRIVATE|MAP FIXED|MAP DENYWRITE, 3,
0x15000) = 0x7f56e1717000
92333 mmap(0x7f56e171b000, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x18000) = 0x7f56e171b000
                      = 0
92333 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libc.so.6", O RDONLY|O CLOEXEC) = 3
92333 pread64(3, "\4\0\0\0\24\0\0\0\\3\0\\0GNU\0\363\\377?\332\200\270\27\304d\245n\355Y\377\t\334"..., 68, 880) =
92333 fstat(3, {st_mode=S_IFREG|0755, st_size=2029224, ...}) = 0
92333 pread64(3, "\4\0\0\0\24\0\0\0\\3\0\\0\GNU\0\36\\377?\332\200\270\27\304d\245n\355Y\377\t\334"..., 68, 880) =
68
92333 mmap(NULL, 2036952, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f56e1510000
92333 mprotect(0x7f56e1535000, 1847296, PROT NONE) = 0
92333 mmap(0x7f56e1535000, 1540096, PROT READ|PROT EXEC, MAP PRIVATE|MAP FIXED|
MAP_DENYWRITE, 3, 0x25000) = 0x7f56e1535000
92333 mmap(0x7f56e16ad000, 303104, PROT READ, MAP PRIVATE|MAP FIXED|MAP DENYWRITE, 3,
0x19d000) = 0x7f56e16ad000
92333 mmap(0x7f56e16f8000, 24576, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_DENYWRITE, 3, 0x1e7000) = 0x7f56e16f8000
92333 mmap(0x7f56e16fe000, 13528, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP\_ANONYMOUS, -1, 0) = 0x7f56e16fe000
92333 close(3)
                      = 0
92333 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libsodium.so.23", O RDONLY|O CLOEXEC) = 3
92333 fstat(3, {st_mode=S_IFREG|0644, st_size=355016, ...}) = 0
92333 mmap(NULL, 357384, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7f56e14b8000
92333 mmap(0x7f56e14c4000, 229376, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0xc000) = 0x7f56e14c4000
92333 mmap(0x7f56e14fc000, 73728, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x44000) = 0x7f56e14fc000
92333 mmap(0x7f56e150e000, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_DENYWRITE, 3, 0x55000) = 0x7f56e150e000
92333 close(3)
                      = 0
92333 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libpgm-5.2.so.0", O RDONLY|O CLOEXEC) = 3
92333 fstat(3, {st mode=S IFREG|0644, st size=302056, ...}) = 0
92333 mmap(NULL, 321584, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f56e1469000
92333 mmap(0x7f56e146d000, 163840, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x4000) = 0x7f56e146d000
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92333 mmap(0x7f56e1495000, 118784, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x2c000) = 0x7f56e1495000
92333 mmap(0x7f56e14b2000, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x48000) = 0x7f56e14b2000
92333 mmap(0x7f56e14b4000, 14384, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP ANONYMOUS, -1, 0) = 0x7f56e14b4000
92333 close(3)
                      = 0
92333 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libnorm.so.1", O RDONLY|O CLOEXEC) = 3
92333 fstat(3, {st mode=S IFREG|0644, st size=690344, ...}) = 0
92333 mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7f56e1467000
92333 mmap(NULL, 1420000, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f56e130c000
92333 mmap(0x7f56e1316000, 421888, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0xa000) = 0x7f56e1316000
92333 mmap(0x7f56e137d000, 217088, PROT READ, MAP PRIVATE|MAP FIXED|MAP DENYWRITE, 3,
0x71000) = 0x7f56e137d000
92333 mmap(0x7f56e13b2000, 16384, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0xa5000) = 0x7f56e13b2000
92333 mmap(0x7f56e13b6000, 723680, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP\_ANONYMOUS, -1, 0) = 0x7f56e13b6000
92333 close(3)
                      = 0
92333 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libgssapi krb5.so.2", O RDONLY|O CLOEXEC) = 3
92333 fstat(3, {st mode=S IFREG|0644, st size=309712, ...}) = 0
92333 mmap(NULL, 312128, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f56e12bf000
92333 mmap(0x7f56e12ca000, 204800, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0xb000) = 0x7f56e12ca000
92333 mmap(0x7f56e12fc000, 49152, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x3d000) = 0x7f56e12fc000
92333 mmap(0x7f56e1308000, 16384, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x48000) = 0x7f56e1308000
92333 close(3)
                      = 0
92333 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libpthread.so.0", O RDONLY|O CLOEXEC) = 3
92333 fstat(3, {st mode=S IFREG|0755, st size=157224, ...}) = 0
92333 pread64(3, "\4\0\0\0\24\0\0\0\\0\0\0\0\0\0\NU\0O\\305\\3743\364B\2216\244\224\306@\261\23\3270".... 68, 824) =
92333 mmap(NULL, 140408, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7f56e129c000
92333 mmap(0x7f56e12a3000, 69632, PROT READ|PROT EXEC, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x7000) = 0x7f56e12a3000
92333 mmap(0x7f56e12b4000, 20480, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x18000) = 0x7f56e12b4000
92333 mmap(0x7f56e12b9000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x1c000) = 0x7f56e12b9000
92333 mmap(0x7f56e12bb000, 13432, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP\_ANONYMOUS, -1, 0) = 0x7f56e12bb000
92333 close(3)
                      = 0
92333 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libm.so.6", O_RDONLY|O_CLOEXEC) = 3
92333 fstat(3, {st mode=S IFREG|0644, st size=1369352, ...}) = 0
92333 mmap(NULL, 1368336, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f56e114d000
92333 mmap(0x7f56e115c000, 684032, PROT READ|PROT EXEC, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0xf000) = 0x7f56e115c000
92333 mmap(0x7f56e1203000, 618496, PROT READ, MAP PRIVATE|MAP FIXED|MAP DENYWRITE, 3,
0xb6000) = 0x7f56e1203000
92333 mmap(0x7f56e129a000, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x14c000) = 0x7f56e129a000
92333 close(3)
                      = 0
92333 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libkrb5.so.3", O_RDONLY|O_CLOEXEC) = 3
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92333 fstat(3, {st mode=S IFREG|0644, st size=902016, ...}) = 0
92333 mmap(NULL, 904640, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f56e1070000
92333 mprotect(0x7f56e1092000, 700416, PROT NONE) = 0
92333 mmap(0x7f56e1092000, 397312, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x22000) = 0x7f56e1092000
92333 mmap(0x7f56e10f3000, 299008, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x83000) = 0x7f56e10f3000
92333 mmap(0x7f56e113d000, 65536, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_DENYWRITE, 3, 0xcc000) = 0x7f56e113d000
92333 close(3)
                      = 0
92333 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libk5crypto.so.3", O_RDONLY|O_CLOEXEC) = 3
92333 fstat(3, {st mode=S IFREG|0644, st size=191040, ...}) = 0
92333 mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7f56e106e000
92333 mmap(NULL, 196696, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7f56e103d000
92333 mprotect(0x7f56e1041000, 172032, PROT NONE) = 0
92333 mmap(0x7f56e1041000, 114688, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x4000) = 0x7f56e1041000
92333 mmap(0x7f56e105d000, 53248, PROT READ, MAP PRIVATE|MAP FIXED|MAP DENYWRITE, 3,
0x20000) = 0x7f56e105d000
92333 mmap(0x7f56e106b000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x2d000) = 0x7f56e106b000
92333 mmap(0x7f56e106d000, 88, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP ANONYMOUS, -1, 0) = 0x7f56e106d000
92333 close(3)
                      = 0
92333 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libcom_err.so.2", O_RDONLY|O_CLOEXEC) = 3
92333 fstat(3, {st_mode=S_IFREG|0644, st_size=22600, ...}) = 0
92333 mmap(NULL, 24744, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f56e1036000
92333 mmap(0x7f56e1038000, 8192, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x2000) = 0x7f56e1038000
92333 mmap(0x7f56e103a000, 4096, PROT READ, MAP PRIVATE|MAP FIXED|MAP DENYWRITE, 3, 0x4000)
= 0x7f56e103a000
92333 mmap(0x7f56e103b000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x4000) = 0x7f56e103b000
92333 close(3)
                      = 0
92333 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libkrb5support.so.0", O RDONLY|O CLOEXEC) = 3
92333 fstat(3, {st mode=S IFREG|0644, st size=56096, ...}) = 0
92333 mmap(NULL, 58344, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7f56e1027000
92333 mmap(0x7f56e102a000, 28672, PROT READ|PROT EXEC, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x3000) = 0x7f56e102a000
92333 mmap(0x7f56e1031000, 12288, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xa000)
= 0x7f56e1031000
92333 mmap(0x7f56e1034000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0xc000) = 0x7f56e1034000
92333 close(3)
                      = 0
92333 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libkeyutils.so.1", O_RDONLY|O_CLOEXEC) = 3
92333 fstat(3, {st_mode=S_IFREG|0644, st_size=22600, ...}) = 0
92333 mmap(NULL, 24592, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7f56e1020000
92333 mmap(0x7f56e1022000, 8192, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x2000) = 0x7f56e1022000
92333 mmap(0x7f56e1024000, 4096, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x4000)
= 0x7f56e1024000
92333 mmap(0x7f56e1025000, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x4000) = 0x7f56e1025000
92333 close(3)
92333 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libresolv.so.2", O RDONLY|O CLOEXEC) = 3
92333 fstat(3, {st_mode=S_IFREG|0644, st_size=101320, ...}) = 0
92333 mmap(NULL, 113280, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f56e1004000
```

```
92333 mprotect(0x7f56e1008000, 81920, PROT NONE) = 0
92333 mmap(0x7f56e1008000, 65536, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x4000) = 0x7f56e1008000
92333 mmap(0x7f56e1018000, 12288, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x14000) = 0x7f56e1018000
92333 mmap(0x7f56e101c000, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP DENYWRITE, 3, 0x17000) = 0x7f56e101c000
92333 mmap(0x7f56e101e000, 6784, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP\_ANONYMOUS, -1, 0) = 0x7f56e101e000
92333 close(3)
92333 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libdl.so.2", O_RDONLY|O_CLOEXEC) = 3
92333 fstat(3, {st mode=S IFREG|0644, st size=18816, ...}) = 0
92333 mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7f56e1002000
92333 mmap(NULL, 20752, PROT READ, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7f56e0ffc000
92333 mmap(0x7f56e0ffd000, 8192, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|
MAP DENYWRITE, 3, 0x1000) = 0x7f56e0ffd000
92333 mmap(0x7f56e0fff000, 4096, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x3000) =
0x7f56e0fff000
92333 mmap(0x7f56e1000000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x3000) = 0x7f56e1000000
92333 close(3)
92333 mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7f56e0ffa000
92333 mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7f56e0ff8000
92333 arch_prctl(ARCH_SET_FS, 0x7f56e0ffb600) = 0
92333 mprotect(0x7f56e16f8000, 12288, PROT_READ) = 0
92333 mprotect(0x7f56e1000000, 4096, PROT_READ) = 0
92333 mprotect(0x7f56e101c000, 4096, PROT_READ) = 0
92333 mprotect(0x7f56e1025000, 4096, PROT_READ) = 0
92333 mprotect(0x7f56e1034000, 4096, PROT READ) = 0
92333 mprotect(0x7f56e12b9000, 4096, PROT READ) = 0
92333 mprotect(0x7f56e103b000, 4096, PROT READ) = 0
92333 mprotect(0x7f56e106b000, 4096, PROT_READ) = 0
92333 mprotect(0x7f56e113d000, 57344, PROT READ) = 0
92333 mprotect(0x7f56e129a000, 4096, PROT READ) = 0
92333 mprotect(0x7f56e1308000, 8192, PROT_READ) = 0
92333 mprotect(0x7f56e171b000, 4096, PROT READ) = 0
92333 mprotect(0x7f56e18ed000, 45056, PROT READ) = 0
92333 mprotect(0x7f56e13b2000, 12288, PROT READ) = 0
92333 mprotect(0x7f56e14b2000, 4096, PROT READ) = 0
92333 mprotect(0x7f56e150e000, 4096, PROT_READ) = 0
92333 mprotect(0x7f56e199c000, 28672, PROT_READ) = 0
92333 mprotect(0x556a803f5000, 4096, PROT_READ) = 0
92333 mprotect(0x7f56e19e4000, 4096, PROT READ) = 0
92333 munmap(0x7f56e19a6000, 68833)
92333 \text{ set\_tid\_address}(0x7f56e0ffb8d0) = 92333
92333 set robust list(0x7f56e0ffb8e0, 24) = 0
92333 rt_sigaction(SIGRTMIN, {sa_handler=0x7f56e12a3bf0, sa_mask=[], sa_flags=SA_RESTORER|SA_SIGINFO,
sa restorer=0x7f56e12b13c0}, NULL, 8) = 0
92333 rt_sigaction(SIGRT_1, {sa_handler=0x7f56e12a3c90, sa_mask=[], sa_flags=SA_RESTORER|SA_RESTART|
SA\_SIGINFO, sa_restorer=0x7f56e12b13c0}, NULL, 8) = 0
92333 rt_sigprocmask(SIG_UNBLOCK, [RTMIN RT_1], NULL, 8) = 0
92333 prlimit64(0, RLIMIT_STACK, NULL, {rlim_cur=8192*1024, rlim_max=RLIM64_INFINITY}) = 0
92333 brk(NULL)
                           = 0x556a8165e000
92333 brk(0x556a8167f000)
                               = 0x556a8167f000
92333 openat(AT_FDCWD, "/sys/devices/system/cpu/online", O_RDONLY|O_CLOEXEC) = 3
92333 read(3, "0\n", 8192)
                             = 2
92333 close(3)
92333 openat(AT_FDCWD, "/sys/devices/system/cpu", O_RDONLY|O_NONBLOCK|O_CLOEXEC|
O_DIRECTORY) = 3
```

```
92333 fstat(3, {st mode=S IFDIR|0755, st size=0, ...}) = 0
92333 getdents64(3, /* 17 entries */, 32768) = 520
92333 getdents64(3, /* 0 entries */, 32768) = 0
92333 close(3)
                            = 0
92333 getpid()
                            = 92333
92333 sched getaffinity(92333, 128, [0]) = 8
92333 openat(AT FDCWD, "/etc/nsswitch.conf", O RDONLY|O CLOEXEC) = 3
92333 fstat(3, {st mode=S IFREG|0644, st size=542, ...}) = 0
92333 read(3, "# /etc/nsswitch.conf\n#\n# Example"..., 4096) = 542
92333 read(3, "", 4096)
                               = 0
92333 close(3)
                            = 0
92333 openat(AT_FDCWD, "/etc/ld.so.cache", O_RDONLY|O_CLOEXEC) = 3
92333 fstat(3, {st_mode=S_IFREG|0644, st_size=68833, ...}) = 0
92333 mmap(NULL, 68833, PROT_READ, MAP_PRIVATE, 3, 0) = 0x7f56e19a6000
92333 close(3)
92333 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)
92333 stat("/lib/x86 64-linux-gnu/tls/x86 64/x86 64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 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)
92333 stat("/lib/x86_64-linux-gnu/tls/x86_64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 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)
92333 stat("/lib/x86 64-linux-gnu/tls/x86 64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 openat(AT FDCWD, "/lib/x86 64-linux-gnu/tls/libnss db.so.2", O RDONLY|O CLOEXEC) = -1 ENOENT
(No such file or directory)
92333 stat("/lib/x86_64-linux-gnu/tls", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/x86_64/k86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1
ENOENT (No such file or directory)
92333 stat("/lib/x86_64-linux-gnu/x86_64/x86_64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 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)
92333 stat("/lib/x86 64-linux-gnu/x86 64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 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)
92333 stat("/lib/x86 64-linux-gnu/x86 64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 openat(AT FDCWD, "/lib/x86 64-linux-gnu/libnss db.so.2", O RDONLY|O CLOEXEC) = -1 ENOENT (No
such file or directory)
92333 stat("/lib/x86_64-linux-gnu", {st_mode=S_IFDIR|0755, st_size=69632, ...}) = 0
92333 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)
92333 stat("/usr/lib/x86 64-linux-gnu/tls/x86 64/x86 64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 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)
92333 stat("/usr/lib/x86_64-linux-gnu/tls/x86_64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 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)
92333 stat("/usr/lib/x86_64-linux-gnu/tls/x86_64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 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)
92333 stat("/usr/lib/x86_64-linux-gnu/tls", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 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)
92333 stat("/usr/lib/x86_64-linux-gnu/x86_64/x86_64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 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)
92333 stat("/usr/lib/x86 64-linux-gnu/x86 64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 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)
92333 stat("/usr/lib/x86 64-linux-gnu/x86 64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
92333 openat(AT_FDCWD, "/usr/lib/x86_64-linux-gnu/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT
(No such file or directory)
92333 stat("/usr/lib/x86_64-linux-gnu", {st_mode=S_IFDIR|0755, st_size=69632, ...}) = 0
```

```
92333 openat(AT_FDCWD, "/lib/tls/x86_64/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
```

- 92333 stat("/lib/tls/x86 64/x86 64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/lib/tls/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/lib/tls/x86_64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/lib/tls/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/lib/tls/x86_64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/lib/tls/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/lib/tls", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/lib/x86_64/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/lib/x86_64/x86_64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/lib/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/lib/x86 64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/lib/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/lib/x86_64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/lib/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/lib", {st_mode=S_IFDIR|0755, st_size=4096, ...}) = 0
- 92333 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)
- 92333 stat("/usr/lib/tls/x86_64/x86_64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/usr/lib/tls/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/usr/lib/tls/x86_64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/usr/lib/tls/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/usr/lib/tls/x86 64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/usr/lib/tls/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/usr/lib/tls", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/usr/lib/x86_64/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/usr/lib/x86_64/x86_64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/usr/lib/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/usr/lib/x86 64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/usr/lib/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/usr/lib/x86_64", 0x7ffd58169330) = -1 ENOENT (No such file or directory)
- 92333 openat(AT_FDCWD, "/usr/lib/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
- 92333 stat("/usr/lib", {st_mode=S_IFDIR|0755, st_size=4096, ...}) = 0
- 92333 munmap(0x7f56e19a6000, 68833) = 0
- 92333 openat(AT_FDCWD, "/etc/ld.so.cache", O_RDONLY|O_CLOEXEC) = 3
- 92333 fstat(3, {st_mode=S_IFREG|0644, st_size=68833, ...}) = 0
- 92333 mmap(NULL, 68833, PROT READ, MAP PRIVATE, 3, 0) = 0x7f56e19a6000
- 92333 close(3) = 0
- 92333 openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libnss_files.so.2", O_RDONLY|O_CLOEXEC) = 3
- 92333 fstat(3, {st_mode=S_IFREG|0644, st_size=51832, ...}) = 0
- 92333 mmap(NULL, 79672, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f56e0fe4000
- $92333\ mmap (0x7f56e0fe7000,\ 28672,\ PROT_READ|PROT_EXEC,\ MAP_PRIVATE|MAP_FIXED|$
- MAP_DENYWRITE, 3, 0x3000) = 0x7f56e0fe7000
- 92333 mmap(0x7f56e0fee000, 8192, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xa000) = 0x7f56e0fee000
- $92333\ mmap (0x7f56e0ff0000,\ 8192,\ PROT_READ|PROT_WRITE,\ MAP_PRIVATE|MAP_FIXED|$
- MAP_DENYWRITE, 3, 0xb000) = 0x7f56e0ff0000

```
92333 mmap(0x7f56e0ff2000, 22328, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|
MAP_ANONYMOUS, -1, 0) = 0x7f56e0ff2000
92333 close(3)
                         = 0
92333 mprotect(0x7f56e0ff0000, 4096, PROT READ) = 0
92333 munmap(0x7f56e19a6000, 68833)
92333 openat(AT FDCWD, "/etc/protocols", O RDONLY|O CLOEXEC) = 3
92333 lseek(3, 0, SEEK CUR)
                                = 0
92333 fstat(3, {st_mode=S_IFREG|0644, st_size=2932, ...}) = 0
92333 read(3, "# Internet (IP) protocols\n#\n# Up"..., 4096) = 2932
92333 lseek(3, 0, SEEK_CUR)
                                = 2932
92333 read(3, "", 4096)
92333 close(3)
                         = 0
92333 eventfd2(0, EFD CLOEXEC)
                                   =3
92333 fcntl(3, F_GETFL)
                              = 0x2 (flags O_RDWR)
92333 fcntl(3, F_SETFL, O_RDWR|O_NONBLOCK) = 0
92333 fcntl(3, F GETFL)
                              = 0x802 (flags O RDWR|O NONBLOCK)
92333 fcntl(3, F SETFL, O RDWRIO NONBLOCK) = 0
92333 getrandom("\x6e\xdd\x84\xac\xee\xb8\xe7\xf5\xfc\xe8\x95\x7d\x1a\x13\x9f\xc9", 16, 0) = 16
92333 getrandom("\x6f\x27\x96\x0c\xfb\x5c\x2e\x92\x93\x86\x44\x0c\xf8\x98\x67\xf1", 16, 0) = 16
92333 eventfd2(0, EFD CLOEXEC)
                                   = 4
                              = 0x2 (flags O_RDWR)
92333 fcntl(4, F_GETFL)
92333 fcntl(4, F_SETFL, O_RDWR|O_NONBLOCK) = 0
92333 fcntl(4, F GETFL)
                              = 0x802 (flags O RDWR|O NONBLOCK)
92333 fcntl(4, F SETFL, O RDWR|O NONBLOCK) = 0
92333 epoll create1(EPOLL CLOEXEC)
92333 epoll_ctl(5, EPOLL_CTL_ADD, 4, {0, {u32=2171014496, u64=93915925908832}}) = 0
92333 epoll_ctl(5, EPOLL_CTL_MOD, 4, {EPOLLIN, {u32=2171014496, u64=93915925908832}}) = 0
92333 mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f56e07e3000
92333 mprotect(0x7f56e07e4000, 8388608, PROT_READ|PROT_WRITE) = 0
92333 clone(child_stack=0x7f56e0fe2d30, flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|
CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_PARENT_SETTID|
CLONE_CHILD_CLEARTID, parent_tid=[92334], tls=0x7f56e0fe3700, child_tidptr=0x7f56e0fe39d0) = 92334
92333 eventfd2(0, EFD_CLOEXEC)
                                   = 6
92333 fcntl(6, F GETFL)
                              = 0x2 (flags O RDWR)
92333 fcntl(6, F_SETFL, O_RDWR|O_NONBLOCK) = 0
92333 fcntl(6, F_GETFL)
                              = 0x802 (flags O RDWR|O NONBLOCK)
92333 fcntl(6, F SETFL, O RDWR|O NONBLOCK) = 0
92333 epoll_create1(EPOLL_CLOEXEC)
                                     = 7
92333 epoll ctl(7, EPOLL CTL ADD, 6, {0, {u32=2171032160, u64=93915925926496}}) = 0
92333 epoll ctl(7, EPOLL CTL MOD, 6, {EPOLLIN, {u32=2171032160, u64=93915925926496}}) = 0
92333 mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f56dffe2000
92333 mprotect(0x7f56dffe3000, 8388608, PROT_READ|PROT_WRITE) = 0
92333 clone(child_stack=0x7f56e07e1d30, flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|
CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_PARENT_SETTID|
CLONE_CHILD_CLEARTID, parent_tid=[92335], tls=0x7f56e07e2700, child_tidptr=0x7f56e07e29d0) = 92335
92333 eventfd2(0, EFD_CLOEXEC)
                                   = 8
92333 fcntl(8, F_GETFL)
                              = 0x2 (flags O_RDWR)
92333 fcntl(8, F_SETFL, O_RDWR|O_NONBLOCK) = 0
                              = 0x802 (flags O_RDWR|O_NONBLOCK)
92333 fcntl(8, F_GETFL)
92333 fcntl(8, F SETFL, O RDWR|O NONBLOCK) = 0
92333 epoll_create1(EPOLL_CLOEXEC)
                                     = 9
92333 epoll_ctl(9, EPOLL_CTL_ADD, 8, {0, {u32=2171015952, u64=93915925910288}}) = 0
92333 epoll ctl(9, EPOLL CTL MOD, 8, {EPOLLIN, {u32=2171015952, u64=93915925910288}}) = 0
92333 mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f56df7e1000
92333 mprotect(0x7f56df7e2000, 8388608, PROT_READ|PROT_WRITE) = 0
92333 clone(child stack=0x7f56dffe0d30, flags=CLONE VM|CLONE FS|CLONE FILES|CLONE SIGHAND|
CLONE THREAD|CLONE SYSVSEM|CLONE SETTLS|CLONE PARENT SETTID|
CLONE_CHILD_CLEARTID, parent_tid=[92336], tls=0x7f56dffe1700, child_tidptr=0x7f56dffe19d0) = 92336
                                   = 10
92333 eventfd2(0, EFD_CLOEXEC)
92333 fcntl(10, F_GETFL)
                              = 0x2 (flags O_RDWR)
```

```
92333 fcntl(10, F SETFL, O RDWR|O NONBLOCK) = 0
92333 fcntl(10, F_GETFL)
                                                          = 0x802 (flags O_RDWR|O_NONBLOCK)
92333 fcntl(10, F SETFL, O RDWR|O NONBLOCK) = 0
92333 poll([{fd=10, events=POLLIN}], 1, 0) = 0 (Timeout)
92333 brk(0x556a816a0000)
                                                            = 0x556a816a0000
92333 futex(0x7f56e18fb6bc, FUTEX WAKE PRIVATE, 2147483647) = 0
92333 futex(0x7f56e18fb6c8, FUTEX WAKE PRIVATE, 2147483647) = 0
92333 write(6, "\1\0\0\0\0\0\0", 8) = 8
92333 write(10, "\1\0\0\0\0\0\0\0\", 8) = 8
92333 eventfd2(0, EFD CLOEXEC)
                                                                    = 11
92333 fcntl(11, F_GETFL)
                                                          = 0x2 (flags O_RDWR)
92333 fcntl(11, F_SETFL, O_RDWR|O_NONBLOCK) = 0
92333 fcntl(11, F_GETFL)
                                                         = 0x802 (flags O_RDWR|O_NONBLOCK)
92333 fcntl(11, F_SETFL, O_RDWR|O_NONBLOCK) = 0
                                                                    = 12
92333 eventfd2(0, EFD CLOEXEC)
92333 fcntl(12, F GETFL)
                                                          = 0x2 (flags O RDWR)
92333 fcntl(12, F_SETFL, O_RDWR|O_NONBLOCK) = 0
92333 fcntl(12, F GETFL)
                                                          = 0x802 (flags O RDWR|O NONBLOCK)
92333 fcntl(12, F_SETFL, O_RDWR|O_NONBLOCK) = 0
92333 poll([\{fd=11, events=POLLIN\}\}], 1, 0) = 0 (Timeout)
92333 socket(AF_NETLINK, SOCK_RAW|SOCK_CLOEXEC, NETLINK_ROUTE) = 13
92333 bind(13, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12) = 0
92333 getsockname(13, {sa_family=AF_NETLINK, nl_pid=92333, nl_groups=00000000}, [12]) = 0
92333 sendto(13, {{len=20, type=RTM GETLINK, flags=NLM F REQUEST|NLM F DUMP, seq=1608828400,
pid=0}, {ifi family=AF UNSPEC, ...}}, 20, 0, {sa family=AF NETLINK, nl pid=0, nl groups=00000000}, 12) = 20
92336 set robust list(0x7f56dffe19e0, 24 <unfinished ...>
92335 set_robust_list(0x7f56e07e29e0, 24 <unfinished ...>
92333 recvmsg(13, <unfinished ...>
92336 <... set_robust_list resumed>) = 0
92335 < \dots set_robust_list resumed > ) = 0
92334 set_robust_list(0x7f56e0fe39e0, 24 <unfinished ...>
92333 <... recvmsg resumed>{msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000},
msg_namelen=12, msg_iov=[{iov_base=[{{len=1316, type=RTM_NEWLINK, flags=NLM_F_MULTI,
seq=1608828400, pid=92333}, {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=5,
nla_type=IFLA_PROTO_DOWN}, 0}, {{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0}, {{nla_type=IFLA_CARRIER_UP_COUNT}, 0}, {{nla_type=IFLA_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER_UP_CARRIER
nla_type=IFLA_CARRIER_DOWN_COUNT}, 0}, {{nla_type=IFLA_MAP}, {mem_start=0,
x00\x00", {{nla_len=10, nla_type=IFLA_BROADCAST}, "\x00\x00\x00\x00\x00\x00\x00\x00\x00}, {{nla_len=196, nla_len=196, nla_len=196,
nla_type=IFLA_STATS64}, {rx_packets=104283, tx_packets=104283, rx_bytes=5729794, tx_bytes=5729794,
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=104283,
tx_packets=104283, rx_bytes=5729794, tx_bytes=5729794, 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=760, 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,
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[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=620, 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=164, reachable time=32040,
retrans time=1000}}, {{nla len=208, 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] = 5,
[IPSTATS_MIB_INOCTETS] = 341, [IPSTATS_MIB_INDELIVERS] = 5,
[IPSTATS MIB OUTFORWDATAGRAMS] = 0, [IPSTATS MIB OUTPKTS] = 5, [IPSTATS MIB OUTOCTETS]
= 341, [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=1324,
type=RTM_NEWLINK, flags=NLM_F_MULTI, seq=1608828400, pid=92333}, {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_MTU}}, 1500}, {{nla_type=IFLA_MTU}}, 1500}, {{nla_typ
nla_type=IFLA_MIN_MTU}, 46}, {{nla_len=8, nla_type=IFLA_MAX_MTU}, 16110}, {{nla_type=IFLA_MAX_MTU}, 16110}, {{nla_type=IFLA_MA
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}, 10}, {{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0}, {{nla_len=8,
nla_type=IFLA_CARRIER_UP_COUNT}, 5}, {{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 5},
{{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\x7c\x08\x1d"}, {{nla_len=10,
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{rx_packets=379844, tx_packets=84001, rx_bytes=502192010, tx_bytes=19215955, 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=379844, tx_packets=84001, rx_bytes=502192010, tx_bytes=19215955,
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=760, 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=620, 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=1434, reachable_time=32540,
retrans_time=1000}}, {{nla_len=208, 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] = 58,
[IPSTATS_MIB_INOCTETS] = 6839, [IPSTATS_MIB_INDELIVERS] = 58,
[IPSTATS_MIB_OUTFORWDATAGRAMS] = 0, [IPSTATS_MIB_OUTPKTS] = 76, [IPSTATS_MIB_OUTOCTETS]
= 8399, [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] = 2, [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] = 58,
[IPSTATS MIB OUTMCASTPKTS] = 76, [IPSTATS MIB INBCASTPKTS] = 0,
[IPSTATS MIB OUTBCASTPKTS] = 0, [IPSTATS MIB INMCASTOCTETS] = 6839,
[IPSTATS_MIB_OUTMCASTOCTETS] = 8399, [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] = 18, [ICMP6_MIB_OUTERRORS] = 0,
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[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) = 2640
92336 rt_sigprocmask(SIG_BLOCK, ~[RTMIN RT_1], <unfinished ...>
92335 rt sigprocmask(SIG BLOCK, ~[RTMIN RT 1], <unfinished ...>
92334 < \dots  set robust list resumed>) = 0
92333 recvmsg(13, <unfinished ...>
92336 <... rt sigprocmask resumed>NULL, 8) = 0
92335 <... rt_sigprocmask resumed>NULL, 8) = 0
92334 rt_sigprocmask(SIG_BLOCK, ~[RTMIN RT_1], <unfinished ...>
92333 <... recvmsg resumed>{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=1608828400, flags=NLM\_F\_MULTI, seq=16088400, flags=NLM\_F\_MULTI, seq=160884000, flags=NLM_F\_MULTI, seq=16088400, flags=NLM_F\_MULTI, seq=1608
pid=92333}, 0}, iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 20
92336 sched_getparam(92336, <unfinished ...>
92335 sched getparam(92335, <unfinished ...>
92334 < \dots rt sigprocmask resumed> NULL, 8) = 0
92333 sendto(13, {{len=20, type=RTM GETADDR, flags=NLM F REQUEST|NLM F DUMP, seq=1608828401,
pid=0}, {ifa_family=AF_UNSPEC, ...}}, 20, 0, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12
<unfinished ...>
92336 < \dots  sched_getparam resumed>[0]) = 0
92335 < \dots  sched_getparam resumed>[0]) = 0
92334 sched_getparam(92334, <unfinished ...>
92333 <... sendto resumed>)
                                               = 20
92336 sched getscheduler(92336 <unfinished ...>
92335 sched getscheduler(92335 < unfinished ...>
92334 < \dots  sched_getparam resumed>[0]) = 0
92333 recvmsg(13, <unfinished ...>
92336 <... sched_getscheduler resumed>) = 0 (SCHED_OTHER)
92335 <... sched_getscheduler resumed>) = 0 (SCHED_OTHER)
92334 sched_getscheduler(92334 <unfinished ...>
92333 <... recvmsg resumed>{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=1608828401, pid=92333}, {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=164, tstamp=164}}]},
{{len=88, type=RTM_NEWADDR, flags=NLM_F_MULTI, seq=1608828401, pid=92333}, {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=67756, ifa_valid=67756, cstamp=1438,
tstamp=622582}}]]], iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 164
92336 sched_setscheduler(92336, SCHED_OTHER, [0] <unfinished ...>
92335 sched_setscheduler(92335, SCHED_OTHER, [0] <unfinished ...>
92334 <... sched getscheduler resumed>) = 0 (SCHED OTHER)
92333 recvmsg(13, <unfinished ...>
92336 <... sched_setscheduler resumed>) = 0
92335 < \dots  sched setscheduler resumed>) = 0
92334 sched_setscheduler(92334, SCHED_OTHER, [0] <unfinished ...>
92333 <... recvmsg resumed>{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=1608828401, pid=92333}, {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=164, tstamp=164}}, {{nla len=8, nla type=IFA FLAGS}, IFA F PERMANENT}]},
{{len=72, type=RTM NEWADDR, flags=NLM F MULTI, seq=1608828401, pid=92333}, {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::18ac:705b:f24b:491c")}, {{nla_len=20, nla_type=IFA_CACHEINFO}, {ifa_prefered=4294967295,
ifa_valid=4294967295, cstamp=1434, tstamp=1632}}, {{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
```

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92336 prctl(PR SET NAME, "ZMQbg/IO/1" <unfinished ...>
92335 prctl(PR_SET_NAME, "ZMQbg/IO/0" <unfinished ...>
92334 < \dots  sched setscheduler resumed>) = 0
92333 recvmsg(13, <unfinished ...>
92336 <... prctl resumed>)
92335 <... prctl resumed>)
                                = 0
92334 prctl(PR_SET_NAME, "ZMQbg/Reaper" <unfinished ...>
92333 <... recvmsg resumed>{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=1608828401,
pid=92333}, 0}, iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 20
92336 epoll_wait(9, <unfinished ...>
92335 epoll_wait(7, <unfinished ...>
92334 <... prctl resumed>)
92333 close(13 <unfinished ...>
92335 <... epoll wait resumed>[{EPOLLIN, {u32=2171032160, u64=93915925926496}}], 256, -1) = 1
92334 epoll wait(5, <unfinished ...>
92333 <... close resumed>)
92335 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92333 socket(AF_INET, SOCK_STREAM|SOCK_CLOEXEC, IPPROTO_TCP <unfinished ...>
92335 <... poll resumed>)
                               = 1 ([{fd=6, revents=POLLIN}])
                                = 13
92333 < ... socket resumed>)
92335 read(6, <unfinished ...>
92333 setsockopt(13, SOL SOCKET, SO REUSEADDR, [1], 4 <unfinished ...>
92335 < ... read resumed > "\1\0\0\0\0\0\0\0\0", 8) = 8
92333 <... setsockopt resumed>)
92335 mmap(NULL, 134217728, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_NORESERVE, -1, 0
<unfinished ...>
92333 bind(13, {sa_family=AF_INET, sin_port=htons(8080), sin_addr=inet_addr("127.0.0.1")}, 16 <unfinished ...>
92335 <... mmap resumed>)
                                 = 0x7f56d77e1000
92333 <... bind resumed>)
                                = -1 EADDRINUSE (Address already in use)
92335 munmap(0x7f56d77e1000, 8515584 <unfinished ...>
92333 close(13 <unfinished ...>
92335 < ... munmap resumed > )
                                   = 0
92333 <... close resumed>)
                                = 0
92335 munmap(0x7f56dc000000, 58593280 <unfinished ...>
92333 futex(0x7f56e171c1e0, FUTEX_WAKE_PRIVATE, 2147483647 <unfinished ...>
92335 <... munmap resumed>)
                                   = 0
92333 <... futex resumed>)
92335 mprotect(0x7f56d8000000, 135168, PROT_READ|PROT_WRITE <unfinished ...>
92333 poll([{fd=11, events=POLLIN}], 1, 0 <unfinished ...>
92335 <... mprotect resumed>)
                                 = 0
92333 <... poll resumed>)
                               = 0 (Timeout)
92335 socket(AF INET, SOCK STREAM|SOCK CLOEXEC, IPPROTO TCP <unfinished ...>
92333 socket(AF_NETLINK, SOCK_RAW|SOCK_CLOEXEC, NETLINK_ROUTE <unfinished ...>
92335 < ... socket resumed > )
                                 = 13
                                = 14
92333 <... socket resumed>)
92335 fcntl(13, F GETFL < unfinished ...>
92333 bind(14, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=000000000}, 12 <unfinished ...>
92335 <... fcntl resumed>)
                               = 0x2 (flags O_RDWR)
92333 <... bind resumed>)
92335 fcntl(13, F_SETFL, O_RDWR|O_NONBLOCK <unfinished ...>
92333 getsockname(14, <unfinished ...>
92335 <... fcntl resumed>)
92333 <... getsockname resumed>{sa_family=AF_NETLINK, nl_pid=92333, nl_groups=00000000}, [12]) = 0
92335 connect(13, {sa family=AF INET, sin port=htons(8080), sin addr=inet addr("127.0.0.1")}, 16 < unfinished ...>
92333 sendto(14, {{len=20, type=RTM_GETLINK, flags=NLM_F_REQUEST|NLM_F_DUMP, seq=1608828400,
pid=0}, {ifi family=AF UNSPEC, ...}}, 20, 0, {sa family=AF NETLINK, nl pid=0, nl groups=00000000}, 12
<unfinished ...>
                                 = -1 EINPROGRESS (Operation now in progress)
92335 <... connect resumed>)
92333 <... sendto resumed>)
                                 = 20
92332 <... epoll_wait resumed>[{EPOLLIN, {u32=4227861344, u64=140630047066976}}], 256, -1) = 1
92335 epoll_ctl(7, EPOLL_CTL_ADD, 13, {0, {u32=3623883600, u64=140010967798608}} <unfinished ...>
92333 recvmsg(14, <unfinished ...>
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92332 accept4(9, <unfinished ...>
                                       = 0
92335 < ... epoll_ctl resumed > )
92333 <... recvmsg resumed>{msg name={sa family=AF NETLINK, nl pid=0, nl groups=00000000},
msg_namelen=12, msg_iov=[{iov_base=[{{len=1316, type=RTM_NEWLINK, flags=NLM_F_MULTI,
seq=1608828400, pid=92333}, {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 TXOLEN}, 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_type=IFLA_MIN_MTU}, 0}, {{nla_type=IFLA_MIN_MTU},
nla_type=IFLA_MAX_MTU}, 0}, {{nla_len=8, nla_type=IFLA_GROUP}, 0}, {{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=5,
nla type=IFLA PROTO DOWN}, 0}, {{nla len=8, nla type=IFLA CARRIER UP COUNT}, 0}, {{nla len=8,
nla type=IFLA CARRIER DOWN COUNT}, 0}, {{nla len=36, nla type=IFLA MAP}, {mem start=0,
nla_type=IFLA_STATS64}, {rx_packets=104286, tx_packets=104286, rx_bytes=5729966, tx_bytes=5729966,
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=104286,
tx packets=104286, rx bytes=5729966, tx bytes=5729966, 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=760, 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=620, 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=164, reachable_time=32040,
retrans_time=1000}}, {{nla_len=208, 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,
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[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] = 5,
[IPSTATS_MIB_INOCTETS] = 341, [IPSTATS_MIB_INDELIVERS] = 5,
[IPSTATS MIB OUTFORWDATAGRAMS] = 0, [IPSTATS MIB OUTPKTS] = 5, [IPSTATS MIB OUTOCTETS]
= 341, [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=1324,
type=RTM_NEWLINK, flags=NLM_F_MULTI, seq=1608828400, pid=92333}, {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_type=IFLA_MAX_MTU}, 16110}, {{nla_type=IFLA_MA
nla_type=IFLA_GROUP}, 0}, {{nla_len=8, nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_
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_SEGS}, 65535}, {{nla_len=8, nla_type=IFLA_GSO_MAX_SEGS}}, {{nla_len=8, nla_type=IFLA_GSO_MAX_SEGS}}, 65535}, {{nla_len=8, nla_type=IFLA_GSO_MAX_SEGS}}, {{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}, 10}, {{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0}, {{nla_len=8,
nla_type=IFLA_CARRIER_UP_COUNT}, 5}, {{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 5},
{{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\x7c\x08\x1d"}, {{nla_len=10,
{rx_packets=379844, tx_packets=84001, rx_bytes=502192010, tx_bytes=19215955, 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=379844, tx packets=84001, rx bytes=502192010, tx bytes=19215955,
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=760, 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]}},
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{{nla len=620, 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=1434, reachable_time=32540,
retrans_time=1000}}, {{nla_len=208, 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] = 58,
[IPSTATS MIB INOCTETS] = 6839, [IPSTATS MIB INDELIVERS] = 58,
[IPSTATS_MIB_OUTFORWDATAGRAMS] = 0, [IPSTATS_MIB_OUTPKTS] = 76, [IPSTATS_MIB_OUTOCTETS]
= 8399, [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] = 2, [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] = 58,
[IPSTATS_MIB_OUTMCASTPKTS] = 76, [IPSTATS_MIB_INBCASTPKTS] = 0,
[IPSTATS_MIB_OUTBCASTPKTS] = 0, [IPSTATS_MIB_INMCASTOCTETS] = 6839,
[IPSTATS_MIB_OUTMCASTOCTETS] = 8399, [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] = 18, [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) = 2640
92332 <... accept4 resumed>{sa_family=AF_INET, sin_port=htons(58908), sin_addr=inet_addr("127.0.0.1")}, [128-
>16], SOCK_CLOEXEC) = 10
92335 epoll ctl(7, EPOLL CTL MOD, 13, {EPOLLOUT, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92333 recvmsg(14, <unfinished ...>
92332 setsockopt(10, SOL_TCP, TCP_NODELAY, [1], 4 <unfinished ...>
92335 <... epoll ctl resumed>)
                             = 0
92333 <... recvmsg resumed>{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=1608828400,
pid=92333}, 0}, iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 20
92332 <... setsockopt resumed>)
92335 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92333 sendto(14, {{len=20, type=RTM GETADDR, flags=NLM F REQUEST|NLM F DUMP, seq=1608828401,
pid=0}, {ifa_family=AF_UNSPEC, ...}}, 20, 0, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12
<unfinished ...>
92332 getpeername(10, <unfinished ...>
92335 <... poll resumed>)
                            = 0 (Timeout)
92333 < ... sendto resumed > )
                             = 20
92332 < ... getpeername resumed>{sa_family=AF_INET, sin_port=htons(58908), sin_addr=inet_addr("127.0.0.1")},
[128->16]) = 0
92335 epoll_wait(7, <unfinished ...>
92333 recvmsg(14, <unfinished ...>
92332 getsockname(10, <unfinished ...>
92335 <... epoll_wait resumed>[{EPOLLOUT, {u32=3623883600, u64=140010967798608}}], 256, -1) = 1
92333 <... recvmsg resumed>{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,
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seq=1608828401, pid=92333}, {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=164, tstamp=164}}]},
{{len=88, type=RTM NEWADDR, flags=NLM F MULTI, seq=1608828401, pid=92333}, {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=67756, ifa_valid=67756, cstamp=1438,
tstamp=622582}}]]], iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 164
92332 <... getsockname resumed>{sa_family=AF_INET, sin_port=htons(8080), sin_addr=inet_addr("127.0.0.1")},
[128->16])=0
92335 epoll ctl(7, EPOLL CTL DEL, 13, 0x7f56d8001354 <unfinished ...>
92333 recvmsg(14, <unfinished ...>
92332 getpeername(10, <unfinished ...>
92335 < ... epoll ctl resumed > )
92333 <... recvmsg resumed>{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=1608828401, pid=92333}, {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=164, tstamp=164}}, {{nla_len=8, nla_type=IFA_FLAGS}, IFA_F_PERMANENT}]},
{{len=72, type=RTM NEWADDR, flags=NLM F MULTI, seq=1608828401, pid=92333}, {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::18ac:705b:f24b:491c")}, {{nla_len=20, nla_type=IFA_CACHEINFO}, {ifa_prefered=4294967295,
ifa_valid=4294967295, cstamp=1434, tstamp=1632}}, {{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
92332 < ... getpeername resumed>{sa_family=AF_INET, sin_port=htons(58908), sin_addr=inet_addr("127.0.0.1")},
[128->16]) = 0
92335 getsockopt(13, SOL SOCKET, SO ERROR, <unfinished ...>
92333 recvmsg(14, <unfinished ...>
92332 fcntl(10, F_GETFL <unfinished ...>
92335 < ...  getsockopt resumed>[0], [4]) = 0
92333 <... recvmsg resumed>{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=1608828401,
pid=92333}, 0}, iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 20
92332 <... fcntl resumed>)
                               = 0x2 (flags O RDWR)
92335 setsockopt(13, SOL_TCP, TCP_NODELAY, [1], 4 <unfinished ...>
92333 close(14 <unfinished ...>
92332 fcntl(10, F SETFL, O RDWR|O NONBLOCK <unfinished ...>
92335 <... setsockopt resumed>)
                                 = 0
92333 <... close resumed>)
                                = 0
                               = 0
92332 <... fcntl resumed>)
92335 getsockname(13, <unfinished ...>
92333 socket(AF_INET, SOCK_STREAM|SOCK_CLOEXEC, IPPROTO_TCP <unfinished ...>
92332 write(6, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
92335 < ... getsockname resumed>{sa_family=AF_INET, sin_port=htons(58908), sin_addr=inet_addr("127.0.0.1")},
[128->16])=0
92333 <... socket resumed>)
                                = 14
92332 <... write resumed>)
                                = 8
92335 getpeername(13, <unfinished ...>
92333 setsockopt(14, SOL SOCKET, SO REUSEADDR, [1], 4 <unfinished ...>
92332 epoll_wait(7, <unfinished ...>
92335 <... getpeername resumed>{sa family=AF INET, sin port=htons(8080), sin addr=inet addr("127.0.0.1")},
[128 - > 16]) = 0
92333 <... setsockopt resumed>)
92332 <... epoll wait resumed>[{EPOLLIN, {u32=2262553184, u64=94620392084064}}], 256, -1) = 1
92335 fcntl(13, F_GETFL <unfinished ...>
92333 bind(14, {sa_family=AF_INET, sin_port=htons(8081), sin_addr=inet_addr("127.0.0.1")}, 16 <unfinished ...>
92332 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
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92335 <... fcntl resumed>)
                                 = 0x802 (flags O RDWR|O NONBLOCK)
92333 <... bind resumed>)
                                 = 0
92332 <... poll resumed>)
                                 = 1 ([{fd=6, revents=POLLIN}])
92335 fcntl(13, F_SETFL, O_RDWR|O_NONBLOCK <unfinished ...>
92333 listen(14, 100 < unfinished ... >
92332 read(6, <unfinished ...>
92335 < ... fcntl resumed > )
                                 = 0
92333 <... listen resumed>)
                                 = 0
92332 < ... \text{ read resumed} > "\1\0\0\0\0\0\0\0\, 8) = 8
92335 write(6, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
92333 getsockname(14, <unfinished ...>
92332 write(8, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
92330 <... poll resumed>)
                                = 1 ([{fd=8, revents=POLLIN}])
92335 <... write resumed>)
                                 = 8
92333 <... getsockname resumed>{sa_family=AF_INET, sin_port=htons(8081), sin_addr=inet_addr("127.0.0.1")},
[128->16]) = 0
92332 <... write resumed>)
                                 = 8
92330 read(8, <unfinished ...>
92335 epoll_wait(7, <unfinished ...>
92333 getsockname(14, <unfinished ...>
92332 epoll_ctl(7, EPOLL_CTL_ADD, 10, {0, {u32=4227898432, u64=140630047104064}} <unfinished ...>
92330 < ... \text{ read resumed} > "\1\0\0\0\0\0\0\0\, 8) = 8
92335 <... epoll wait resumed>[{EPOLLIN, {u32=2171032160, u64=93915925926496}}], 256, -1) = 1
92333 < ... getsockname resumed>{sa_family=AF_INET, sin_port=htons(8081), sin_addr=inet_addr("127.0.0.1")},
[128->16]) = 0
92332 <... epoll_ctl resumed>)
92330 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>
92335 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92333 write(11, "\1\0\0\0\0\0\0", 8 <unfinished ...>
92332 epoll_ctl(7, EPOLL_CTL_MOD, 10, {EPOLLIN, {u32=4227898432, u64=140630047104064}}
<unfinished ...>
92330 <... poll resumed>)
                                 = 0 (Timeout)
                                 = 1 ([{fd=6, revents=POLLIN}])
92335 <... poll resumed>)
92333 <... write resumed>)
92332 <... epoll ctl resumed>)
                                  = 0
92330 poll([{fd=8, events=POLLIN}], 1, -1 <unfinished ...>
92335 read(6, <unfinished ...>
92333 poll([{fd=12, events=POLLIN}], 1, 0 <unfinished ...>
92332 epoll_ctl(7, EPOLL_CTL_MOD, 10, {EPOLLIN|EPOLLOUT, {u32=4227898432, u64=140630047104064}}
<unfinished ...>
92335 < ... read resumed > "\1\0\0\0\0\0\0\0\0", 8) = 8
92333 <... poll resumed>)
                                 = 0 (Timeout)
92332 <... epoll ctl resumed>)
                                  = 0
92335 epoll_ctl(7, EPOLL_CTL_ADD, 13, {0, {u32=3623883600, u64=140010967798608}} <unfinished ...>
92333 socket(AF_NETLINK, SOCK_RAW|SOCK_CLOEXEC, NETLINK_ROUTE <unfinished ...>
92332 recvfrom(10, <unfinished ...>
92335 <... epoll ctl resumed>)
92333 <... socket resumed>)
                                  = 15
92332 <... recvfrom resumed>0x7fe6fc000cf0, 12, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily unavailable)
92335 epoll_ctl(7, EPOLL_CTL_MOD, 13, {EPOLLIN, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92333 bind(15, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12 <unfinished ...>
92332 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92335 <... epoll_ctl resumed>)
92333 <... bind resumed>)
                                 = 0
92332 <... poll resumed>)
                                 = 0 (Timeout)
92335 epoll ctl(7, EPOLL CTL MOD, 13, {EPOLLIN|EPOLLOUT, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92333 getsockname(15, <unfinished ...>
92332 epoll wait(7, <unfinished ...>
92335 <... epoll ctl resumed>)
                                  = 0
92333 <... getsockname resumed>{sa_family=AF_NETLINK, nl_pid=92333, nl_groups=00000000}, [12]) = 0
92332 <... epoll_wait resumed>[{EPOLLOUT, {u32=4227898432, u64=140630047104064}}], 256, 29999) = 1
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92335 recyfrom(13, <unfinished ...>
92333 sendto(15, {{len=20, type=RTM_GETLINK, flags=NLM_F_REQUEST|NLM_F_DUMP, seq=1608828400,
pid=0}, {ifi_family=AF_UNSPEC, ...}}, 20, 0, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12
<unfinished ...>
92332 sendto(10, "\377\0\0\0\0\0\0\0\1\177", 10, 0, NULL, 0 < unfinished ...>
92335 <... recvfrom resumed>0x7f56d8001510, 12, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily
unavailable)
92333 < ... sendto resumed > )
                                          = 20
92332 <... sendto resumed>)
                                          = 10
92335 epoll_ctl(7, EPOLL_CTL_ADD, 14, {0, {u32=3623883712, u64=140010967798720}} <unfinished ...>
92333 recvmsg(15, <unfinished ...>
92332 epoll_ctl(7, EPOLL_CTL_MOD, 10, {EPOLLIN, {u32=4227898432, u64=140630047104064}}
<unfinished ...>
92335 <... epoll_ctl resumed>)
92333 <... recvmsg resumed>{msg name={sa family=AF NETLINK, nl pid=0, nl groups=00000000},
msg namelen=12, msg iov=[{iov base=[{{len=1316, type=RTM NEWLINK, flags=NLM F MULTI,
seq=1608828400, pid=92333}, {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=5,
nla_type=IFLA_PROTO_DOWN}, 0}, {{nla_type=IFLA_CARRIER_UP_COUNT}, 0}, {{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0}, {{nla_type=IFLA_CARRIER_UP_COUNT}, 0}, {{nla_type=IFLA_CARRIER_UP_CARRIER_UP_COUNT}, 0}, {{nla_type=IFLA_CARRIER_UP_COUNT}, 0}, {{nla_type=I
nla_type=IFLA_CARRIER_DOWN_COUNT}, 0}, {{nla_type=IFLA_MAP}, {mem_start=0,
x00\x00", {{nla_len=10, nla_type=IFLA_BROADCAST}, "\x00\x00\x00\x00\x00\x00\x00\x00\x00}, {{nla_len=196, nla_len=196, nla_len=196, nla_type=IFLA_BROADCAST}}
nla_type=IFLA_STATS64}, {rx_packets=104286, tx_packets=104286, rx_bytes=5729966, tx_bytes=5729966,
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=104286,
tx_packets=104286, rx_bytes=5729966, tx_bytes=5729966, 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 NONE}},
{{nla len=760, 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=620, 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=164, reachable_time=32040,
retrans_time=1000}}, {{nla_len=208, nla_type=IFLA_INET6_CONF}, [[DEVCONF_FORWARDING] = 0,
[DEVCONF_HOPLIMIT] = 64, [DEVCONF_MTU6] = 65536, [DEVCONF_ACCEPT_RA] = 1,
```

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[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] = 5,
[IPSTATS MIB INOCTETS] = 341, [IPSTATS MIB INDELIVERS] = 5,
[IPSTATS MIB OUTFORWDATAGRAMS] = 0, [IPSTATS MIB OUTPKTS] = 5, [IPSTATS MIB OUTOCTETS]
= 341, [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=1324,
type=RTM_NEWLINK, flags=NLM_F_MULTI, seq=1608828400, pid=92333}, {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_type=IFLA_MTU}, 1500}, {{nla_type=
nla_type=IFLA_MIN_MTU}, 46}, {{nla_len=8, nla_type=IFLA_MAX_MTU}, 16110}, {{nla_type=IFLA_MAX_MTU}, 16110}, {{nla_type=IFLA_MA
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}, 10}, {{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0}, {{nla_len=8,
nla_type=IFLA_CARRIER_UP_COUNT}, 5}, {{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 5},
{{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\x7c\x08\x1d"}, {{nla_len=10,
{rx_packets=379844, tx_packets=84001, rx_bytes=502192010, tx_bytes=19215955, 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=379844, tx_packets=84001, rx_bytes=502192010, tx_bytes=19215955,
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=760, 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,
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[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=620, 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=1434, reachable_time=32540,
retrans_time=1000}}, {{nla_len=208, 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] = 58,
[IPSTATS_MIB_INOCTETS] = 6839, [IPSTATS_MIB_INDELIVERS] = 58,
[IPSTATS MIB OUTFORWDATAGRAMS] = 0, [IPSTATS MIB OUTPKTS] = 76, [IPSTATS MIB OUTOCTETS]
= 8399, [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] = 2, [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] = 58,
[IPSTATS MIB OUTMCASTPKTS] = 76, [IPSTATS MIB INBCASTPKTS] = 0,
[IPSTATS MIB OUTBCASTPKTS] = 0, [IPSTATS MIB INMCASTOCTETS] = 6839,
[IPSTATS MIB OUTMCASTOCTETS] = 8399, [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] = 18, [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) = 2640
92332 < ... epoll ctl resumed > )
                            = 0
92335 epoll_ctl(7, EPOLL_CTL_MOD, 14, {EPOLLIN, {u32=3623883712, u64=140010967798720}}
<unfinished ...>
92333 recvmsg(15, <unfinished ...>
92332 epoll_wait(7, <unfinished ...>
92335 <... epoll ctl resumed>)
                            = 0
92333 <... recvmsg resumed>{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=1608828400,
pid=92333}, 0}, iov len=4096}], msg iovlen=1, msg controllen=0, msg flags=0}, 0) = 20
92335 poll([{fd=6, events=POLLIN}], 1, 0 < unfinished ...>
92333 sendto(15, {{len=20, type=RTM_GETADDR, flags=NLM_F_REQUEST|NLM_F_DUMP, seq=1608828401,
pid=0}, {ifa_family=AF_UNSPEC, ...}}, 20, 0, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12
<unfinished ...>
92335 <... poll resumed>)
                           = 0 (Timeout)
```

```
92333 < ... sendto resumed > )
                                = 20
92335 epoll_wait(7, <unfinished ...>
92333 recvmsg(15, <unfinished ...>
92335 < ... epoll_wait resumed>[{EPOLLIN|EPOLLOUT, {u32=3623883600, u64=140010967798608}}], 256, 29998)
92333 <... recvmsg resumed>{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=1608828401, pid=92333}, {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=164, tstamp=164}}]},
{{len=88, type=RTM_NEWADDR, flags=NLM_F_MULTI, seq=1608828401, pid=92333}, {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=67756, ifa_valid=67756, cstamp=1438,
tstamp=622582}}]]], iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 164
92335 sendto(13, "\377\0\0\0\0\0\0\\0\1\177", 10, 0, NULL, 0 < unfinished ...>
92333 recvmsg(15, <unfinished ...>
92335 <... sendto resumed>)
                                = 10
92333 <... recvmsg resumed>{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=1608828401, pid=92333}, {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=164, tstamp=164}}, {{nla_len=8, nla_type=IFA_FLAGS}, IFA_F_PERMANENT}]},
{{len=72, type=RTM_NEWADDR, flags=NLM_F_MULTI, seq=1608828401, pid=92333}, {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::18ac:705b:f24b:491c")}, {{nla_len=20, nla_type=IFA_CACHEINFO}, {ifa_prefered=4294967295,
ifa_valid=4294967295, cstamp=1434, tstamp=1632}}, {{nla_len=8, nla_type=IFA_FLAGS}, IFA_F_PERMANENT|
IFA F NOPREFIXROUTE []], joy len=4096], msg joylen=1, msg controllen=0, msg flags=0], 0) = 144
92332 <... epoll_wait resumed>[{EPOLLIN, {u32=4227898432, u64=140630047104064}}], 256, 29999) = 1
92335 epoll_ctl(7, EPOLL_CTL_MOD, 13, {EPOLLIN, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92333 recvmsg(15, <unfinished ...>
92332 recvfrom(10, <unfinished ...>
92335 <... epoll ctl resumed>)
92333 <... recvmsg resumed>{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=1608828401,
pid=92333}, 0}, iov len=4096}], msg iovlen=1, msg controllen=0, msg flags=0}, 0) = 20
92332 <... recvfrom resumed>"\377\0\0\0\0\0\0\0\1\177", 12, 0, NULL, NULL) = 10
92335 recvfrom(13, <unfinished ...>
92333 close(15 <unfinished ...>
92332 epoll_ctl(7, EPOLL_CTL_MOD, 10, {EPOLLIN|EPOLLOUT, {u32=4227898432, u64=140630047104064}}
<unfinished ...>
92335 <... recvfrom resumed>"\377\0\0\0\0\0\0\0\1\177", 12, 0, NULL, NULL) = 10
92333 <... close resumed>)
                               = 0
                                = 0
92332 <... epoll ctl resumed>)
92335 epoll ctl(7, EPOLL CTL MOD, 13, {EPOLLIN|EPOLLOUT, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92333 socket(AF_INET, SOCK_STREAM|SOCK_CLOEXEC, IPPROTO_TCP <unfinished ...>
92332 recvfrom(10, <unfinished ...>
92335 <... epoll_ctl resumed>)
                                = 0
92333 <... socket resumed>)
                                = 15
92332 <... recvfrom resumed>0x7fe6fc000cfa, 2, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily unavailable)
92335 recyfrom(13, <unfinished ...>
92333 setsockopt(15, SOL SOCKET, SO REUSEADDR, [1], 4 <unfinished ...>
92332 epoll_wait(7, <unfinished ...>
92335 <... recvfrom resumed>0x7f56d800151a, 2, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily unavailable)
92333 <... setsockopt resumed>)
                                 = 0
```

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92332 <... epoll wait resumed>[{EPOLLOUT, {u32=4227898432, u64=140630047104064}}], 256, 29998) = 1
92335 epoll_wait(7, <unfinished ...>
92333 bind(15, {sa family=AF INET, sin port=htons(8080), sin addr=inet addr("127.0.0.1")}, 16 < unfinished ...>
92332 sendto(10, "\3", 1, 0, NULL, 0 <unfinished ...>
92335 <... epoll wait resumed>[{EPOLLOUT, {u32=3623883600, u64=140010967798608}}], 256, 29998) = 1
92333 <... bind resumed>)
                                              = -1 EADDRINUSE (Address already in use)
92332 < ... sendto resumed > )
92335 sendto(13, "\3", 1, 0, NULL, 0 < unfinished ...>
92333 close(15 < unfinished ...>
92332 epoll_ctl(7, EPOLL_CTL_MOD, 10, {EPOLLIN, {u32=4227898432, u64=140630047104064}}
<unfinished ...>
                                               = 1
92335 < ... sendto resumed > )
92333 <... close resumed>)
                                               = 0
92332 <... epoll_ctl resumed>)
                                                = 0
92335 epoll ctl(7, EPOLL CTL MOD, 13, {EPOLLIN, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92333 poll([{fd=12, events=POLLIN}], 1, 0 <unfinished ...>
92332 epoll wait(7, <unfinished ...>
92335 <... epoll_ctl resumed>)
92333 <... poll resumed>)
                                              = 0 (Timeout)
92332 <... epoll_wait resumed>[{EPOLLIN, {u32=4227898432, u64=140630047104064}}], 256, 29997) = 1
92335 epoll_wait(7, <unfinished ...>
92333 socket(AF NETLINK, SOCK RAW|SOCK CLOEXEC, NETLINK ROUTE <unfinished ...>
92332 recvfrom(10, <unfinished ...>
92335 <... epoll wait resumed>[{EPOLLIN, {u32=3623883600, u64=140010967798608}}], 256, 29997) = 1
92333 <... socket resumed>)
                                               = 15
92332 <... recvfrom resumed>"\3", 2, 0, NULL, NULL) = 1
92335 recvfrom(13, <unfinished ...>
92333 bind(15, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12 <unfinished ...>
92332 epoll_ctl(7, EPOLL_CTL_MOD, 10, {EPOLLIN|EPOLLOUT, {u32=4227898432, u64=140630047104064}}
<unfinished ...>
92335 <... recvfrom resumed>"\3", 2, 0, NULL, NULL) = 1
92333 <... bind resumed>)
                                              = 0
92332 <... epoll ctl resumed>)
92335 epoll ctl(7, EPOLL CTL MOD, 13, {EPOLLIN|EPOLLOUT, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92333 getsockname(15, <unfinished ...>
92332 recvfrom(10, <unfinished ...>
92335 < ... epoll_ctl resumed > )
                                                = 0
92333 <... getsockname resumed>{sa family=AF NETLINK, nl pid=92333, nl groups=00000000}, [12]) = 0
92332 <... recvfrom resumed>0x7fe6fc000cfb, 53, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily unavailable)
92335 recyfrom(13, <unfinished ...>
92333 sendto(15, {{len=20, type=RTM GETLINK, flags=NLM F REQUEST|NLM F DUMP, seq=1608828400,
pid=0}, {ifi_family=AF_UNSPEC, ...}}, 20, 0, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12
<unfinished ...>
92332 epoll_wait(7, <unfinished ...>
92335 <... recvfrom resumed>0x7f56d800151b, 53, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily
unavailable)
92333 < ... sendto resumed > )
                                               = 20
92332 <... epoll wait resumed>[{EPOLLOUT, {u32=4227898432, u64=140630047104064}}], 256, 29995) = 1
92335 epoll_wait(7, <unfinished ...>
92333 recvmsg(15, <unfinished ...>
92335 <... epoll_wait resumed>[{EPOLLOUT, {u32=3623883600, u64=140010967798608}}], 256, 29995) = 1
92333 <... recvmsg resumed>{msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000},
msg_namelen=12, msg_iov=[{iov_base=[{{len=1316, type=RTM_NEWLINK, flags=NLM_F_MULTI,
seq=1608828400, pid=92333}, {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_type=IFLA_MIN_MTU}, 0}, {{nla_type=IFLA_MIN_MTU},
nla_type=IFLA_MAX_MTU}, 0}, {{nla_len=8, nla_type=IFLA_GROUP}, 0}, {{nla_len=8,
```

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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=5,
nla_type=IFLA_PROTO_DOWN}, 0}, {{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0}, {{nla_len=8,
nla type=IFLA CARRIER DOWN COUNT}, 0}, {{nla len=36, nla type=IFLA MAP}, {mem start=0,
x00\x00"}, {{nla_len=10, nla_type=IFLA_BROADCAST}, "\x00\x00\x00\x00\x00\x00"}, {{nla_len=196,
nla_type=IFLA_STATS64}, {rx_packets=104294, tx_packets=104294, rx_bytes=5730404, tx_bytes=5730404,
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=104294,
tx_packets=104294, rx_bytes=5730404, tx_bytes=5730404, 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=760, 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=620, 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=164, reachable_time=32040,
retrans_time=1000}}, {{nla_len=208, 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] = 5,
[IPSTATS_MIB_INOCTETS] = 341, [IPSTATS_MIB_INDELIVERS] = 5,
[IPSTATS MIB OUTFORWDATAGRAMS] = 0, [IPSTATS MIB OUTPKTS] = 5, [IPSTATS MIB OUTOCTETS]
= 341, [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,
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[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=1324,
type=RTM_NEWLINK, flags=NLM_F_MULTI, seq=1608828400, pid=92333}, {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_type=IFLA_MTU}, 1500}, {{nla_typ
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_SEGS}}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65555}, 65555}, 65555},
nla\_type=IFLA\_GSO\_MAX\_SIZE\},\ 65536\},\ \{\{nla\_len=8,\ nla\_type=IFLA\_NUM\_RX\_QUEUES\},\ 1\},\ \{\{nla\_len=5,\ nla\_type=IFLA\_NUM\_RX\_QUEUES\},\ 1\},\ \{\{nla\_len=5,\ nla\_type=IFLA\_NUM\_RX\_QUEUES\},\ 1\},\ \{\{nla\_len=6,\ nla\_type=IFLA\_NUM\_RX\_QUEUES\},\ 1\},\ 1\}
nla_type=IFLA_CARRIER}, 1}, {{nla_len=13, nla_type=IFLA_QDISC}, "fq_codel"}, {{nla_len=8,
nla_type=IFLA_CARRIER_CHANGES}, 10}, {{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0}, {{nla_len=8,
nla_type=IFLA_CARRIER_UP_COUNT}, 5}, {{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 5},
{{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\x7c\x08\x1d"}, {{nla len=10,
{rx packets=379844, tx packets=84001, rx bytes=502192010, tx bytes=19215955, 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=379844, tx_packets=84001, rx_bytes=502192010, tx_bytes=19215955,
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=760, 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=620, 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=1434, reachable_time=32540,
retrans_time=1000}}, {{nla_len=208, 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,
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[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] = 58,
[IPSTATS_MIB_INOCTETS] = 6839, [IPSTATS_MIB_INDELIVERS] = 58,
[IPSTATS MIB OUTFORWDATAGRAMS] = 0, [IPSTATS MIB OUTPKTS] = 76, [IPSTATS MIB OUTOCTETS]
= 8399, [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] = 2, [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] = 58,
[IPSTATS MIB OUTMCASTPKTS] = 76, [IPSTATS MIB INBCASTPKTS] = 0,
[IPSTATS_MIB_OUTBCASTPKTS] = 0, [IPSTATS_MIB_INMCASTOCTETS] = 6839,
[IPSTATS MIB OUTMCASTOCTETS] = 8399, [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] = 18, [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) = 2640
92332 < ... sendto resumed > )
                             = 53
92333 recvmsg(15, <unfinished ...>
92332 epoll_ctl(7, EPOLL_CTL_MOD, 10, {EPOLLIN, {u32=4227898432, u64=140630047104064}}
<unfinished ...>
92335 <... sendto resumed>)
                             = 53
92333 <... recvmsg resumed>{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=1608828400,
pid=92333}, 0}, iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 20
92332 <... epoll_ctl resumed>)
92335 epoll ctl(7, EPOLL CTL MOD, 13, {EPOLLIN, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92333 sendto(15, {{len=20, type=RTM_GETADDR, flags=NLM_F_REQUEST|NLM_F_DUMP, seq=1608828401,
pid=0}, {ifa_family=AF_UNSPEC, ...}}, 20, 0, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12
<unfinished ...>
92332 epoll wait(7, <unfinished ...>
92335 <... epoll ctl resumed>)
92333 < ... sendto resumed > )
                             = 20
92332 <... epoll_wait resumed>[{EPOLLIN, {u32=4227898432, u64=140630047104064}}], 256, 29993) = 1
92335 epoll_wait(7, <unfinished ...>
92333 recvmsg(15, <unfinished ...>
92332 recvfrom(10, <unfinished ...>
92335 <... epoll_wait resumed>[{EPOLLIN, {u32=3623883600, u64=140010967798608}}], 256, 29993) = 1
92333 <... recvmsg resumed>{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=1608828401, pid=92333}, {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=164, tstamp=164}}]},
{{len=88, type=RTM NEWADDR, flags=NLM F MULTI, seq=1608828401, pid=92333}, {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=67756, ifa_valid=67756, cstamp=1438,
tstamp=622582}}]]], iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 164
```

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53
92335 recvfrom(13, <unfinished ...>
92333 recvmsg(15, <unfinished ...>
92332 epoll ctl(7, EPOLL CTL MOD, 10, {EPOLLIN|EPOLLOUT, {u32=4227898432, u64=140630047104064}}
<unfinished ...>
53
92333 <... recvmsg resumed>{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=1608828401, pid=92333}, {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=164, tstamp=164}}, {{nla_len=8, nla_type=IFA_FLAGS}, IFA_F_PERMANENT}]},
{{len=72, type=RTM NEWADDR, flags=NLM F MULTI, seq=1608828401, pid=92333}, {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::18ac:705b:f24b:491c")}, {{nla len=20, nla type=IFA CACHEINFO}, {ifa prefered=4294967295,
ifa_valid=4294967295, cstamp=1434, tstamp=1632}}, {{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
92332 <... epoll ctl resumed>)
                               = 0
92335 epoll_ctl(7, EPOLL_CTL_MOD, 13, {EPOLLIN|EPOLLOUT, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92333 recvmsg(15, <unfinished ...>
92332 recvfrom(10, <unfinished ...>
92335 <... epoll ctl resumed>)
                               = 0
92333 <... recvmsg resumed>{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=1608828401,
pid=92333}, 0}, iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 20
92332 <... recvfrom resumed>0x7fe6fc00bd98, 8192, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily
unavailable)
92335 recvfrom(13, <unfinished ...>
92333 close(15 < unfinished ... >
92332 epoll wait(7, <unfinished ...>
92335 <... recvfrom resumed>0x7f56d8003b28, 8192, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily
unavailable)
92333 <... close resumed>)
                              = 0
92332 <... epoll wait resumed>[{EPOLLOUT, {u32=4227898432, u64=140630047104064}}], 256, -1) = 1
92335 epoll_wait(7, <unfinished ...>
92333 socket(AF INET, SOCK STREAM|SOCK CLOEXEC, IPPROTO TCP <unfinished ...>
92332 sendto(10, "\4&\5READY\vSocket-Type\0\0\0\3RE0\10Iden"..., 40, 0, NULL, 0 < unfinished ...>
92335 <... epoll wait resumed>[{EPOLLOUT, {u32=3623883600, u64=140010967798608}}], 256, -1) = 1
92333 <... socket resumed>)
                              = 15
92332 < ... sendto resumed > )
                              = 40
92335 sendto(13, "\4\31\5READY\vSocket-Type\0\0\0\3REP", 27, 0, NULL, 0 < unfinished ...>
92333 setsockopt(15, SOL_SOCKET, SO_REUSEADDR, [1], 4 <unfinished ...>
92332 epoll wait(7, <unfinished ...>
92335 < ... sendto resumed > )
                              = 27
92333 < ... setsockopt resumed>)
                                = 0
92332 <... epoll wait resumed>[{EPOLLIN|EPOLLOUT, {u32=4227898432, u64=140630047104064}}], 256, -1) = 1
92335 epoll_wait(7, <unfinished ...>
92333 bind(15, {sa family=AF INET, sin port=htons(8081), sin addr=inet addr("127.0.0.1")}, 16 < unfinished ...>
92332 epoll_ctl(7, EPOLL_CTL_MOD, 10, {EPOLLIN, {u32=4227898432, u64=140630047104064}}
<unfinished ...>
92335 <... epoll wait resumed>[{EPOLLIN|EPOLLOUT, {u32=3623883600, u64=140010967798608}}], 256, -1) = 1
92333 <... bind resumed>)
                              = -1 EADDRINUSE (Address already in use)
92332 <... epoll ctl resumed>)
                               = 0
92335 epoll_ctl(7, EPOLL_CTL_MOD, 13, {EPOLLIN, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92333 close(15 <unfinished ...>
92332 recvfrom(10, <unfinished ...>
92335 <... epoll_ctl resumed>)
                               = 0
92333 <... close resumed>)
                              = 0
```

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92332 <... recvfrom resumed>"\4\31\5READY\vSocket-Type\0\0\0\3REP", 8192, 0, NULL, NULL) = 27
92335 recvfrom(13, <unfinished ...>
92333 poll([{fd=12, events=POLLIN}], 1, 0 <unfinished ...>
92332 epoll_ctl(7, EPOLL_CTL_MOD, 10, {EPOLLIN|EPOLLOUT, {u32=4227898432, u64=140630047104064}}
<unfinished ...>
92335 <... recvfrom resumed>"\4&\5READY\vSocket-Type\0\0\0\3REQ\10Iden"..., 8192, 0, NULL, NULL) = 40
92333 <... poll resumed>)
                                            = 0 (Timeout)
92332 <... epoll ctl resumed>)
                                              = 0
92335 epoll_ctl(7, EPOLL_CTL_MOD, 13, {EPOLLIN|EPOLLOUT, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92333 socket(AF_NETLINK, SOCK_RAW|SOCK_CLOEXEC, NETLINK_ROUTE <unfinished ...>
92332 write(8, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
92330 <... poll resumed>)
                                            = 1 ([{fd=8, revents=POLLIN}])
92335 < ... epoll_ctl resumed > )
                                              = 0
92333 < ... socket resumed > )
                                              = 15
92332 <... write resumed>)
92330 read(8, <unfinished ...>
92335 epoll ctl(7, EPOLL CTL MOD, 13, {EPOLLIN, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92333 bind(15, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}}, 12 <unfinished ...>
92332 sendto(10, "\1\0\0\3pid", 7, 0, NULL, 0 <unfinished ...>
92330 < ... \text{ read resumed} > "\1\0\0\0\0\0\0\0\, 8) = 8
92335 <... epoll ctl resumed>)
                                              = 0
92333 <... bind resumed>)
                                             = 0
92332 < ... sendto resumed > )
                                              = 7
92330 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>
92335 epoll_wait(7, <unfinished ...>
92333 getsockname(15, <unfinished ...>
92332 epoll_wait(7, <unfinished ...>
92330 <... poll resumed>)
                                            = 0 (Timeout)
92335 <... epoll_wait resumed>[{EPOLLIN, {u32=3623883600, u64=140010967798608}}], 256, -1) = 1
92333 < ... getsockname resumed>{sa_family=AF_NETLINK, nl_pid=92333, nl_groups=00000000}, [12]) = 0
92332 <... epoll_wait resumed>[{EPOLLOUT, {u32=4227898432, u64=140630047104064}}], 256, -1) = 1
92330 poll([{fd=8, events=POLLIN}], 1, -1 <unfinished ...>
92335 recvfrom(13, <unfinished ...>
92333 sendto(15, {{len=20, type=RTM_GETLINK, flags=NLM_F_REQUEST|NLM_F_DUMP, seq=1608828400,
pid=0}, {ifi_family=AF_UNSPEC, ...}}, 20, 0, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12
<unfinished ...>
92332 epoll_ctl(7, EPOLL_CTL_MOD, 10, {EPOLLIN, {u32=4227898432, u64=140630047104064}}
<unfinished ...>
92335 <... recvfrom resumed>"\1\0\0\3pid", 8192, 0, NULL, NULL) = 7
92333 <... sendto resumed>)
                                              = 20
92332 <... epoll ctl resumed>)
92335 epoll_wait(7, <unfinished ...>
92333 recvmsg(15, <unfinished ...>
92332 epoll_wait(7, <unfinished ...>
92333 <... recvmsg resumed>{msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000},
msg_namelen=12, msg_iov=[{iov_base=[{{len=1316, type=RTM_NEWLINK, flags=NLM_F_MULTI,
seq=1608828400, pid=92333}, {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_type=IFLA_MIN_MTU}, 0}
nla_type=IFLA_MAX_MTU}, 0}, {{nla_len=8, nla_type=IFLA_GROUP}, 0}, {{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 ODISC}, "noqueue"}, {{nla len=8, nla type=IFLA CARRIER CHANGES}, 0}, {{nla len=5,
nla type=IFLA PROTO DOWN}, 0}, {{nla len=8, nla type=IFLA CARRIER UP COUNT}, 0}, {{nla len=8,
nla_type=IFLA_CARRIER_DOWN_COUNT}, 0}, {{nla_type=IFLA_MAP}, {mem_start=0,
nla_type=IFLA_STATS64}, {rx_packets=104302, tx_packets=104302, rx_bytes=5731000, tx_bytes=5731000,
```

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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, \ rx\_frame\_errors=0, \ rx\_frame
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=104302,
tx packets=104302, rx bytes=5731000, tx bytes=5731000, 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=760, 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\_DEVCO
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=620, 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=164, reachable_time=32040,
retrans_time=1000}}, {{nla_len=208, 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] = 5,
[IPSTATS_MIB_INOCTETS] = 341, [IPSTATS_MIB_INDELIVERS] = 5,
[IPSTATS_MIB_OUTFORWDATAGRAMS] = 0, [IPSTATS_MIB_OUTPKTS] = 5, [IPSTATS_MIB_OUTOCTETS]
= 341, [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,
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nla type=IFLA INET6 ADDR GEN MODE}, IN6 ADDR GEN MODE EUI64}]}]}}, {{len=1324,
type=RTM_NEWLINK, flags=NLM_F_MULTI, seq=1608828400, pid=92333}, {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_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_PROMISCUITY}, 0}, {{nla_type=IFLA_
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_SEGS}, 65535}, {{nla_len=8, nla_type=IFLA_GSO_MAX_SEGS}}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 65535}, 
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}, 10}, {{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0}, {{nla_len=8,
nla_type=IFLA_CARRIER_UP_COUNT}, 5}, {{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 5},
{{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\x7c\x08\x1d"}, {{nla_len=10,
{rx_packets=379844, tx_packets=84001, rx_bytes=502192010, tx_bytes=19215955, 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=379844, tx_packets=84001, rx_bytes=502192010, tx_bytes=19215955,
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_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=620, 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=1434, reachable_time=32540,
retrans_time=1000}}, {{nla_len=208, 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] = 58,
```

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[IPSTATS MIB INOCTETS] = 6839. [IPSTATS MIB INDELIVERS] = 58.
[IPSTATS_MIB_OUTFORWDATAGRAMS] = 0, [IPSTATS_MIB_OUTPKTS] = 76, [IPSTATS_MIB_OUTOCTETS]
= 8399, [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] = 2, [IPSTATS_MIB_OUTNOROUTES] =
0, [IPSTATS MIB REASMTIMEOUT] = 0, [IPSTATS MIB REASMREODS] = 0, [IPSTATS MIB REASMOKS] =
0, [IPSTATS MIB REASMFAILS] = 0, [IPSTATS MIB FRAGOKS] = 0, [IPSTATS MIB FRAGFAILS] = 0,
[IPSTATS MIB FRAGCREATES] = 0, [IPSTATS MIB INMCASTPKTS] = 58,
[IPSTATS MIB OUTMCASTPKTS] = 76, [IPSTATS MIB INBCASTPKTS] = 0,
[IPSTATS_MIB_OUTBCASTPKTS] = 0, [IPSTATS_MIB_INMCASTOCTETS] = 6839,
[IPSTATS_MIB_OUTMCASTOCTETS] = 8399, [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] = 18, [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) = 2640
92333 recvmsg(15, {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=1608828400, pid=92333}, 0},
iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 20
92333 sendto(15, {{len=20, type=RTM_GETADDR, flags=NLM_F_REQUEST|NLM_F_DUMP, seq=1608828401,
pid=0}, {ifa family=AF UNSPEC, ...}}, 20, 0, {sa family=AF NETLINK, nl pid=0, nl groups=00000000}, 12) = 20
92333 recvmsg(15, {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=1608828401, pid=92333},
{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_ADDRESS}, inet_addr("127.0.0.1")}, ...
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=164, tstamp=164}}]}, {{len=88, type=RTM_NEWADDR,
flags=NLM_F_MULTI, seq=1608828401, pid=92333}, {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=67756, ifa_valid=67756, cstamp=1438, tstamp=622582}}]],
iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 164
92333 recvmsg(15, {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=1608828401, pid=92333},
{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=164,
tstamp=164}}, {{nla len=8, nla type=IFA FLAGS}, IFA F PERMANENT}]}, {{len=72, type=RTM NEWADDR,
flags=NLM_F_MULTI, seq=1608828401, pid=92333}, {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::18ac:705b:f24b:491c")}, {{nla_len=20, nla_type=IFA_ADDRESS}, inet_pton(AF_INET6, "fe80::18ac:705b:f24b:491c")}, {{nla_len=20, nla_type=IFA_ADDRESS}, inet_pton(AF_INET6, "fe80::18ac:705b:f24b:491c")}, {{nla_len=20, nla_type=IFA_ADDRESS}, inet_pton(AF_INET6, "fe80::18ac:705b:f24b:491c")}, {{nla_len=20, nla_type=IFA_ADDRESS}}, inet_pton(AF_INET6, "fe80::18ac:705b:f24b:491c")}, {{nla_type=IFA_ADDRESS}}, inet_pton(AF_INET6, "fe80::18ac:705b:f24b:491c")}, {{nla_type=IFA_ADDRESS}}, inet_pton(AF_INET6, "fe80::18ac:705b:f24b:491c")}, {{nla_type=IFA_ADDRESS}}, inet_pton(AF_INET6, "fe80::18ac:705b:f24b:705b:f24b:705b:f24b:705b:f24b:705b:f24b:705b:f24b:705b:f24b:705b:f24b:705b:f24b:705b:f24b:705b:f24b:705b:f24b:705b:f24b:705b:f24b:705b:f
nla_type=IFA_CACHEINFO}, {ifa_prefered=4294967295, ifa_valid=4294967295, cstamp=1434, tstamp=1632}},
{{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
92333 recvmsg(15, {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=1608828401, pid=92333}, 0},
iov len=4096}], msg iovlen=1, msg controllen=0, msg flags=0}, 0) = 20
92333 close(15)
                                     = 0
92333 socket(AF_INET, SOCK_STREAM|SOCK_CLOEXEC, IPPROTO_TCP) = 15
92333 setsockopt(15, SOL SOCKET, SO REUSEADDR, [1], 4) = 0
92333 bind(15, {sa_family=AF_INET, sin_port=htons(8082), sin_addr=inet_addr("127.0.0.1")}, 16) = 0
92333 listen(15, 100)
                                       = 0
92333 getsockname(15, {sa_family=AF_INET, sin_port=htons(8082), sin_addr=inet_addr("127.0.0.1")}, [128->16]) =
92333 getsockname(15, {sa family=AF INET, sin port=htons(8082), sin addr=inet addr("127.0.0.1")}, [128->16]) =
92333 write(8, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
92336 <... epoll_wait resumed>[{EPOLLIN, {u32=2171015952, u64=93915925910288}}], 256, -1) = 1
```

```
92333 <... write resumed>)
                                 = 8
92336 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>
92333 write(12, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
92336 <... poll resumed>)
                                = 1 ([{fd=8, revents=POLLIN}])
92333 <... write resumed>)
                                 = 8
92336 read(8, <unfinished ...>
92333 poll([{fd=10, events=POLLIN}], 1, -1 <unfinished ...>
92336 < ... \text{ read resumed} > "\1\0\0\0\0\0\0\0\0 = 8
92333 <... poll resumed>)
                                = 1 ([{fd=10, revents=POLLIN}])
92336 mmap(NULL, 134217728, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_NORESERVE, -1, 0
<unfinished ...>
92333 read(10, <unfinished ...>
                                   = 0x7f56d0000000
92336 <... mmap resumed>)
92333 < \dots \text{ read resumed} > "\1\0\0\0\0\0\0, 8) = 8
92336 munmap(0x7f56d4000000, 67108864 <unfinished ...>
92333 write(6, "\1\0\0\0\0\0\0\0", 8 < unfinished ...>
92336 <... munmap resumed>)
92335 <... epoll wait resumed>[{EPOLLIN, {u32=2171032160, u64=93915925926496}}], 256, -1) = 1
92333 <... write resumed>)
                                 = 8
92336 mprotect(0x7f56d0000000, 135168, PROT_READ|PROT_WRITE <unfinished ...>
92335 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92333 poll([{fd=10, events=POLLIN}], 1, 0 <unfinished ...>
92336 <... mprotect resumed>)
                                   = 0
92335 <... poll resumed>)
                                = 1 ([{fd=6, revents=POLLIN}])
92333 <... poll resumed>)
                                = 0 (Timeout)
92336 epoll_ctl(9, EPOLL_CTL_ADD, 15, {0, {u32=3489663840, u64=140010833578848}} < unfinished ...>
92335 read(6, <unfinished ...>
92333 getpid( <unfinished ...>
92336 < ... epoll_ctl resumed > )
                                  = 0
92335 < ... read resumed > "1 0 0 0 0 0 0 0 0 = 8
92333 < ... getpid resumed>)
                                 =92333
92336 epoll_ctl(9, EPOLL_CTL_MOD, 15, {EPOLLIN, {u32=3489663840, u64=140010833578848}}
<unfinished ...>
92335 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92333 poll([{fd=10, events=POLLIN}], 1, 0 <unfinished ...>
92336 <... epoll_ctl resumed>)
                                  = 0
92335 <... poll resumed>)
                                = 0 (Timeout)
92333 <... poll resumed>)
                                = 0 (Timeout)
92336 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>
92335 epoll wait(7, <unfinished ...>
92333 write(6, "\1\0\0\0\0\0\0\0", 8 < unfinished ...>
92336 <... poll resumed>)
                                = 0 (Timeout)
92335 <... epoll_wait resumed>[{EPOLLIN, {u32=2171032160, u64=93915925926496}}], 256, -1) = 1
92333 <... write resumed>)
                                 = 8
92336 epoll_wait(9, <unfinished ...>
92335 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92333 poll([{fd=10, events=POLLIN}], 1, -1 <unfinished ...>
92335 <... poll resumed>)
                                = 1 ([{fd=6, revents=POLLIN}])
92335 read(6, "1\0\0\0\0\0\0", 8) = 8
92335 epoll_ctl(7, EPOLL_CTL_MOD, 13, {EPOLLIN|EPOLLOUT, {u32=3623883600, u64=140010967798608}}) =
92335 write(10, "\1\0\0\0\0\0\0\0\", 8) = 8
92333 <... poll resumed>)
                                = 1 ([{fd=10, revents=POLLIN}])
92335 sendto(13, "\1\0\0\10OK:92333", 12, 0, NULL, 0 < unfinished ...>
92333 read(10, <unfinished ...>
92335 <... sendto resumed>)
                                  = 12
92332 <... epoll wait resumed>[{EPOLLIN, {u32=4227898432, u64=140630047104064}}], 256, -1) = 1
92335 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92333 poll([{fd=10, events=POLLIN}], 1, 0 <unfinished ...>
92332 recvfrom(10, <unfinished ...>
92335 <... poll resumed>)
                                = 0 (Timeout)
92333 <... poll resumed>)
                                = 0 (Timeout)
```

```
92332 <... recvfrom resumed>"\1\0\0\10OK:92333", 8192, 0, NULL, NULL) = 12
92335 epoll_wait(7, <unfinished ...>
92333 poll([{fd=10, events=POLLIN}], 1, -1 <unfinished ...>
92332 write(8, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
92330 <... poll resumed>)
                                 = 1 ([{fd=8, revents=POLLIN}])
92335 <... epoll wait resumed>[{EPOLLOUT, {u32=3623883600, u64=140010967798608}}], 256, -1) = 1
92332 < ... write resumed > )
92330 read(8, <unfinished ...>
92335 epoll_ctl(7, EPOLL_CTL_MOD, 13, {EPOLLIN, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92332 epoll_wait(7, <unfinished ...>
92330 < ... \text{ read resumed} > "\1\0\0\0\0\0\0\0\, 8) = 8
92335 < ... epoll ctl resumed > )
92330 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>
92335 epoll wait(7, <unfinished ...>
92330 <... poll resumed>)
                                 = 0 (Timeout)
92330 write(6, "\1\0\0\0\0\0\0\0", 8) = 8
92332 <... epoll wait resumed>[{EPOLLIN, {u32=2262553184, u64=94620392084064}}], 256, -1) = 1
92330 write(1, "OK:92333\n", 9 < unfinished ...>
92332 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92330 <... write resumed>)
                                  = 9
92332 <... poll resumed>)
                                 = 1 ([{fd=6, revents=POLLIN}])
92330 write(1, "> ", 2 < unfinished ...>
92332 read(6, <unfinished ...>
92330 <... write resumed>)
92332 < \dots \text{ read resumed} > "\1\0\0\0\0\0\0\0\, 8) = 8
92330 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>
92332 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92330 <... poll resumed>)
                                 = 0 (Timeout)
92332 <... poll resumed>)
                                 = 0 (Timeout)
92330 write(6, "\1\0\0\0\0\0\0", 8 <unfinished ...>
92332 epoll_wait(7, <unfinished ...>
92330 <... write resumed>)
92332 <... epoll wait resumed>[{EPOLLIN, {u32=2262553184, u64=94620392084064}}], 256, -1) = 1
92330 poll([{fd=8, events=POLLIN}], 1, -1 <unfinished ...>
92332 poll([{fd=6, events=POLLIN}], 1, 0) = 1 ([{fd=6, revents=POLLIN}])
92332 \operatorname{read}(6, "\1\0\0\0\0\0\0, 8) = 8
92332 epoll_ctl(7, EPOLL_CTL_MOD, 10, {EPOLLIN|EPOLLOUT, {u32=4227898432, u64=140630047104064}}) =
0
92332 sendto(10, "\1\0\0\7pingall", 11, 0, NULL, 0 <unfinished ...>
92335 <... epoll wait resumed>[{EPOLLIN, {u32=3623883600, u64=140010967798608}}], 256, -1) = 1
92332 <... sendto resumed>)
92335 recvfrom(13, <unfinished ...>
92332 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92335 <... recvfrom resumed>"\1\0\0\7pingall", 8192, 0, NULL, NULL) = 11
92332 <... poll resumed>)
                                 = 0 (Timeout)
92335 write(10, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
92332 epoll_wait(7, <unfinished ...>
92335 <... write resumed>)
92333 <... poll resumed>)
                                 = 1 ([{fd=10, revents=POLLIN}])
92332 <... epoll_wait resumed>[{EPOLLOUT, {u32=4227898432, u64=140630047104064}}], 256, -1) = 1
92335 epoll wait(7, <unfinished ...>
92333 read(10, <unfinished ...>
92332 epoll_ctl(7, EPOLL_CTL_MOD, 10, {EPOLLIN, {u32=4227898432, u64=140630047104064}}
<unfinished ...>
92333 < \dots \text{ read resumed} > "\1\0\0\0\0\0\0\0\0 = 8
92332 <... epoll ctl resumed>)
92333 poll([{fd=10, events=POLLIN}], 1, 0 <unfinished ...>
92332 epoll wait(7, <unfinished ...>
92333 <... poll resumed>)
                                 = 0 (Timeout)
92333 poll([{fd=10, events=POLLIN}], 1, 0) = 0 (Timeout)
92333 write(6, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
92335 <... epoll_wait resumed>[{EPOLLIN, {u32=2171032160, u64=93915925926496}}], 256, -1) = 1
```

```
92333 <... write resumed>)
                                 = 8
92335 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92333 poll([{fd=10, events=POLLIN}], 1, -1 <unfinished ...>
92335 <... poll resumed>)
                                 = 1 ([{fd=6, revents=POLLIN}])
92335 \text{ read}(6, "\1\0\0\0\0\0\0, 8) = 8
92335 epoll_ctl(7, EPOLL_CTL_MOD, 13, {EPOLLIN|EPOLLOUT, {u32=3623883600, u64=140010967798608}}) =
92335 sendto(13, "\1\0\0\0021", 6, 0, NULL, 0) = 6
92332 <... epoll_wait resumed>[{EPOLLIN, {u32=4227898432, u64=140630047104064}}], 256, -1) = 1
92335 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92332 recvfrom(10, <unfinished ...>
92335 <... poll resumed>)
                                 = 0 (Timeout)
92332 <... recvfrom resumed>"\1\0\0\0021 ", 8192, 0, NULL, NULL) = 6
92335 epoll_wait(7, <unfinished ...>
92332 write(8, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
92330 <... poll resumed>)
                                 = 1 ([{fd=8, revents=POLLIN}])
92335 <... epoll wait resumed>[{EPOLLOUT, {u32=3623883600, u64=140010967798608}}], 256, -1) = 1
92332 < ... write resumed > )
92330 read(8, <unfinished ...>
92335 epoll_ctl(7, EPOLL_CTL_MOD, 13, {EPOLLIN, {u32=3623883600, u64=140010967798608}}
<unfinished ...>
92332 epoll_wait(7, <unfinished ...>
92330 < ... read resumed > "100000000", 8 = 8
92335 <... epoll ctl resumed>)
92330 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>
92335 epoll_wait(7, <unfinished ...>
92330 <... poll resumed>)
                                 = 0 (Timeout)
92330 write(1, "Received nodes: 1 \n", 19) = 19
92330 write(1, "Nodes list: 1 \n", 19) = 19
92330 write(1, "> ", 2)
92330 kill(92333, SIGTERM)
                                    = 0
92333 <... poll resumed>)
                                 = ? ERESTART_RESTARTBLOCK (Interrupted by signal)
92330 kill(92333, SIGKILL <unfinished ...>
92333 --- SIGTERM {si_signo=SIGTERM, si_code=SI_USER, si_pid=92330, si_uid=1000} ---
92330 < ... kill resumed>)
                                 = 0
92336 < ... epoll_wait resumed > < unfinished ... >) = ?
92335 <... epoll wait resumed > \langle unfinished ... >) = ?
92334 <... epoll_wait resumed> <unfinished ...>) = ?
92330 write(1, "OK\n", 3 < unfinished ...>
92336 +++ killed by SIGKILL +++
92335 +++ killed by SIGKILL +++
92334 +++ killed by SIGKILL +++
92333 +++ killed by SIGKILL +++
92332 <... epoll_wait resumed>[{EPOLLIN, {u32=4227898432, u64=140630047104064}}], 256, -1) = 1
92330 <... write resumed>)
                                 = ? ERESTARTSYS (To be restarted if SA_RESTART is set)
92332 recvfrom(10, <unfinished ...>
92330 --- SIGCHLD {si_signo=SIGCHLD, si_code=CLD_KILLED, si_pid=92333, si_uid=1000, si_status=SIGKILL,
si_utime=0, si_stime=0} ---
92332 <... recvfrom resumed>"", 8192, 0, NULL, NULL) = 0
92330 write(1, "OK\n", 3 < unfinished ...>
92332 write(6, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
92330 <... write resumed>)
                                 =3
92332 <... write resumed>)
                                 = 8
92330 write(1, "> ", 2 < unfinished ...>
92332 epoll ctl(7, EPOLL CTL DEL, 10, 0x7fe6fc009c44 <unfinished ...>
                                 = 2
92330 <... write resumed>)
92332 <... epoll ctl resumed>)
                                   = 0
92330 write(4, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
92332 close(10 <unfinished ...>
92330 <... write resumed>)
                                 = 8
92332 <... close resumed>)
                                 = 0
92331 <... epoll_wait resumed>[{EPOLLIN, {u32=2262535520, u64=94620392066400}}], 256, -1) = 1
92330 write(8, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
```

```
92332 epoll wait(7, <unfinished ...>
92331 poll([{fd=4, events=POLLIN}], 1, 0 <unfinished ...>
92330 <... write resumed>)
                                 = 8
92332 <... epoll_wait resumed>[{EPOLLIN, {u32=2262553184, u64=94620392084064}}], 256, -1) = 1
92331 <... poll resumed>)
                                 = 1 ([{fd=4, revents=POLLIN}])
92330 poll([{fd=3, events=POLLIN}], 1, -1 < unfinished ...>
92332 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92331 read(4, <unfinished ...>
92332 <... poll resumed>)
                                 = 1 ([{fd=6, revents=POLLIN}])
92331 < ... \text{ read resumed} > "\1\0\0\0\0\0\0", 8) = 8
92332 read(6, <unfinished ...>
92331 mmap(NULL, 134217728, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_NORESERVE, -1, 0
<unfinished ...>
92332 < ... \text{ read resumed} > "\1\0\0\0\0\0\0\0 = 8
92331 <... mmap resumed>)
                                   = 0x7fe6f4000000
92332 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92331 munmap(0x7fe6f8000000, 67108864 <unfinished ...>
92332 <... poll resumed>)
                                 = 0 (Timeout)
92331 <... munmap resumed>)
92332 epoll wait(7, <unfinished ...>
92331 mprotect(0x7fe6f4000000, 135168, PROT_READ|PROT_WRITE) = 0
92331 epoll_ctl(5, EPOLL_CTL_ADD, 8, {0, {u32=4093643616, u64=140629912849248}}) = 0
92331 epoll ctl(5, EPOLL CTL MOD, 8, {EPOLLIN, {u32=4093643616, u64=140629912849248}}) = 0
92331 write(6, "\1\0\0\0\0\0\0\0", 8 < unfinished ...>
92332 <... epoll wait resumed>[{EPOLLIN, {u32=2262553184, u64=94620392084064}}], 256, -1) = 1
92331 <... write resumed>)
                                 = 8
92332 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92331 poll([{fd=4, events=POLLIN}], 1, 0 <unfinished ...>
92332 <... poll resumed>)
                                 = 1 ([{fd=6, revents=POLLIN}])
92331 <... poll resumed>)
                                 = 0 (Timeout)
92332 read(6, <unfinished ...>
92331 epoll_wait(5, <unfinished ...>
92332 < ... \text{ read resumed} > "\1\0\0\0\0\0\0\0 = 8
92331 <... epoll wait resumed>[{EPOLLIN, {u32=4093643616, u64=140629912849248}}], 256, -1) = 1
92332 epoll ctl(7, EPOLL CTL DEL, 9, 0x7fe6fc000b64 <unfinished ...>
92331 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>
92332 <... epoll ctl resumed>)
                                  = 0
92331 <... poll resumed>)
                                 = 1 ([{fd=8, revents=POLLIN}])
92332 close(9 <unfinished ...>
92331 read(8, <unfinished ...>
92332 <... close resumed>)
                                 = 0
92331 < \dots \text{ read resumed} > "\1\0\0\0\0\0\0\0 = 8
92332 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92331 write(6, "\1\0\0\0\0\0\0\", 8 <unfinished ...>
92332 <... poll resumed>)
                                 = 0 (Timeout)
92331 <... write resumed>)
                                 = 8
92332 epoll_wait(7, <unfinished ...>
92331 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>
92332 <... epoll_wait resumed>[{EPOLLIN, {u32=2262553184, u64=94620392084064}}], 256, -1) = 1
92331 <... poll resumed>)
                                 = 0 (Timeout)
92332 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92331 epoll wait(5, <unfinished ...>
92332 <... poll resumed>)
                                 = 1 ([{fd=6, revents=POLLIN}])
92332 read(6, "1\0\0\0\0\0\0\, 8) = 8
92332 write(8, "\1\0\0\0\0\0\0\0\", 8) = 8
92331 <... epoll_wait resumed>[{EPOLLIN, {u32=4093643616, u64=140629912849248}}], 256, -1) = 1
92332 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92331 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>
92332 <... poll resumed>)
                                 = 0 (Timeout)
92331 <... poll resumed>)
                                 = 1 ([{fd=8, revents=POLLIN}])
92332 epoll_wait(7, <unfinished ...>
92331 read(8, "1\0\0\0\0\0\0\, 8) = 8
92331 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)
```

```
92331 epoll_ctl(5, EPOLL_CTL_DEL, 8, 0x7fe6f4000b64) = 0
92331 write(4, "\1\0\0\0\0\0\0\0", 8) = 8
92331 close(8)
92331 epoll_wait(5, [{EPOLLIN, {u32=2262535520, u64=94620392066400}}], 256, -1) = 1
92331 poll([{fd=4, events=POLLIN}], 1, 0) = 1 ([{fd=4, revents=POLLIN}])
92331 read(4, "\1\0\0\0\0\0\0\0\0", 8) = 8
92331 write(3, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
92330 <... poll resumed>)
                                = 1 ([{fd=3, revents=POLLIN}])
                                = 8
92331 <... write resumed>)
92330 read(3, <unfinished ...>
92331 epoll_ctl(5, EPOLL_CTL_DEL, 4, 0x560e86db8d64 <unfinished ...>
92330 < ... \text{ read resumed} > "\1\0\0\0\0\0\0\0\, 8) = 8
92331 <... epoll_ctl resumed>)
92330 write(6, "\1\0\0\0\0\0\0\", 8 <unfinished ...>
92331 poll([{fd=4, events=POLLIN}], 1, 0 <unfinished ...>
92330 <... write resumed>)
92332 <... epoll wait resumed>[{EPOLLIN, {u32=2262553184, u64=94620392084064}}], 256, -1) = 1
92331 <... poll resumed>)
                                = 0 (Timeout)
92330 futex(0x7fe70393d9d0, FUTEX_WAIT, 92332, NULL <unfinished ...>
92332 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>
92331 madvise(0x7fe70393e000, 8368128, MADV_DONTNEED <unfinished ...>
92332 <... poll resumed>)
                                = 1 ([{fd=6, revents=POLLIN}])
92331 <... madvise resumed>)
                                  = 0
92332 read(6, <unfinished ...>
92331 exit(0 < unfinished ... >
92332 < ... \text{ read resumed} > "\1\0\0\0\0\0\0\0\, 8) = 8
92331 <... exit resumed>)
                                = 5
92332 epoll_ctl(7, EPOLL_CTL_DEL, 6, 0x560e86dbd264 <unfinished ...>
92331 +++ exited with 0 +++
92332 <... epoll_ctl resumed>)
92332 poll([\{fd=6, events=POLLIN\}\}], 1, 0) = 0 (Timeout)
92332 madvise(0x7fe70313d000, 8368128, MADV_DONTNEED) = 0
92332 exit(0)
92330 <... futex resumed>)
                                = 0
92332 +++ exited with 0 +++
                            = 0
92330 close(7)
92330 close(6)
                            = 0
92330 close(5)
                            = 0
92330 close(4)
                            = 0
92330 close(3)
                            = 0
92330 lseek(0, -1, SEEK_CUR)
                                    = 30
92330 exit_group(0)
                              =?
92330 +++ exited with 0 +++
4. Листинг программы
[leo@pc src]$ cat main.cpp
#include "server.hpp"
#include "tree.hpp"
#include <algorithm>
#include <csignal>
#include <iostream>
#include <set>
#include <string>
#include <unistd.h>
#include <vector>
#include <zmq.hpp>
int main()
{
    zmq::context_t context(1);
    zmq::socket_t mainSocket(context, ZMQ_REQ);
    // ZMQ_SNDTIMEO: Maximum time before a send operation returns with EAGAIN
    mainSocket.setsockopt(ZMQ_SNDTIMEO, 2000);
    // ZMQ_LINGER: linger period determines how long pending messages which have yet to be sent to a
peer shall linger in memory after a socket is closed
    int linger = 0;
    mainSocket.setsockopt(ZMQ_LINGER, &linger, sizeof(linger));
```

```
int port = bindSocket(mainSocket);
Tree tree;
int childPid = 0;
int childId = 0;
int createNodeId;
int id:
char excmd;
std::string word;
int val;
std::string sendingMsg;
std::string receivedMsg;
std::string cmd;
while (std::cout << "> " && std::cin >> cmd) {
   if (cmd == "create") {
         std::cin >> createNodeId;
         if (childPid == 0) {
    childPid = fork();
             if (childPid == '-1) {
    std::cout << "Unable to create first worker node\n";</pre>
                  childPid = 0;
                  exit(1);
             else if (childPid == 0) {
                  createNode(createNodeId, port);
             else {
                  childId = createNodeId;
                  sendMessage(mainSocket, "pid");
                  receivedMsg = receiveMessage(mainSocket);
             }
        }
else {
              std::ostringstream sendingMsgStream;
             sendingMsgStream << "create " << createNodeId;</pre>
             sendMessage(mainSocket, sendingMsgStream.str());
             receivedMsg = receiveMessage(mainSocket);
         }
         if (receivedMsg.substr(0, 2) == "OK") {
              tree.insert(createNodeId);
         std::cout << receivedMsg << "\n";</pre>
    else if (cmd == "remove") {
         if (childPid == 0) {
             std::cout << "Error: Not found\n";
             continue;
         std::cin >> createNodeId;
         if (createNodeId == childId) {
             kill(childPid, SIGTERM);
kill(childPid, SIGKILL);
              childId = childPid = 0;
             std::cout << "OK\n";
             tree.erase(createNodeId);
             continue;
         sendingMsg = "remove " + std::to_string(createNodeId);
sendMessage(mainSocket, sendingMsg);
         receivedMsg = receiveMessage(mainSocket);
         if (receivedMsg.substr(0, 2) == "OK")
         tree.erase(createNodeId);
std::cout << receivedMsg << "\n";</pre>
    else if (cmd == "exec") {
         std::cin >> id >> excmd >> word;
if (excmd == '+')
             std::cin >> val;
         sendingMsg = "exec " + std::to_string(id);
         sendMessage(mainSocket, sendingMsg);
         receivedMsg = receiveMessage(mainSocket);
         if (receivedMsg == "Node is available") {
```

```
if (excmd == '+') {
                      tree.dictInsertWord(id, word, val);
                      std::cout << "OK:" << id << std::endl;
                 if (excmd == '?') {
    std::cout << "OK:" << id << ": ";</pre>
                     tree.dictGetWord(id, word);
                 }
            }
            else {
                 std::cout << receivedMsg << std::endl;</pre>
            }
        } else if (cmd == "ping") {
            std::cin >> id;
             std::vector<int> nodesList = tree.getNodesList();
             bool nodeExists = binary_search(nodesList.begin(), nodesList.end(), id);
            if (nodeExists == 0) {
                 std::cout << "Error: Not found\n";
            else {
                 sendMessage(mainSocket, "exec " + std::to_string(id));
                 receivedMsg = receiveMessage(mainSocket);
                 std::istringstream is;
                 if (receivedMsg.substr(0, 5) == "Error")
    std::cout << "OK:0\n";</pre>
                 else
                     std::cout << "0K:1\n";
            }
        }
        else if (cmd == "pingall") {
            std::vector<int> nodesList = tree.getNodesList();
            if (nodesList.empty()) {std::cout << "Error: Tree is empty\n"; continue;}</pre>
             sendMessage(mainSocket, "pingall");
             receivedMsg = receiveMessage(mainSocket);
            std::istringstream is;
            if (receivedMsg.substr(0, 5) == "Error")
                 is = std::istringstream("");
             else
                 is = std::istringstream(receivedMsg);
            std::set<int> receivedNodes;
            int rec_id;
            while (is >> rec_id) {
                 receivedNodes.insert(rec_id);
            std::cout << "Received nodes: ";</pre>
            for (const int &i : receivedNodes)
    std::cout << i << " ";</pre>
             std::cout << "\nNodes list:</pre>
             for (const int &i : nodesList)
                 std::cout << i << " ";
            std::cout << "\n";
        else if (cmd == "exit") {
            break;
        else {
            std::cout << "Unknown command\n";
    }
    return 0;
[leo@pc src]$ cat child.cpp
#include "server hpp"
#include <csignal>
#include <string>
#include <unistd.h>
int main(int argc, char **argv)
    // аĐ¹Đ´Đ¸ и Đ½Đ¾Đ¼ĐµÑ€ Đ¿Đ¾Ñ€Ñ,а, а а-Ñ€Ñ∢Đ¼ Đ½ÑƒĐ¶Đ½Đ¾ Đ¿Đ¾Đ´Đ°Đ»ÑŽÑ‡ĐͺÑ,ÑŒÑ⊡Ñ□
    int id = std::stoi(argv[1]);
    int parentPort = std::stoi(argv[2]);
    // Đ¿Đ¾Đ´Đ°Đ»ÑŽÑ‡ĐμĐ½Đ, Đμ
```

```
zmq::context_t context(2);
        zmq::socket_t parentSocket(context, ZMQ_REP);
        parentSocket.connect(getPortName(parentPort));
        zmq::socket_t leftSocket(context, ZMQ_REQ);
        zmq::socket_t rightSocket(context, ZMQ_REQ);
        int linger = 0:
        leftSocket.setsockopt(ZMQ_SNDTIMEO, 2000);
        leftSocket.setsockopt(ZMQ_LINGER, &linger, sizeof(linger));
        rightSocket.setsockopt(ZMO_SNDTIMEO, 2000);
        rightSocket.setsockopt(ZMQ_LINGER, &linger, sizeof(linger));
        int leftPort = bindSocket(leftSocket);
        int rightPort = bindSocket(rightSocket);
        // Đ²Ñ□Đ¿Đ¾Đ¾Đ¾Đ3аÑ,ĐμĐ»ÑŒĐ½Ñ<Đμ Đ¿ĐμÑ€ĐμĐ¾ĐμĐ½Đ½Ñ<Đμ
        int leftPid = 0;
        int rightPid = 0;
        int leftId = 0;
        int rightId = 0;
        std::string request;
        std::string cmd;
        while (true) {
                request = receiveMessage(parentSocket);
                std::istringstream cmdStream(request);
                cmdStream >> cmd;
                if (cmd == "id") (
                        printf("debug\n");
                        std::string parentString = "OK:" + std::to_string(id);
                        sendMessage(parentSocket, parentString);
                else if (cmd == "pid") {
                       std::string parentString = "OK:" + std::to_string(getpid());
                       sendMessage(parentSocket, parentString);
                else if (cmd == "create") {
                       int idToCreate;
                       cmdStream >> idToCreate;
                       // ÑfĐ¿Ñ€Đ°Đ²Đ»Ñ□ÑŽÑ^Đ,Đ¹ ÑfĐ·ĐμĐ» Ñ□Đ¾Đ¾Đ±Ñ‰Đ°ĐμÑ, id Đ½Đ¾Đ²Đ¾Đ³Đ¾ Ñfзла Đ.
std::string msgString = "Error: Already exists";
                               sendMessage(parentSocket, msgString);
                        else if (idToCreate < id) {
                               if (leftPid == 0) {
                                        leftPid = fork();
                                        if (leftPid == -1) {
                                               sendMessage(parentSocket, "Error: fork fails");
                                                leftPid = 0;
                                       else if (leftPid == 0) {
                                               createNode(idToCreate, leftPort);
                                       else {
                                               leftId = idToCreate;
                                               sendMessage(leftSocket, "pid");
                                               sendMessage(parentSocket, receiveMessage(leftSocket));
                               }
                               else {
                                        sendMessage(leftSocket, request);
                                        sendMessage(parentSocket, receiveMessage(leftSocket));
                       }
else {
  if (rightPid == 0) {
    rightPid = fork(
    rightPid == fork(
    righ
                                       rightPid = fork();
                                       if (rightPid == -1) {
    sendMessage(parentSocket, "Error: fork fails");
                                               rightPid = 0;
                                        else if (rightPid == 0) {
                                               createNode(idToCreate, rightPort);
```

```
else {
                         rightId = idToCreate;
                         sendMessage(rightSocket, "pid");
                         sendMessage(parentSocket, receiveMessage(rightSocket));
                 else {
                     sendMessage(rightSocket, request);
                     sendMessage(parentSocket, receiveMessage(rightSocket));
            }
        else if (cmd == "remove") {
            int idToDelete;
            cmdStream >> idToDelete;
            if (idToDelete < id) {</pre>
                 if (leftId == 0) {
                     sendMessage(parentSocket, "Error: Node not found");
                 else if (leftId == idToDelete) {
    sendMessage(leftSocket, "recursiveKilling");
                     receiveMessage(leftSocket);
                     kill(leftPid, SIGTERM);
                     kill(leftPid, SIGKILL);
                     leftid = 0;
                     leftPid = 0;
                     sendMessage(parentSocket, "OK");
                 else {
                     sendMessage(leftSocket, request);
                     sendMessage(parentSocket, receiveMessage(leftSocket));
            sendMessage(parentSocket, "Error: Node not found");
                 else if (rightId == idToDelete) {
    sendMessage(rightSocket, "recursiveKilling");
                     receiveMessage(rightSocket);
                     kill(rightPid, SIGTERM);
kill(rightPid, SIGKILL);
                     rightId = 0;
                     rightPid = 0;
                     sendMessage(parentSocket, "OK");
                 else {
                     sendMessage(rightSocket, request);
                     sendMessage(parentSocket, receiveMessage(rightSocket));
            }
        else if (cmd == "exec") {
            int execNodeId;
            cmdStream >> execNodeId;
            if (execNodeId == id) {
    std::string receiveMessage = "Node is available";
                 sendMessage(parentSocket, receiveMessage);
            else if (execNodeId < id) {
                 if (leftPid == 0) {
                     std::string receiveMessage = "Error:" + std::to_string(execNodeId) + ": Not
found";
                     sendMessage(parentSocket, receiveMessage);
                 }
                 else {
                     sendMessage(leftSocket, request);
                     sendMessage(parentSocket, receiveMessage(leftSocket));
            std::string receiveMessage = "Error:" + std::to_string(execNodeId) + ": Not
found";
                     sendMessage(parentSocket, receiveMessage);
                     sendMessage(rightSocket, request);
                     sendMessage(parentSocket, receiveMessage(rightSocket));
```

```
}
        else if (cmd == "pingall") {
             std::ostringstream res;
             std::string leftRes;
             std::string rightRes;
             res << id << "";
             if (leftPid != 0) {
                 sendMessage(leftSocket, "pingall");
                 leftRes = receiveMessage(leftSocket);
             if (rightPid != 0) {
    sendMessage(rightSocket, "pingall");
}
                 rightRes = receiveMessage(rightSocket);
             if (!leftRes.empty() && leftRes.substr(0, 5) != "Error") {
    res << leftRes << " ";</pre>
             if (!rightRes.empty() && rightRes.substr(0, 5) != "Error") {
                 res << rightRes << " ";
             sendMessage(parentSocket, res.str());
        else if (cmd == "recursiveKilling") {
             if (leftPid == 0 && rightPid == 0) {
    sendMessage(parentSocket, "OK");
             sendMessage(leftSocket, "recursiveKilling");
                      receiveMessage(leftSocket);
                      kill(leftPid, SIGTERM);
kill(leftPid, SIGKILL);
                 if (rightPid != 0) {
                      sendMessage(rightSocket, "recursiveKilling");
                      receiveMessage(rightSocket);
                      kill(rightPid, SIGTERM);
kill(rightPid, SIGKILL);
                 sendMessage(parentSocket, "OK");
             }
        if (parentPort == 0) {
             break;
}[leo@pc src]$ cat server.hpp
#pragma once
#include <cstdlib>
#include <string>
#include <unistd.h>
#include <zmq.hpp>
// send message to the particular socket
bool sendMessage(zmq::socket_t &socket, const std::string &message_string)
{
    // message size init
    zmq::message_t message(message_string.size());
    // message content init
    memcpy(message.data(), message_string.c_str(), message_string.size());
    return socket.send(message);
}
std::string receiveMessage(zmq::socket_t &socket)
{
    zmq::message_t message;
    int recResult;
    // receiving message from socket
         recResult = (int)socket.recv(&message);
         if (recResult < 0) {
             perror("socket.recv()");
             exit(1);
        }
    catch (...) {
        recResult = 0;
```

```
// transform to string
    std::string recieved_message((char *)message.data(), message.size());
if (recieved_message.empty() || !recResult) {
        return "Error: Node is not available";
    return recieved_message;
}
std::string getPortName(int port)
{
    return "tcp://127.0.0.1:" + std::to_string(port);
int bindSocket(zmq::socket_t &socket)
    int port = 8080;
    // create endpoint and bind it to the socket
    while (true) {
        try {
             socket.bind(getPortName(port));
             break;
        catch (...) {
             port++;
    return port;
}
void createNode(int id, int port)
    // new node process
    execl("./child", "child", std::to_string(id).c_str(), std::to_string(port).c_str(), NULL);
}[leo@pc src]$ cat tree.hpp
#pragma once
#include <iostream>
#include <vector>
#include <unordered_map>
class Tree {
private:
    struct Node;
public:
    Tree() = default;
    ~Tree()
    {
        deleteTree(root);
    }
    bool find(const int &id)
        Node *temp = root;
        while (temp != nullptr) {
             if (temp->id == id)
                 break;
             if (id > temp->id)
                 temp = temp->right;
             if (id < temp->id)
                 temp = temp->left;
         return temp != nullptr;
    }
    void insert(int id)
         if (root == nullptr) {
             root = new Node(id);
             return;
        Node *temp = root;
        while (temp != nullptr) {
             if (id == temp->id)
                 break;
             if (id < temp->id) {
   if (temp->left == nullptr) {
                     temp->left = new Node(id);
                     break:
```

```
temp = temp->left;
             if (temp->right == nullptr) {
                      temp->right = new Node(id);
                      break;
                 temp = temp->right;
             }
        }
    }
    void erase(int id)
        Node *prev_id = nullptr;
Node *temp = root;
        while (temp != nullptr) {
             if (id == temp->id) {
                 if (prev_id == nullptr) {
                      root = nullptr;
                 else {
                      if (prev_id->left == temp)
                          prev_id->left = nullptr;
                      else
                          prev_id->right = nullptr;
                 deleteTree(temp);
             else if (id < temp->id) {
                 prev_id = temp;
                  temp = temp->left;
             else if (id > temp->id) {
                 prev_id = temp;
                  temp = temp->right;
             }
        }
    }
    std::vector<int> getNodesList() const
        std::vector<int> result;
        getNodesList(root, result);
         return result;
    }
    void dictInsertWord(int id, std::string word, int value)
        Node *node = getNodeById(root, id);
        node->dictionary[word] = value;
    void dictGetWord(int id, std::string word)
    {
        Node *node = getNodeById(root, id);
if (node->dictionary.find(word) == node->dictionary.end())
    std::cout << "'" << word << "' not found" << '\n';</pre>
        else
             std::cout << node->dictionary[word] << '\n';</pre>
    }
private:
    struct Node {
        Node(int id) : id(id) {}
        int id = 0;
        Node *left = nullptr;
        Node *right = nullptr;
        std::unordered_map<std::string, int> dictionary;
    };
    Node *root = nullptr;
    Node *getNodeById(Node *root, int id)
        if (root == nullptr || root->id == id) {
             return root;
        }
```

```
if (root->id < id) {</pre>
            return getNodeById(root->right, id);
        return getNodeById(root->left, id);
    void getNodesList(Node *node, std::vector<int> &v) const
        if (node == nullptr)
            return;
        getNodesList(node->left, v);
        v.push_back(node->id);
        getNodesList(node->right, v);
    void deleteTree(Node *node)
        if (node == nullptr)
            return;
        deleteTree(node->left);
        deleteTree(node->right);
        delete node:
};
```

5. Выводы

По мере выполнения данной лабораторной работы я освоил большое количество навыков: в первую очередь, научился работать с очередями сообщений. На примере библиотеки ZeroMQ я описал взаимодействие между двумя разными программами с помощью неё.

Также я описал бинарное дерево с поддержкой различных операций, в том числе — хранение в узлах дерева словаря. Это было нетрудно, благо, в STL существует контейнер unordered_map, позволяющий производить все необходимые для работы со словарём операции быстро и эффективно.

Помимо всего этого, удалось реализовать два вида проверки доступности узлов — ping id и pingall. Первый было поставлено реализовать по заданию, а второй — для удобного тестирования программы.

ZeroMQ — прекрасная технология, мне понравилось с ней работать, ибо её API кроток и понятен. Функции описываются на довольно-таки «высокоуровневом» языке. Плюс ко всему есть «обертка», более высокоуровневая библиотека сррхта, сокращающая объем кода в несколько раз. Также радует, что библиотека является кроссплатформенной.