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**Лабораторная работа №5-7 по курсу**

**«Операционные системы»**

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# Постановка задачи

## Вариант 34.

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, но родительские узлы должны сохранить свою работоспособность. Управляющий узел отвечает за ввод команд от пользователя и отправку этих команд на вычислительные узлы. Список основных поддерживаемых команд:

- Создание нового вычислительного узла

Формат команды: create id [parent]

id – целочисленный идентификатор нового вычислительного узла

parent – целочисленный идентификатор родительского узла. Если топологией не предусмотрено введение данного параметра, то его необходимо игнорировать (если его ввели)

Формат вывода:

«Ok: pid», где pid – идентификатор процесса для созданного вычислительного узла

«Error: Already exists» - вычислительный узел с таким идентификатором уже существует

«Error: Parent not found» - нет такого родительского узла с таким идентификатором

«Error: Parent is unavailable» - родительский узел существует, но по каким-то причинам с ним не удается связаться

«Error: [Custom error]» - любая другая обрабатываемая ошибка

Примечания: создание нового управляющего узла осуществляется пользователем программы при помощи запуска исполняемого файла. Id и pid — это разные идентификаторы.

- Исполнение команды на вычислительном узле

Формат команды: exec id [params]

id – целочисленный идентификатор вычислительного узла, на который отправляется команда

Формат вывода:

«Ok:id: [result]», где result – результат выполненной команды

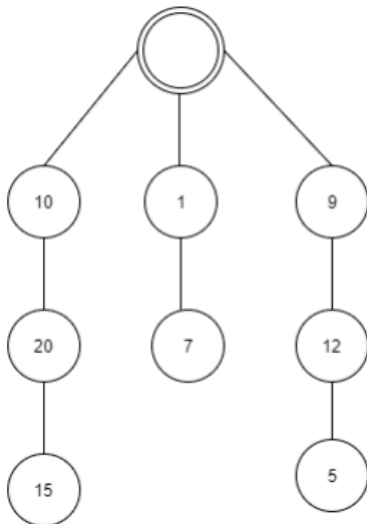
«Error:id: Not found» - вычислительный узел с таким идентификатором не найден

«Error:id: Node is unavailable» - по каким-то причинам не удается связаться с вычислительным узлом

«Error:id: [Custom error]» - любая другая обрабатываемая ошибка

- Топология 2:

### Топология 1



Все вычислительные узлы находятся в списке. Есть только один управляющий узел. Чтобы добавить новый вычислительный узел к управляющему, то необходимо выполнить команду: create id -1.

### Топология 2

Аналогично топологии 2, но узлы находятся в дереве общего вида.

- Набора команд

Формат команды сохранения значения: exec id subcommand subcommand – одна из трех команд: start, stop, time. start – запустить таймер stop – остановить таймер time – показать время локального таймера в миллисекундах

- Команда проверки

Формат команды: heartbeat time Каждый узел начинает сообщать раз в time миллисекунд о том, что он работоспособен. Если от узла нет сигнала в течении 4\*time миллисекунд, то должна выводиться пользователю строка: «Heartbit: node id is unavailable now», где id – идентификатор недоступного вычислительного узла

## Общий метод и алгоритм решения

Операции ZeroMQ:

- void\* zmq\_ctx\_new(void); - создает новый контекст ZeroMQ
- void\* zmq\_socket(void\* context, int type); - создает сокет ZMQ
- int zmq\_bind(void\* socket, const char\* endpoint); - привязывает сокет к конечной точке
- int zmq\_connect(void\* socket, const char\* endpoint); - подключает сокет к конечной точке
- int zmq\_close(void\* socket); - закрывает сокет ZMQ
- int zmq\_ctx\_destroy(void\* context); - завершает контекст ZMQ
- int zmq\_msg\_init(zmq\_msg\_t\* msg); - инициализирует пустое сообщение
- int zmq\_msg\_init\_size(zmq\_msg\_t\* msg, size\_t size); - инициализирует сообщение заданного размера
- int zmq\_msg\_send(zmq\_msg\_t\* msg, void\* socket, int flags); - отправляет сообщение
- int zmq\_msg\_recv(zmq\_msg\_t\* msg, void\* socket, int flags); - получает сообщение
- int zmq\_msg\_close(zmq\_msg\_t\* msg); - освобождает сообщение

**Общий алгоритм решения:**

- Инициализация управляющего узла (Control Node):
  - Создается структура `control_node_t` для управления списками вычислительных узлов
  - Инициализируется ZeroMQ контекст для межпроцессного взаимодействия
  - Ожидается ввод команд с консоли
- Обработка команд управления:
  - Создание узла (`create`):
    - Проверка уникальности ID узла
    - Создание структуры `compute_node_t` с указанием родительского узла
    - Запуск нового процесса через `fork()`:
      - Дочерний процесс: инициализирует ZeroMQ PULL-сокеты и начинает прослушивание команд
      - Родительский процесс: сохраняет PID дочернего процесса, подключается к его сокету через ZeroMQ PUSH
    - Узел добавляется в иерархию:
      - Если `parent_id == 0` - создается новый корневой список
      - Если `parent_id > 0` - добавляется как дочерний к указанному узлу
  - Выполнение команд (`exec [start|stop|time]`):
    - Поиск узла по ID
    - Отправка команды через ZeroMQ сокет
    - Узел обрабатывает команду:
      - `start`: начинает замер времени выполнения
      - `stop`: останавливает замер и сохраняет результат
      - `time`: возвращает суммарное время работы
  - Проверка активности (`ping`):
    - Проверка существования процесса через `waitpid()`
    - Отправка тестового сообщения через ZeroMQ
    - Анализ возможности доставки сообщения
- Работа вычислительного узла (Compute Node):
  - Создает PULL-сокеты на порту 5550+
  - В бесконечном цикле:
    - Принимает и парсит команды
    - Управляет таймером выполнения операций
    - Формирует ответы о статусе выполнения
- Особенности взаимодействия:
  - Используется паттерн PUSH-PULL для однонаправленной коммуникации
  - Каждый узел работает в отдельном процессе
  - Поддерживается древовидная структура узлов
  - Реализована обработка статусов процессов (включая проверку зомби-процессов)
- Обработка ошибок:
  - Проверка доступности родительских узлов
  - Валидация формата команд
  - Обработка сетевых ошибок ZeroMQ
  - Контроль существования процессов

## Код программы

```
#include <stdio.h>
```

```

#include <stdlib.h>
#include <string.h>
#include <zmq.h>
#include <unistd.h>
#include <time.h>
#include <sys/time.h>
#include <stdbool.h>
#include <signal.h>
#include <sys/types.h>
#include <sys/wait.h>
#include <fcntl.h>

#define FATAL(msg) { fprintf(stderr, "FATAL ERROR: %s, exiting.\n", msg);
exit(EXIT_FAILURE); }
#define ERROR(msg) { fprintf(stderr, "ERROR: %s\n", msg); }

typedef struct compute_node_t {
    int id;
    pid_t pid;
    void *socket;
    struct compute_node_t *child;
    struct compute_node_t *sosed;
    int beat_counter;
} compute_node_t;

compute_node_t* create_control_node() {
    compute_node_t *control_node = (compute_node_t *)
malloc(sizeof(compute_node_t));
    control_node->id = -1;
    control_node->child = NULL;
    control_node->sosed = NULL;
    control_node->socket = NULL;
}

compute_node_t *create_compute_node(int id) {
    compute_node_t *newNode = (compute_node_t *)
malloc(sizeof(compute_node_t));
    newNode->id = id;
    newNode->socket = NULL;
    newNode->child = NULL;
    newNode->sosed = NULL;
    newNode->beat_counter = 0;
    return newNode;
}

compute_node_t* insert_node(compute_node_t *parent, compute_node_t *new_node) {

```

```

    if (parent->child == NULL) {
        parent->child = new_node; //если нет детей, узел первый ребенок
        return new_node;
    } else {
        compute_node_t *temp = parent->child;
        while (temp->sosed != NULL) {
            temp = temp->sosed;
        }
        temp->sosed = new_node;
        return new_node;
    }
}

compute_node_t *find_node(compute_node_t *root, int id) {
    if (!root) return NULL;
    if (root->id == id) {
        return root;
    }
    //рекурсивно ищем в левом ребенке
    compute_node_t *foundInChild = find_node(root->child, id);
    if (foundInChild) {
        return foundInChild;
    }
    //если не найдено в ребенке, ищем в соседях
    return find_node(root->sosed, id);
}

int is_process_zombie(pid_t pid) {
    int status;
    pid_t result = waitpid(pid, &status, WNOHANG | WUNTRACED);

    if (result == 0) {
        return 0; // Процесс существует, но не является зомби
    } else if (result > 0) {
        if (WIFEXITED(status) || WIFSIGNALED(status)) {
            return 1; // Процесс завершен (зомби)
        }
    } else {
        if (errno == ECHILD) {
            return 1; // Процесс не является дочерним
        } else {
            perror("waitpid");
            return -1; // Ошибка
        }
    }

    return 0;
}

```

```

}

void check_process_heartbeat(compute_node_t* root) {

    if (is_process_zombie(root->pid) == 0) {
        printf("Ok: %d // got beat\n", root->id);
    }
    else {
        if (root->beat_counter < 4) {
            root->beat_counter++;
        }
        else {
            printf("НОДА: %d // СДОХЛА\n", root->id);
            root->beat_counter = 0;
        }
    }
    if (root->child != NULL) {
        check_process_heartbeat(root->child);
    }
    if (root->sosed != NULL) {
        check_process_heartbeat(root->sosed);
    }
}

void send_command_to_node(compute_node_t *node, const char *command) {
    zmq_msg_t request;
    zmq_msg_init_size(&request, strlen(command) + 1);
    strcpy(zmq_msg_data(&request), command);

    if (zmq_msg_send(&request, node->socket, 0) == -1 ||
is_process_zombie(node->pid) == 1) {
        zmq_msg_close(&request);
        if (strcmp(command, "ping") == 0) {
            printf("Ok: 0 // узел %d недоступен\n", node->id);
        } else {
            printf("Error:%d: Node is unavailable\n", node->id);
        }
        return;
    }
    zmq_msg_close(&request);
}

void compute_node_process(int node_id) {

```

```

struct timeval start_time;
long elapsed_ms = 0;
bool is_running = false;

void *zmq_context = zmq_ctx_new();
void *responder = zmq_socket(zmq_context, ZMQ_PULL);
char address[50];
sprintf(address, "tcp://127.0.0.1:%d", 5550 + node_id); // Bind to port
based on ID
int bind_result = zmq_bind(responder, address);
if (bind_result != 0) {
    printf("Error code: %d", bind_result);
    FATAL("Compute node bind failed");
}
printf("Compute Node %d started, listening on %s\n", node_id, address);

while (1) {
    zmq_msg_t request;
    zmq_msg_init(&request);
    zmq_msg_rcv(&request, responder, 0);
    char *command_str = strdup((char *) zmq_msg_data(&request));
    zmq_msg_close(&request);

    // char *response_str = NULL;
    char *command = strtok(command_str, " ");

    if (strcmp(command, "exec") == 0) {
        // char buffer[50];
        char *subcommand = strtok(NULL, " ");
        if (strcmp(subcommand, "start") == 0) {
            gettimeofday(&start_time, NULL);
            is_running = true;
            // response_str = strdup("Ok");
            printf("Ok:%d\n", node_id);
        }
        else if (strcmp(subcommand, "stop") == 0) {
            struct timeval current_time;
            gettimeofday(&current_time, NULL);

            long seconds = current_time.tv_sec - start_time.tv_sec;
            long micros = current_time.tv_usec - start_time.tv_usec;
            if (micros < 0) {
                seconds--;
                micros += 1000000;
            }
            elapsed_ms += seconds * 1000 + micros / 1000;
        }
    }
}

```



```

        is_running = false;

        // response_str = strdup("Ok");
        printf("Ok:%d\n", node_id);
    }
    else if (strcmp(subcommand, "time") == 0) {
        if (is_running) {
            struct timeval current_time;
            gettimeofday(&current_time, NULL);

            long seconds = current_time.tv_sec - start_time.tv_sec;
            long micros = current_time.tv_usec - start_time.tv_usec;
            if (micros < 0) {
                seconds--;
                micros += 1000000;
            }
            long current_ms = seconds * 1000 + micros / 1000;
            printf("Ok:%d:%ld\n", node_id, elapsed_ms + current_ms);
        } else {
            printf("Ok:%d:%ld\n", node_id, elapsed_ms);
        }
    }
    else {
        perror("Error: Unknown command for compute node\n");
    }

} else if (strcmp(command, "ping") == 0) {
    printf("Ok: 1 // узел %d доступен\n", node_id);
} else {
    perror("Error: Unknown command for compute node\n");
}

free(command_str);
}

zmq_close(responder);
zmq_ctx_destroy(zmq_context);
}

int main() {

    void *zmq_context = zmq_ctx_new();
    compute_node_t* control_node = create_control_node();
    printf("Controller Node started. Listening for commands from
console...\n");
    char command_buffer[256];

    while (1) {

```

```

    if (fgets(command_buffer, sizeof(command_buffer), stdin) == NULL) {
        if (feof(stdin)) {
            printf("Exiting on EOF.\n");
            zmq_ctx_destroy(zmq_context);
            exit(0);
        } else {
            ERROR("Error reading from console.");
            continue;
        }
    }

    command_buffer[strcspn(command_buffer, "\n")] = 0; //Возвращает
количество символов до \n => Просто заменяет \n на \0

    if (strlen(command_buffer) == 0) {
        continue;
    }
    printf("Received command: %s\n", command_buffer);
    char *command = strtok(command_buffer, " ");

    if (command != NULL) {
        if (strcmp(command, "create") == 0) { // если строки равны

            char *id_str = strtok(NULL, " "); // продолжает поиск в
оригинальной строке
            char *parent_id_str = strtok(NULL, " ");

            if (id_str == NULL || parent_id_str == NULL) {
                printf("Error: Missing arguments for 'create' command\n");
                continue;
            }

            int id = atoi(id_str);
            int parent_id = atoi(parent_id_str);

            if (find_node(control_node, id) != NULL) {
                printf("Error: Already exists\n");
            } else {

                compute_node_t *new_node = create_compute_node(id);
                insert_node(control_node, new_node);

                pid_t pid = fork();
                if (pid == 0) {
                    compute_node_process(id);
                } else if (pid > 0) {
                    new_node->pid = pid;

```

```

        char address[50];
        sprintf(address, "tcp://127.0.0.1:%d", 5550 + id);
        new_node->socket = zmq_socket(zmq_context, ZMQ_PUSH);
        int connect_result = zmq_connect(new_node->socket,
address);

        if (connect_result != 0) {
            ERROR("Failed to connect to compute node, cleanup
needed.");

            printf("Error: Parent is unavailable\n");
        }
        printf("Ok: %d\n", new_node->pid);
    } else {
        ERROR("Fork failed");
        printf("Error: [System error]\n");
    }
}

} else if (strcmp(command, "exec") == 0) {
    char *id_str = strtok(NULL, " ");
    int id = atoi(id_str);
    compute_node_t *node = find_node(control_node, id);
    if (node == NULL) {
        printf("Error:%d: Not found\n", id);
    } else {
        char *subcommand = strtok(NULL, "");
        char exec_command[200];
        sprintf(exec_command, "exec %s", subcommand);

        send_command_to_node(node, exec_command);
    }
} else if (strcmp(command, "heartbeat") == 0) {
    char *str_seconds = strtok(NULL, " ");
    int seconds = atoi(str_seconds); // с консоли

    // Сохраняем оригинальные настройки stdin
    int flags = fcntl(STDIN_FILENO, F_GETFL, 0);
    fcntl(STDIN_FILENO, F_SETFL, flags | O_NONBLOCK);
    char input[256];

    time_t lastTime = time(NULL);
    compute_node_t* node = control_node->child;
    while (1) {
        time_t currentTime = time(NULL);
        if (difftime(currentTime, lastTime) >= seconds) {
            // printf("Илья гадит в консоль\n");
            check_process_heartbeat(node);
            lastTime = currentTime;
        }
    }
}

```

```

        // Проверяем ввод пользователя
        char cmd[10];
        ssize_t bytes_read = read(STDIN_FILENO, cmd,
sizeof(cmd)-1);

        if (bytes_read > 0) {
            cmd[bytes_read] = '\0';
            if (strcmp(cmd, "stop\n") == 0) {
                break;
            }
        }

        fcntl(STDIN_FILENO, F_SETFL, flags);
    } else if (strcmp(command, "ping") == 0) {
        char *id_str = strtok(NULL, " ");

        int id = atoi(id_str);
        compute_node_t *node = find_node(control_node, id);
        if (node == NULL) {
            printf("Error: Not found\n");
        } else {
            send_command_to_node(node, "ping");
        }
    }
    else {
        printf("Error: [Unknown command]\n");
    }
}

return 0;
}

```

## Протокол работы программы

root@LAPTOP-CGCBKBHR:/home/OS/OS\_labs/lab5-7/src# strace

-f -o strace.txt ./mainkaif

Controller Node started. Listening for commands from console...

create 1 -1

Received command: create 1 -1

Ok: 851

Compute Node 1 started, listening on tcp://127.0.0.1:5551

create 2 1

Received command: create 2 1

Ok: 856

Compute Node 2 started, listening on tcp://127.0.0.1:5552

exec 1 start

Received command: exec 1 start

Ok:1

exec 1 time

Received command: exec 1 time

Ok:1:4716

exec 1 stop

Received command: exec 1 stop

Ok:1

exec 1 time

Received command: exec 1 time

Ok:1:9000

heartbeat 3

Received command: heartbeat 3

Ok: 1 // got beat

Ok: 2 // got beat

Ok: 1 // got beat

Ok: 2 // got beat

Ok: 1 // got beat

Ok: 2 // got beat

Ok: 1 // got beat

Ok: 2 // got beat

Ok: 1 // got beat

Ok: 2 // got beat

Ok: 1 // got beat

Ok: 2 // got beat

Ok: 1 // got beat

Ok: 2 // got beat

Ok: 1 // got beat

Ok: 2 // got beat

Ok: 1 // got beat

Ok: 2 // got beat

Ok: 1 // got beat

Ok: 2 // got beat

Ok: 1 // got beat

Ok: 2 // got beat

Ok: 1 // got beat

Ok: 2 // got beat

Ok: 1 // got beat

Ok: 2 // got beat

Ok: 2 // got beat

Ok: 2 // got beat

Ok: 2 // got beat

Ok: 2 // got beat

Ok: 2 // got beat

НОДА: 1 // СДОХЛА  
Ok: 2 // got beat  
Ok: 2 // got beat  
stop  
ping 1  
Received command: ping 1  
Ok: 0 // узел 1 недоступен  
ping 2  
Received command: ping 2  
Ok: 1 // узел 2 доступен  
exec 2 start  
Received command: exec 2 start  
Ok:2  
ping 2  
Received command: ping 2  
Ok: 1 // узел 2 доступен  
exec 2 start  
Received command: exec 2 start  
Ok:2  
exec 2 time  
Received command: exec 2 time  
Ok:2:3881  
ping 2  
Received command: ping 2  
Ok: 1 // узел 2 доступен  
exec 2 start  
Received command: exec 2 start  
Ok:2  
exec 2 time  
Received command: exec 2 time  
ping 2  
Received command: ping 2  
Ok: 1 // узел 2 доступен  
exec 2 start  
Received command: exec 2 start  
Ok:2  
Ok: 1 // узел 2 доступен  
exec 2 start  
Received command: exec 2 start  
Ok:2  
exec 2 start  
Received command: exec 2 start  
Ok:2  
Ok:2  
exec 2 time  
Received command: exec 2 time  
exec 2 time

Received command: exec 2 time

Received command: exec 2 time

Ok:2:3881

exec 2 stop

Received command: exec 2 stop

Ok:2

exec 2 time

Received command: exec 2 time

Ok:2:8868

^C

root@LAPTOP-CGCBKBHR:/home/OS/OS\_labs/lab5-7/src#

## Strace:

### 1. Уведомление о новых сообщениях:

- ZeroMQ использует `eventfd` для уведомления о том, что в очереди появились новые сообщения.
- Когда сообщение добавляется в очередь, ZeroMQ записывает значение в `eventfd`.

### 2. Мониторинг событий:

- ZeroMQ добавляет `eventfd` и сокеты в `epoll`.
- Когда `epoll_wait` возвращает событие, ZeroMQ проверяет, связано ли оно с `eventfd` или сокетом, и обрабатывает его.

```
execve("./main", ["/main"], 0xfffffb2ebff8 /* 30 vars */)

= 0 brk(NULL) = 0xaaaaa641000

mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff84b46000

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

openat(AT_FDCWD, "/etc/ld.so.cache", O_RDONLY|O_CLOEXEC) = 3

newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=13859, ...}, AT_EMPTY_PATH)

= 0 mmap(NULL, 13859, PROT_READ, MAP_PRIVATE, 3, 0) = 0xffff84b42000

close(3) = 0

openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libzmq.so.5", O_RDONLY|O_CLOEXEC) = 3

read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0000\213\1\0\0\0\0\0...", 832) =

832 newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=569160, ...}, AT_EMPTY_PATH) =

0

mmap(NULL, 698216, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff84a66000

mmap(0xffff84a70000, 632680, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff84a70000

munmap(0xffff84a66000, 40960) = 0

munmap(0xffff84b0b000, 22376) = 0

mprotect(0xffff84af3000, 61440, PROT_NONE) = 0

mmap(0xffff84b02000, 36864, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x82000) = 0xffff84b02000

close(3) = 0

openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libc.so.6", O_RDONLY|O_CLOEXEC) = 3

read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\3\0\267\0\1\0\0\0340u\2\0\0\0\0...", 832) =

832 newfstatat(3, "", {st_mode=S_IFREG|0755, st_size=1637400, ...},

AT_EMPTY_PATH) = 0

mmap(NULL, 1805928, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff848b7000

mmap(0xffff848c0000, 1740392, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff848c0000

munmap(0xffff848b7000, 36864) = 0

munmap(0xffff84a69000, 28264) = 0

mprotect(0xffff84a48000, 61440, PROT_NONE) = 0

mmap(0xffff84a57000, 24576, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x187000) = 0xffff84a57000

mmap(0xffff84a5d000, 48744, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0xffff84a5d000

close(3) = 0
```



```
openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libbsd.so.0", O_RDONLY|O_CLOEXEC) =
3 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) =
832 newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=80696, ...}, AT_EMPTY_PATH)
= 0
mmap(NULL, 213024, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff8488b000
mmap(0xffff84890000, 147488, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff84890000
munmap(0xffff8488b000, 20480) = 0
munmap(0xffff848b5000, 40992) = 0
mprotect(0xffff848a2000, 65536, PROT_NONE) = 0
mmap(0xffff848b2000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x12000) = 0xffff848b2000
mmap(0xffff848b4000, 32, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0xffff848b4000
close(3) = 0
openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libsodium.so.23", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=227504, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 356856, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff84838000
mmap(0xffff84840000, 291320, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff84840000
munmap(0xffff84838000, 32768) = 0
munmap(0xffff84888000, 29176) = 0
mprotect(0xffff84877000, 61440, PROT_NONE) = 0
mmap(0xffff84886000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x36000) = 0xffff84886000
close(3) = 0
openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libpgm-5.3.so.0", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\260\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=305904, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 452544, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff847d1000
mmap(0xffff847e0000, 387008, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff847e0000
munmap(0xffff847d1000, 61440) = 0
munmap(0xffff8483f000, 1984) = 0
mprotect(0xffff8482a000, 61440, PROT_NONE) = 0
mmap(0xffff84839000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x49000) = 0xffff84839000
mmap(0xffff8483b000, 14272, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0xffff8483b000
close(3) = 0
openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libnorm.so.1", O_RDONLY|O_CLOEXEC) =
3 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0000\242\0\0\0\0\0"..., 832) =
832 newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=468928, ...}, AT_EMPTY_PATH) =
0
mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff84b40000
mmap(NULL, 1321304, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff8469d000
```

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mmap(0xffff846a0000, 1255768, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff846a0000

munmap(0xffff8469d000, 12288)      = 0

munmap(0xffff847d3000, 51544)      = 0

mprotect(0xffff8470f000, 65536, PROT_NONE) = 0

mmap(0xffff8471f000, 16384, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x6f000) = 0xffff8471f000

mmap(0xffff84723000, 719192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0xffff84723000

close(3)                          = 0

openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libgssapi_krb5.so.2", O_RDONLY|O_CLOEXEC) =

3 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0\0", 832) = 832

newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=313784, ...}, AT_EMPTY_PATH) = 0

mmap(NULL, 443248, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff84633000

mmap(0xffff84640000, 377712, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff84640000

munmap(0xffff84633000, 53248)      = 0

munmap(0xffff8469d000, 9072)       = 0

mprotect(0xffff8468a000, 61440, PROT_NONE) = 0

mmap(0xffff84699000, 16384, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x49000) = 0xffff84699000

close(3)                          = 0

openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libstdc++.so.6", O_RDONLY|O_CLOEXEC) =

3 read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0\0", 832) = 832

newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=2190752, ...}, AT_EMPTY_PATH) = 0

mmap(NULL, 2332704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff84400000

mmap(0xffff84400000, 2267168, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff84400000

munmap(0xffff8462a000, 63520)      = 0

mprotect(0xffff8460a000, 61440, PROT_NONE) = 0

mmap(0xffff84619000, 57344, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x209000) = 0xffff84619000

mmap(0xffff84627000, 10272, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0xffff84627000

close(3)                          = 0

openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libgcc_s.so.1", O_RDONLY|O_CLOEXEC) = 3

read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0\0", 832) = 832

newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=84296, ...}, AT_EMPTY_PATH) = 0

mmap(NULL, 213704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff843cb000

mmap(0xffff843d0000, 148168, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff843d0000

munmap(0xffff843cb000, 20480)      = 0

munmap(0xffff843f5000, 41672)      = 0

mprotect(0xffff843e4000, 61440, PROT_NONE) = 0

mmap(0xffff843f3000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x13000) = 0xffff843f3000

close(3)                          = 0
```

```
openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libmd.so.0", O_RDONLY|O_CLOEXEC) =
3 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0\0", 832) =
832 newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=43128, ...}, AT_EMPTY_PATH)
= 0
mmap(NULL, 172240, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff843a5000
mmap(0xffff843b0000, 106704, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff843b0000
munmap(0xffff843a5000, 45056) = 0
munmap(0xffff843cb000, 16592) = 0
mprotect(0xffff843ba000, 61440, PROT_NONE) = 0
mmap(0xffff843c9000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x9000) = 0xffff843c9000
close(3) = 0
openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libpthread.so.0", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0\0", 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=13752, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff84b3e000
mmap(NULL, 135200, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff8438e000
mmap(0xffff84390000, 69664, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff84390000
munmap(0xffff8438e000, 8192) = 0
munmap(0xffff843a2000, 53280) = 0
mprotect(0xffff84391000, 61440, PROT_NONE) = 0
mmap(0xffff843a0000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff843a0000
close(3) = 0
openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libm.so.6", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0\0", 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=551064, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 680048, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff842e9000
mmap(0xffff842f0000, 614512, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff842f0000
munmap(0xffff842e9000, 28672) = 0
munmap(0xffff84387000, 32880) = 0
mprotect(0xffff84376000, 61440, PROT_NONE) = 0
mmap(0xffff84385000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x85000) = 0xffff84385000
close(3) = 0
openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libkrb5.so.3", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0\0", 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=794432, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 924128, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff8420e000
mmap(0xffff84210000, 858592, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff84210000
munmap(0xffff8420e000, 8192) = 0
```

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munmap(0xffff842e2000, 55776)      = 0

mprotect(0xffff842c6000, 61440, PROT_NONE) = 0

mmap(0xffff842d5000, 53248, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xb5000) = 0xffff842d5000

close(3)                          = 0

openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libk5crypto.so.3", O_RDONLY|O_CLOEXEC)

= 3 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0...", 832) = 832

newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=174424, ...}, AT_EMPTY_PATH) = 0

mmap(NULL, 307184, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff841c5000

mmap(0xffff841d0000, 241648, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff841d0000

munmap(0xffff841c5000, 45056)      = 0

munmap(0xffff8420b000, 20464)      = 0

mprotect(0xffff841f9000, 65536, PROT_NONE) = 0

mmap(0xffff84209000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x29000) = 0xffff84209000

close(3)                          = 0

openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libcom_err.so.2", O_RDONLY|O_CLOEXEC) = 3

read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0...", 832) = 832

newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=14184, ...}, AT_EMPTY_PATH) = 0

mmap(NULL, 143432, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff841ac000

mmap(0xffff841b0000, 77896, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff841b0000

munmap(0xffff841ac000, 16384)      = 0

munmap(0xffff841c4000, 45128)      = 0

mprotect(0xffff841b3000, 61440, PROT_NONE) = 0

mmap(0xffff841c2000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x2000) = 0xffff841c2000

close(3)                          = 0

openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libkrb5support.so.0", O_RDONLY|O_CLOEXEC) =

3 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0...", 832) = 832

newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=47712, ...}, AT_EMPTY_PATH) = 0

mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff84b3c000

mmap(NULL, 177016, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff84184000

mmap(0xffff84190000, 111480, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff84190000

munmap(0xffff84184000, 49152)      = 0

munmap(0xffff841ac000, 13176)      = 0

mprotect(0xffff8419b000, 61440, PROT_NONE) = 0

mmap(0xffff841aa000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xa000) = 0xffff841aa000

close(3)                          = 0

openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libkeyutils.so.1", O_RDONLY|O_CLOEXEC) = 3

read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0...", 832) = 832
```

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newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=18280, ...}, AT_EMPTY_PATH) = 0

mmap(NULL, 147472, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff8416b000

mmap(0xffff84170000, 81936, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff84170000

munmap(0xffff8416b000, 20480)      = 0

munmap(0xffff84185000, 40976)     = 0

mprotect(0xffff84174000, 61440, PROT_NONE) = 0

mmap(0xffff84183000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x3000) = 0xffff84183000

close(3)                          = 0

openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libresolv.so.2", O_RDONLY|O_CLOEXEC) =

3 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0\267\0\1\0\0\0\0\0\0\0\0\0\0", 832) = 832

newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=60104, ...}, AT_EMPTY_PATH) = 0

mmap(NULL, 199104, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff8413f000

mmap(0xffff84140000, 133568, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0) = 0xffff84140000

munmap(0xffff8413f000, 4096)      = 0

munmap(0xffff84161000, 59840)     = 0

mprotect(0xffff8414d000, 65536, PROT_NONE) = 0

mmap(0xffff8415d000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xd000) = 0xffff8415d000

mmap(0xffff8415f000, 6592, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0xffff8415f000

close(3)                          = 0

mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff84b0f000

mmap(NULL, 12288, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff84b0c000

set_tid_address(0xffff84b0c0f0)   = 5151

set_robust_list(0xffff84b0c100, 24) = 0

rseq(0xffff84b0c7c0, 0x20, 0, 0xd428bc00) = 0

mprotect(0xffff84a57000, 16384, PROT_READ) = 0

mprotect(0xffff8415d000, 4096, PROT_READ) = 0

mprotect(0xffff84183000, 4096, PROT_READ) = 0

mprotect(0xffff841aa000, 4096, PROT_READ) = 0

mprotect(0xffff841c2000, 4096, PROT_READ) = 0

mprotect(0xffff84209000, 4096, PROT_READ) = 0

mprotect(0xffff842d5000, 45056, PROT_READ) = 0

mprotect(0xffff84385000, 4096, PROT_READ) = 0

mprotect(0xffff843a0000, 4096, PROT_READ) = 0

mprotect(0xffff843c9000, 4096, PROT_READ) = 0

mprotect(0xffff843f3000, 4096, PROT_READ) = 0

mprotect(0xffff84619000, 45056, PROT_READ) = 0

mprotect(0xffff84699000, 8192, PROT_READ) = 0
```

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mprotect(0xffff8471f000, 12288, PROT_READ) = 0

mprotect(0xffff84839000, 4096, PROT_READ) = 0

mprotect(0xffff84886000, 4096, PROT_READ) = 0

mprotect(0xffff848b2000, 4096, PROT_READ) = 0

mprotect(0xffff84b02000, 32768, PROT_READ) = 0

mprotect(0xaaaad7fe2000, 4096, PROT_READ) = 0

mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xffff84a6e000

mprotect(0xffff84b4b000, 8192, PROT_READ) = 0

prlimit64(0, RLIMIT_STACK, NULL, {rlim_cur=8192*1024, rlim_max=RLIM64_INFINITY})

= 0 munmap(0xffff84b42000, 13859) = 0

getrandom("\xff\x17\x77\xd7\x31\x43\x4c\x95", 8, GRND_NONBLOCK)

= 8 brk(NULL) = 0xaaaada641000

brk(0xaaaada662000) = 0xaaaada662000

openat(AT_FDCWD, "/sys/devices/system/cpu/online", O_RDONLY|O_CLOEXEC)

= 3 read(3, "0-9\n", 1024) = 4

close(3) = 0

openat(AT_FDCWD, "/sys/devices/system/cpu", O_RDONLY|O_NONBLOCK|O_CLOEXEC|O_DIRECTORY) = 3

newfstatat(3, "", {st_mode=S_IFDIR|0755, st_size=0, ...}, AT_EMPTY_PATH) = 0

getdents64(3, 0xaaaada652ee0 /* 22 entries */, 32768) = 616

getdents64(3, 0xaaaada652ee0 /* 0 entries */, 32768) = 0

close(3) = 0

getpid() = 5151

sched_getaffinity(5151, 128, [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]) = 8

newfstatat(AT_FDCWD, "/etc/nsswitch.conf", {st_mode=S_IFREG|0644, st_size=494, ...}, 0) = 0

newfstatat(AT_FDCWD, "/", {st_mode=S_IFDIR|0755, st_size=4096, ...}, 0) = 0

openat(AT_FDCWD, "/etc/nsswitch.conf", O_RDONLY|O_CLOEXEC) = 3

newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=494, ...}, AT_EMPTY_PATH)

= 0 read(3, "# /etc/nsswitch.conf\n#\n# Example...", 4096) = 494

read(3, "", 4096) = 0

newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=494, ...}, AT_EMPTY_PATH)

= 0 close(3) = 0

openat(AT_FDCWD, "/etc/ld.so.cache", O_RDONLY|O_CLOEXEC) = 3

newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=13859, ...}, AT_EMPTY_PATH)

= 0 mmap(NULL, 13859, PROT_READ, MAP_PRIVATE, 3, 0) = 0xffff84b42000

close(3) = 0

openat(AT_FDCWD, "/lib/aarch64-linux-gnu/tls/aarch64/atomics/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT_FDCWD, "/lib/aarch64-linux-gnu/tls/aarch64/atomics", 0xffffe4f64800, 0) = -1 ENOENT (No such file or directory)

```

[illegible]

newfstatat(AT\_FDCWD, "/lib/tls", 0xffffe4f64800, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/lib/aarch64/atomsics/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/lib/aarch64/atomsics", 0xffffe4f64800, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/lib/aarch64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/lib/aarch64", 0xffffe4f64800, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/lib/atomsics/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/lib/atomsics", 0xffffe4f64800, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/lib/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/lib", {st\_mode=S\_IFDIR|0755, st\_size=4096, ...}, 0) = 0

openat(AT\_FDCWD, "/usr/lib/tls/aarch64/atomsics/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/tls/aarch64/atomsics", 0xffffe4f64800, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/tls/aarch64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/tls/aarch64", 0xffffe4f64800, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/tls/atomsics/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/tls/atomsics", 0xffffe4f64800, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/tls/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/tls", 0xffffe4f64800, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/aarch64/atomsics/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/aarch64/atomsics", 0xffffe4f64800, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/aarch64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/aarch64", 0xffffe4f64800, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/atomsics/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/atomsics", 0xffffe4f64800, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib", {st\_mode=S\_IFDIR|0755, st\_size=4096, ...}, 0) = 0

munmap(0xffff84b42000, 13859) = 0

openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3

newfstatat(3, "", {st\_mode=S\_IFREG|0644, st\_size=13859, ...}, AT\_EMPTY\_PATH)

= 0 mmap(NULL, 13859, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0xffff84b42000

close(3) = 0

openat(AT\_FDCWD, "/lib/aarch64-linux-gnu/libnss\_db-2.35.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/aarch64-linux-gnu/libnss\_db-2.35.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/lib/libnss\_db-2.35.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/libnss\_db-2.35.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

munmap(0xffff84b42000, 13859) = 0

openat(AT\_FDCWD, "/etc/protocols", O\_RDONLY|O\_CLOEXEC) = 3

newfstatat(3, "", {st\_mode=S\_IFREG|0644, st\_size=2932, ...}, AT\_EMPTY\_PATH) = 0



```

lseek(3, 0, SEEK_SET)          = 0

read(3, "# Internet (IP) protocols\n#\n# Up"..., 4096)

= 2932 read(3, "", 4096)      = 0

close(3)                      = 0

eventfd2(0, EFD_CLOEXEC)     = 3

fcntl(3, F_GETFL)             = 0x2

(flags O_RDWR) fcntl(3, F_SETFL,
O_RDWR|O_NONBLOCK) = 0

fcntl(3, F_GETFL)             = 0x802

(flags O_RDWR|O_NONBLOCK) fcntl(3,
F_SETFL,
O_RDWR|O_NONBLOCK) = 0

getpid()                     = 5151

getpid()                     = 5151

getrandom("\x6b\x6c\x81\x50\xee\x2f\x9a\x92\x82\xd8\x8e\x27\x74\x37\x31\x44", 16, 0) = 16

getrandom("\x3e\x9b\xea\x61\x52\x81\xba\x2b\x97\xc0\xc9\x0e\xcf\xe4\xc0\xcd", 16, 0) = 16

newfstatat(1, "", {st_mode=S_IFCHR|0620, st_rdev=makedev(0x88, 0), ...}, AT_EMPTY_PATH)

= 0 write(1, "Controller Node started. Listeni"..., 64) = 64

pselect6(1, [0], NULL, NULL, {tv_sec=0, tv_nsec=0}, NULL) = 1 (in [0], left {tv_sec=0, tv_nsec=0})

newfstatat(0, "", {st_mode=S_IFIFO|0600, st_size=0, ...}, AT_EMPTY_PATH) = 0

read(0, "create l\nping l\nexec 1 3 5 7 9\nc"..., 4096) = 69

write(1, "Received command: create l\n", 27) = 27

clone(child_stack=NULL, flags=CLONE_CHILD_CLEARTID|CLONE_CHILD_SETTID|SIGCHLD,
child_tidptr=0xffff84b0c0f0) = 5153 strace: Process 5153 attached

[pid 5151] clock_nanosleep(CLOCK_REALTIME, 0, {tv_sec=1, tv_nsec=0}, <unfinished ...>

[pid 5153] set_robust_list(0xffff84b0c100, 24) = 0

[pid 5153] eventfd2(0, EFD_CLOEXEC) = 4

[pid 5153] fcntl(4, F_GETFL)      = 0x2 (flags O_RDWR)

[pid 5153] fcntl(4, F_SETFL, O_RDWR|O_NONBLOCK) =

0

[pid 5153] fcntl(4, F_GETFL)      = 0x802 (flags

O_RDWR|O_NONBLOCK) [pid 5153] fcntl(4,

F_SETFL,

O_RDWR|O_NONBLOCK) = 0

[pid 5153] getpid()              = 5153

[pid 5153] getpid()              = 5153

[pid 5153] eventfd2(0, EFD_CLOEXEC) = 5

[pid 5153] fcntl(5, F_GETFL)      = 0x2 (flags O_RDWR)

[pid 5153] fcntl(5, F_SETFL, O_RDWR|O_NONBLOCK) =

```

0

[pid 5153] fcntl(5, F\_GETFL) = 0x802 (flags

O\_RDWR|O\_NONBLOCK) [pid 5153] fcntl(5,

F\_SETFL, O\_RDWR|O\_NONBLOCK) = 0

[pid 5153] getpid() = 5153

[pid 5153] epoll\_create1(EPOLL\_CLOEXEC) = 6

```

[pid 5153] epoll_ctl(6, EPOLL_CTL_ADD, 5, {events=0, data={u32=3664091408, u64=187650785253648}}) = 0

[pid 5153] epoll_ctl(6, EPOLL_CTL_MOD, 5, {events=EPOLLIN, data={u32=3664091408, u64=187650785253648}}) = 0

[pid 5153] getpid()                = 5153

[pid 5153] rt_sigaction(SIGRT_1, {sa_handler=0xffff8493a700, sa_mask=[], sa_flags=SA_ONSTACK|SA_RESTART|SA_SIGINFO}, NULL, 8) = 0

[pid 5153] rt_sigprocmask(SIG_UNBLOCK, [RTMIN RT_1], NULL, 8) = 0

[pid 5153] mmap(NULL, 8454144, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0xffff83800000

[pid 5153] mprotect(0xffff83810000, 8388608, PROT_READ|PROT_WRITE) = 0

[pid 5153] rt_sigprocmask(SIG_BLOCK, ~[], [], 8) = 0

[pid 5153] clone(child_stack=0xffff8400e6e0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_PARENT_SETTID
|CLONE_CHILD_CLEAR_TID|CLONE_CHILD_SETTID|SIGCHLD, parent_tidptr=0xffff8400e6e0, &parent_tid, 0, &child_tid,
0) = 5154
LONE_CHILD_CLEAR_TID: Process 5154 attached

<unfinished ...>

[pid 5154] rseq(0xffff8400f640, 0x20, 0, 0xd428bc00 <unfinished ...>

[pid 5153] <... clone resumed>, parent_tid=[5154], tls=0xffff8400f660, child_tidptr=0xffff8400ef70) =
5154 [pid 5154] <... rseq resumed>) = 0

[pid 5153] rt_sigprocmask(SIG_SETMASK, [], <unfinished ...>

[pid 5154] set_robust_list(0xffff8400ef80, 24 <unfinished ...>

[pid 5153] <... rt_sigprocmask resumed>NULL, 8) = 0

[pid 5154] <... set_robust_list resumed>) = 0

[pid 5153] eventfd2(0, EFD_CLOEXEC <unfinished ...>

[pid 5154] rt_sigprocmask(SIG_SETMASK, [], <unfinished ...>

[pid 5153] <... eventfd2 resumed>) = 7

[pid 5154] <... rt_sigprocmask resumed>NULL, 8) = 0

[pid 5153] fcntl(7, F_GETFL <unfinished ...>

[pid 5154] rt_sigprocmask(SIG_BLOCK, ~[RTMIN RT_1], <unfinished
...> [pid 5153] <... fcntl resumed>) = 0x2 (flags O_RDWR)

[pid 5154] <... rt_sigprocmask resumed>NULL, 8) = 0

[pid 5153] fcntl(7, F_SETFL, O_RDWR|O_NONBLOCK <unfinished ...>

[pid 5154] sched_getparam(5154, <unfinished ...>

[pid 5153] <... fcntl resumed>) = 0

[pid 5154] <... sched_getparam resumed>[0] =
0 [pid 5153] fcntl(7, F_GETFL <unfinished ...>

[pid 5154] sched_getscheduler(5154 <unfinished ...>

[pid 5153] <... fcntl resumed>) = 0x802 (flags
O_RDWR|O_NONBLOCK) [pid 5154] <... sched_getscheduler resumed> =
0 (SCHED_OTHER)

[pid 5153] fcntl(7, F_SETFL, O_RDWR|O_NONBLOCK <unfinished ...>

[pid 5154] sched_setscheduler(5154, SCHED_OTHER, [0] <unfinished
...> [pid 5153] <... fcntl resumed>) = 0

```

```
[pid 5154] <... sched_setscheduler resumed> =
0 [pid 5153] getpid( <unfinished ...>

[pid 5154] prctl(PR_SET_NAME, "ZMQbg/Reaper" <unfinished
...> [pid 5153] <... getpid resumed>) = 5153
[pid 5154] <... prctl resumed>      = 0
[pid 5153] epoll_create1(EPOLLRDONLY <unfinished ...>
[pid 5154] epoll_pwait(6, <unfinished ...>
[pid 5153] <... epoll_create1 resumed>) = 8
[pid 5153] epoll_ctl(8, EPOLL_CTL_ADD, 7, {events=0, data={u32=3664093488, u64=187650785255728}}) = 0
[pid 5153] epoll_ctl(8, EPOLL_CTL_MOD, 7, {events=EPOLLIN, data={u32=3664093488, u64=187650785255728}}) = 0
[pid 5153] mmap(NULL, 8454144, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0xffff82e00000
[pid 5153] mprotect(0xffff82e10000, 8388608, PROT_READ|PROT_WRITE) = 0
[pid 5153] rt_sigprocmask(SIG_BLOCK, ~[], [], 8) = 0
[pid 5153] clone(child_stack=0xffff8360e6e0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTID|CLONE_PARENT_SETTID
|C
LONE_CHILD_CLEAR_TID|strace: Process 5155 attached
<unfinished ...>
[pid 5155] rseq(0xffff8360f640, 0x20, 0, 0xd428bc00 <unfinished ...>
[pid 5153] <... clone resumed>, parent_tid=[5155], tls=0xffff8360f660, child_tidptr=0xffff8360ef70) =
5155 [pid 5155] <... rseq resumed>) = 0
[pid 5153] rt_sigprocmask(SIG_SETMASK, [], <unfinished ...>
[pid 5155] set_robust_list(0xffff8360ef80, 24 <unfinished ...>
[pid 5153] <... rt_sigprocmask resumed>NULL, 8) = 0
[pid 5155] <... set_robust_list resumed>) = 0
[pid 5153] eventfd2(0, EFD_CLOEXEC <unfinished ...>
[pid 5155] rt_sigprocmask(SIG_SETMASK, [], <unfinished ...>
[pid 5153] <... eventfd2 resumed>) = 9
[pid 5155] <... rt_sigprocmask resumed>NULL, 8) = 0
[pid 5153]fcntl(9, F_GETFL <unfinished ...>
[pid 5155] rt_sigprocmask(SIG_BLOCK, ~[RTMIN RT_1], <unfinished
...> [pid 5153] <... fcntl resumed>) = 0x2 (flags O_RDWR)
[pid 5155] <... rt_sigprocmask resumed>NULL, 8) = 0
[pid 5153]fcntl(9, F_SETFL, O_RDWR|O_NONBLOCK <unfinished ...>
[pid 5155] sched_getparam(5155, <unfinished ...>
[pid 5153] <... fcntl resumed>      = 0
[pid 5155] <... sched_getparam resumed>[0] =
0 [pid 5153]fcntl(9, F_GETFL <unfinished ...>
[pid 5155] sched_getscheduler(5155 <unfinished ...>
```

[pid 5153] <... fcntl resumed>) = 0x802 (flags

O\_RDWR|O\_NONBLOCK) [pid 5155] <... sched\_getscheduler resumed> =  
0 (SCHED\_OTHER)

[pid 5153] fcntl(9, F\_SETFL, O\_RDWR|O\_NONBLOCK <unfinished ...>

[pid 5155] sched\_setscheduler(5155, SCHED\_OTHER, [0] <unfinished

...> [pid 5153] <... fcntl resumed>) = 0

[pid 5155] <... sched\_setscheduler resumed> =

0 [pid 5153] getpid( <unfinished ...>

[pid 5155] prctl(PR\_SET\_NAME, "ZMQbg/IO/0" <unfinished

...> [pid 5153] <... getpid resumed>) = 5153

[pid 5155] <... prctl resumed>)

= 0 [pid 5153] getpid( <unfinished

...>

[pid 5155] epoll\_pwait(8, <unfinished

...> [pid 5153] <... getpid resumed>) =

5153

[pid 5153] ppoll([{fd=9, events=POLLIN}], 1, {tv\_sec=0, tv\_nsec=0}, NULL, 0) = 0 (Timeout)

[pid 5153] socket(AF\_NETLINK, SOCK\_RAW|SOCK\_CLOEXEC, NETLINK\_ROUTE) = 10

[pid 5153] bind(10, {sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, 12) = 0

[pid 5153] getsockname(10, {sa\_family=AF\_NETLINK, nl\_pid=5153, nl\_groups=00000000}, [12]) = 0

[pid 5153] sendto(10, [{nlmsg\_len=20, nlmsg\_type=RTM\_GETLINK, nlmsg\_flags=NLM\_F\_REQUEST|NLM\_F\_DUMP, nlmsg\_seq=1741222074, nlmsg\_pid=0}, {ifi\_family=AF\_UNSPEC, ...}], 20, 0, {sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, 12) = 20

```
[pid 5153] recvmmsg(10, {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12, msg_iov=[{iov_base=[{nlmsg_len=1432,
nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222074, nlmsg_pid=5153}, {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=0x3d
/* IFLA_??? */, "\x00\x00\x00\x00"}, [{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=0x3a /* IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x3f /*
IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x40 /* IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x3b /* IFLA_??? */,
"\xf8\xff\x07\x00"}, [{nla_len=8, nla_type=0x3c /* IFLA_??? */, "\xff\xff\x00\x00"}, [{nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], [{nla_len=5,
nla_type=IFLA_CARRIER}, 1], [{nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0],
[{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], [{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=10,
nla_type=IFLA_ADDRESS}, 00:00:00:00:00:00], [{nla_len=10, nla_type=IFLA_BROADCAST}, 00:00:00:00:00:00], [{nla_len=204,
nla_type=IFLA_STATS64}, {rx_packets=9925, tx_packets=9925, rx_bytes=18797875, tx_bytes=18797875, 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=9925, tx_packets=9925, rx_bytes=18797875, tx_bytes=18797875, 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=12, nla_type=IFLA_QDISC},
"noqueue"], [{nla_len=812, nla_type=IFLA_AF_SPEC}, [{nla_len=140, nla_type=AF_INET}, [{nla_len=136, nla_type=IFLA_INET_CONF},
[[IPV4_DEVCONF_FORWARDING-1] = 1, [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] = 0,
[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=668,
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=14484,
reachable_time=15192, retrans_time=1000}], [{nla_len=240, 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_PREFERRED_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=308, nla_type=IFLA_INET6_STATS}, [[IPSTATS_MIB_NUM] = 38,
[IPSTATS_MIB_INPKTS] = 0, [IPSTATS_MIB_INOCTETS] = 0, [IPSTATS_MIB_INDELIVERS] = 0, [IPSTATS_MIB_OUTFORWDATAGRAMS] = 0,
[IPSTATS_MIB_OUTPKTS] = 0, [IPSTATS_MIB_OUTOCTETS] = 0, [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] = 0, [IPSTATS_MIB_INBCASTPKTS] = 0, [IPSTATS_MIB_OUTBCASTPKTS] = 0,
[IPSTATS_MIB_INMCASTOCTETS] = 0, [IPSTATS_MIB_OUTMCASTOCTETS] = 0, [IPSTATS_MIB_INBCASTOCTETS] = 0,
[IPSTATS_MIB_OUTBCASTOCTETS] = 0, [IPSTATS_MIB_CSUMERRORS] = 0, ...]], [{nla_len=60, nla_type=IFLA_INET6_ICMP6STATS},
[[ICMP6_MIB_NUM] = 7, [ICMP6_MIB_INMSGS] = 0, [ICMP6_MIB_INERRORS] = 0, [ICMP6_MIB_OUTMSGS] = 0, [ICMP6_MIB_OUTERRORS] = 0,
[ICMP6_MIB_CSUMERRORS] = 0, [6 /* ICMP6_MIB_??? */] = 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]]], [{nla_len=36, nla_type=IFLA_MAP}, {mem_start=0,
mem_end=0, base_addr=0, irq=0, dma=0, port=0}], ...]], [{nlmsg_len=884, nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI,
nlmsg_seq=1741222074, nlmsg_pid=5153}, {ifi_family=AF_UNSPEC, ifi_type=ARPHRD_TUNNEL, ifi_index=if_nametoindex("tunl0"),
ifi_flags=IFF_NOARP, ifi_change=0}, [{nla_len=10, nla_type=IFLA_IFNAME}, "tunl0"], [{nla_len=8, nla_type=IFLA_TXQLEN}, 1000], [{nla_len=5,
nla_type=IFLA_OPERSTATE}, 2], [{nla_len=5, nla_type=IFLA_LINKMODE}, 0], [{nla_len=8, nla_type=IFLA_MTU}, 1480], [{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=0x3d /* IFLA_??? */, "\x00\x00\x00\x00"}, [{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=0x3a /* IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x3f /* IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8,
nla_type=0x40 /* IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x3b /* IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x3c /*
IFLA_??? */, "\xff\xff\x00\x00"}, [{nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], [{nla_len=5, nla_type=IFLA_CARRIER}, 1], [{nla_len=8,
nla_type=IFLA_CARRIER_CHANGES}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0], [{nla_len=8,
nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], [{nla_len=5,
nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=8, nla_type=IFLA_ADDRESS}, 00:00:00:00], [{nla_len=8, nla_type=IFLA_BROADCAST}, 00:00:00:00],
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[{nla_len=204, nla_type=IFLA_STATS64}, {rx_packets=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=116, nla\_type=IFLA\_LINKINFO}, [{nla\_len=9, nla\_type=IFLA\_INFO\_KIND}, "ipip"], [{nla\_len=100, nla\_type=IFLA\_INFO\_DATA}, "\x08\x00\x01\x00\x00\x00\x00\x00\x08\x00\x02\x00\x00\x00\x00\x00\x08\x00\x03\x00\x00\x00\x00\x00\x05\x00\x04\x00\x00\x00\x00\x00" ...]], [{nla\_len=8, nla\_type=IFLA\_LINK}, 0], [{nla\_len=9, nla\_type=IFLA\_QDISC}, "noop", ...]], [{nlmsg\_len=912, nlmsg\_type=RTM\_NEWLINK, nlmsg\_flags=NLM\_F\_MULTI, nlmsg\_seq=1741222074, nlmsg\_pid=5153}, {ifi\_family=AF\_UNSPEC, ifi\_type=ARPHRD\_IPGRE, ifi\_index=if\_nametoindex("gre0"), ifi\_flags=IFF\_NOARP, ifi\_change=0}, [{nla\_len=9, nla\_type=IFLA\_IFNAME}, "gre0"], [{nla\_len=8, nla\_type=IFLA\_TXQLEN}, 1000], [{nla\_len=5, nla\_type=IFLA\_OPERSTATE}, 2], [{nla\_len=5, nla\_type=IFLA\_LINKMODE}, 0], [{nla\_len=8, nla\_type=IFLA\_MTU}, 1476], [{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=0x3d /\* IFLA\_??? \*/}, "\x00\x00\x00\x00"], [{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=0x3a /\* IFLA\_??? \*/}, "\x00\x00\x01\x00"], [{nla\_len=8, nla\_type=0x3f /\* IFLA\_??? \*/}, "\x00\x00\x01\x00"], [{nla\_len=8, nla\_type=0x40 /\* IFLA\_??? \*/}, "\x00\x00\x01\x00"], [{nla\_len=8, nla\_type=0x3b /\* IFLA\_??? \*/}, "\x00\x00\x01\x00"], [{nla\_len=8, nla\_type=0x3c /\* IFLA\_??? \*/}, "\xff\xff\x00\x00"], [{nla\_len=8, nla\_type=IFLA\_NUM\_RX\_QUEUES}, 1], [{nla\_len=5, nla\_type=IFLA\_CARRIER}, 1], [{nla\_len=8, nla\_type=IFLA\_CARRIER\_CHANGES}, 0], [{nla\_len=8, nla\_type=IFLA\_CARRIER\_UP\_COUNT}, 0], [{nla\_len=8, nla\_type=IFLA\_CARRIER\_DOWN\_COUNT}, 0], [{nla\_len=5, nla\_type=IFLA\_PROTO\_DOWN}, 0], [{nla\_len=8, nla\_type=IFLA\_ADDRESS}, 00:00:00:00], [{nla\_len=8, nla\_type=IFLA\_BROADCAST}, 00:00:00:00], [{nla\_len=204, nla\_type=IFLA\_STATS64}, {rx\_packets=0, tx\_packets=0, rx\_bytes=0, tx\_bytes=0, 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=0, tx\_packets=0, rx\_bytes=0, tx\_bytes=0, 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=144, nla\_type=IFLA\_LINKINFO}, [{nla\_len=8, nla\_type=IFLA\_INFO\_KIND}, "gre"], [{nla\_len=132, nla\_type=IFLA\_INFO\_DATA}, "\x08\x00\x01\x00\x00\x00\x00\x00\x06\x00\x02\x00\x00\x00\x00\x00\x06\x00\x03\x00\x00\x00\x00\x00\x08\x00\x04\x00\x00\x00\x00\x00" ...]], [{nla\_len=8, nla\_type=IFLA\_LINK}, 0], [{nla\_len=9, nla\_type=IFLA\_QDISC}, "noop", ...]], {iov\_len=4096}], msg\_iovlen=1, msg\_controllen=0, msg\_flags=0}, 0) = 3228

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[pid 5153] recvmsg(10, {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12, msg_iov=[{iov_base=[[{nlmsg_len=1592,
nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222074, nlmsg_pid=5153}, {ifi_family=AF_UNSPEC,
ifi_type=ARPHRD_ETHER, ifi_index=if_nametoindex("gretap0"), ifi_flags=IFF_BROADCAST|IFF_MULTICAST, ifi_change=0}, [{nla_len=12,
nla_type=IFLA_IFNAME}, "gretap0"], [{nla_len=8, nla_type=IFLA_TXQLEN}, 1000], [{nla_len=5, nla_type=IFLA_OPERSTATE}, 2], [{nla_len=5,
nla_type=IFLA_LINKMODE}, 0], [{nla_len=8, nla_type=IFLA_MTU}, 1462], [{nla_len=8, nla_type=IFLA_MIN_MTU}, 68], [{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=0x3d
/* IFLA_??? */, "\x00\x00\x00\x00"}, [{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=0x3a /* IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x3f /*
IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x40 /* IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x3b /* IFLA_??? */,
"\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x3c /* IFLA_??? */, "\xff\xff\x00\x00"}, [{nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], [{nla_len=5,
nla_type=IFLA_CARRIER}, 1], [{nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0],
[{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], [{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=10,
nla_type=IFLA_ADDRESS}, 00:00:00:00:00:00], [{nla_len=10, nla_type=IFLA_BROADCAST}, ff:ff:ff:ff:ff:ff], [{nla_len=204, nla_type=IFLA_STATS64},
{rx_packets=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=0,
tx_packets=0, rx_bytes=0, tx_bytes=0, 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=148, nla_type=IFLA_LINKINFO}, [{nla_len=11,
nla_type=IFLA_INFO_KIND}, "gretap"], [{nla_len=132, nla_type=IFLA_INFO_DATA},
"\x08\x00\x01\x00\x00\x00\x00\x02\x00\x00\x00\x00\x06\x00\x00\x03\x00\x00\x00\x00\x08\x00\x04\x00\x00\x00\x00\x00"...]], [{nla_len=8,
nla_type=IFLA_LINK}, 0], [{nla_len=9, nla_type=IFLA_QDISC}, "noop"], ...]], [{nlmsg_len=1608, nlmsg_type=RTM_NEWLINK,
nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222074, nlmsg_pid=5153}, {ifi_family=AF_UNSPEC, ifi_type=ARPHRD_ETHER,
ifi_index=if_nametoindex("erspan0"), ifi_flags=IFF_BROADCAST|IFF_MULTICAST, ifi_change=0}, [{nla_len=12, nla_type=IFLA_IFNAME}, "erspan0"],
[{nla_len=8, nla_type=IFLA_TXQLEN}, 1000], [{nla_len=5, nla_type=IFLA_OPERSTATE}, 2], [{nla_len=5, nla_type=IFLA_LINKMODE}, 0], [{nla_len=8,
nla_type=IFLA_MTU}, 1450], [{nla_len=8, nla_type=IFLA_MIN_MTU}, 68], [{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=0x3d /* IFLA_??? */, "\x00\x00\x00\x00"},
[{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=0x3a /* IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x3f /* IFLA_??? */,
"\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x40 /* IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x3b /* IFLA_??? */, "\x00\x00\x01\x00"},
[{nla_len=8, nla_type=0x3c /* IFLA_??? */, "\xff\xff\x00\x00"}, [{nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], [{nla_len=5,
nla_type=IFLA_CARRIER}, 1], [{nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0],
[{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], [{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=10,
nla_type=IFLA_ADDRESS}, 00:00:00:00:00:00], [{nla_len=10, nla_type=IFLA_BROADCAST}, ff:ff:ff:ff:ff:ff], [{nla_len=204, nla_type=IFLA_STATS64},
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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=0,
tx_packets=0, rx_bytes=0, tx_bytes=0, 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=164, nla_type=IFLA_LINKINFO}, [{nla_len=11, nla_type=IFLA_INFO_KIND},
"erspan"], [{nla_len=148, nla_type=IFLA_INFO_DATA},
"\x05\x00\x16\x00\x01\x00\x00\x00\x08\x00\x15\x00\x00\x00\x00\x00\x08\x00\x01\x00\x00\x00\x00\x00\x06\x00\x02\x00\x00\x00\x00\x00"...]], [{nla_len=8,
nla_type=IFLA_LINK}, 0], [{nla_len=9, nla_type=IFLA_QDISC}, "noop"], ...]], [{nlmsg_len=832, nlmsg_type=RTM_NEWLINK,
nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222074, nlmsg_pid=5153}, {ifi_family=AF_UNSPEC, ifi_type=ARPHRD_TUNNEL,
ifi_index=if_nametoindex("ip_vti0"), ifi_flags=IFF_NOARP, ifi_change=0}, [{nla_len=12, nla_type=IFLA_IFNAME}, "ip_vti0"], [{nla_len=8,
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nla_type=IFLA_MTU}, 1480], [{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=0x3d /* IFLA_??? */, "\x00\x00\x00\x00"},
[{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=0x3a /* IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x3f /* IFLA_??? */,
"\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x40 /* IFLA_??? */, "\x00\x00\x01\x00"}, [{nla_len=8, nla_type=0x3b /* IFLA_??? */, "\x00\x00\x01\x00"},
[{nla_len=8, nla_type=0x3c /* IFLA_??? */, "\xff\xff\x00\x00"}, [{nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], [{nla_len=5,
nla_type=IFLA_CARRIER}, 1], [{nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0],
[{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], [{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=8, nla_type=IFLA_ADDRESS},
00:00:00:00:00:00], [{nla_len=8, nla_type=IFLA_BROADCAST}, 00:00:00:00:00:00], [{nla_len=204, nla_type=IFLA_STATS64}, {rx_packets=0, tx_packets=0, rx_bytes=0,
tx_bytes=0, 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=0, tx_packets=0,
rx_bytes=0, tx_bytes=0, 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=64, nla_type=IFLA_LINKINFO}, [{nla_len=8, nla_type=IFLA_INFO_KIND},
"vti"], [{nla_len=52, nla_type=IFLA_INFO_DATA},
"\x08\x00\x01\x00\x00\x00\x00\x00\x08\x00\x02\x00\x00\x00\x00\x00\x08\x00\x03\x00\x00\x00\x00\x00\x08\x00\x04\x00\x00\x00\x00\x00"...]], [{nla_len=8,
nla_type=IFLA_LINK}, 0], [{nla_len=9, nla_type=IFLA_QDISC}, "noop"], ...]], iov_len=4096], msg_iovlen=1, msg_controllen=0, msg_flags=0, 0) = 4032
```

```
[pid 5153] recvmsg(10, {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12,
msg_iov=[{iov_base=[{nlmsg_len=1576, nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222074, nlmsg_pid=5153},
{ifi_family=AF_UNSPEC, ifi_type=ARPHRD_TUNNEL6, ifi_index=if_nametoindex("ip6_vti0"), ifi_flags=IFF_NOARP, ifi_change=0}, [{nla_len=13,
nla_type=IFLA_IFNAME}, {"ip6_vti0"}, [{nla_len=8, nla_type=IFLA_TXQLEN}, 1000], [{nla_len=5, nla_type=IFLA_OPERSTATE}, 2], [{nla_len=5,
nla_type=IFLA_LINKMODE}, 0], [{nla_len=8, nla_type=IFLA_MTU}, 1428], [{nla_len=8, nla_type=IFLA_MIN_MTU}, 68], [{nla_len=8,
nla_type=IFLA_MAX_MTU}, 65495], [{nla_len=8, nla_type=IFLA_GROUP}, 0], [{nla_len=8, nla_type=IFLA_PROMISCUITY}, 0], [{nla_len=8,
nla_type=0x3d /* IFLA_??? */}, {"x00\x00\x00\x00"}], [{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=0x3a /* IFLA_??? */},
{"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x3f /* IFLA_??? */}, {"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x40 /* IFLA_??? */}, {"x00\x00\x01\x00"}],
[{nla_len=8, nla_type=0x3b /* IFLA_??? */}, {"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x3c /* IFLA_??? */}, {"xff\xff\x00\x00"}], [{nla_len=8,
nla_type=IFLA_NUM_RX_QUEUES}, 1], [{nla_len=5, nla_type=IFLA_CARRIER}, 1], [{nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0],
[{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], [{nla_len=5,
nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=20, nla_type=IFLA_ADDRESS}, {00:00:00:00:00:00}], [{nla_len=20, nla_type=IFLA_BROADCAST},
{00:00:00:00:00:00}], [{nla_len=204,
nla_type=IFLA_STATS64}, {rx_packets=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=92, nla_type=IFLA_LINKINFO},
[[{nla_len=9, nla_type=IFLA_INFO_KIND}, {"vti6"}], [{nla_len=76, nla_type=IFLA_INFO_DATA},
{"x08\x00\x01\x00\x00\x00\x00\x14\x00\x04\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x14\x00\x05\x00"...}],
[{nla_len=20, nla_type=IFLA_PERM_ADDRESS}, {1a:8b:b1:5c:4b:8d:00}], [{nla_len=8, nla_type=IFLA_LINK}, 0], ...]], [{nlmsg_len=1600,
nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222074, nlmsg_pid=5153}, {ifi_family=AF_UNSPEC,
ifi_type=ARPHRD_SIT, ifi_index=if_nametoindex("sit0"), ifi_flags=IFF_NOARP, ifi_change=0}, [{nla_len=9, nla_type=IFLA_IFNAME}, {"sit0"},
[{nla_len=8, nla_type=IFLA_TXQLEN}, 1000], [{nla_len=5, nla_type=IFLA_OPERSTATE}, 2], [{nla_len=5, nla_type=IFLA_LINKMODE}, 0], [{nla_len=8,
nla_type=IFLA_MTU}, 1480], [{nla_len=8, nla_type=IFLA_MIN_MTU}, 1280], [{nla_len=8, nla_type=IFLA_MAX_MTU}, 65555], [{nla_len=8,
nla_type=IFLA_GROUP}, 0], [{nla_len=8, nla_type=IFLA_PROMISCUITY}, 0], [{nla_len=8, nla_type=0x3d /* IFLA_??? */}, {"x00\x00\x00\x00"}],
[{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=0x3a /* IFLA_??? */}, {"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x3f /* IFLA_??? */},
{"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x40 /* IFLA_??? */}, {"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x3b /* IFLA_??? */}, {"x00\x00\x01\x00"}],
[{nla_len=8, nla_type=0x3c /* IFLA_??? */}, {"xff\xff\x00\x00"}], [{nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], [{nla_len=5,
nla_type=IFLA_CARRIER}, 1], [{nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0],
[{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], [{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=8, nla_type=IFLA_ADDRESS},
{00:00:00:00}], [{nla_len=8, nla_type=IFLA_BROADCAST}, {00:00:00:00}], [{nla_len=204, nla_type=IFLA_STATS64}, {rx_packets=0, tx_packets=0, rx_bytes=0,
tx_bytes=0, 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=0, tx_packets=0,
rx_bytes=0, tx_bytes=0, 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=164, nla_type=IFLA_LINKINFO}, [{nla_len=8, nla_type=IFLA_INFO_KIND},
{"sit"}], [{nla_len=152, nla_type=IFLA_INFO_DATA},
{"x08\x00\x01\x00\x00\x00\x00\x08\x00\x02\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x05\x00\x04\x00\x40\x00\x00\x00"...}], [{nla_len=8,
nla_type=IFLA_LINK}, 0], [{nla_len=9, nla_type=IFLA_QDISC}, {"noop"}, ...]], {iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 3176
```

```
[pid 5153] recvmsg(10, {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12,
msg_iov=[{iov_base=[{nlmsg_len=1628, nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222074, nlmsg_pid=5153},
{ifi_family=AF_UNSPEC, ifi_type=ARPHRD_TUNNEL6, ifi_index=if_nametoindex("ip6tnl0"), ifi_flags=IFF_NOARP, ifi_change=0}, [{nla_len=12,
nla_type=IFLA_IFNAME}, {"ip6tnl0"}], [{nla_len=8, nla_type=IFLA_TXQLEN}, 1000], [{nla_len=5, nla_type=IFLA_OPERSTATE}, 2], [{nla_len=5,
nla_type=IFLA_LINKMODE}, 0], [{nla_len=8, nla_type=IFLA_MTU}, 1452], [{nla_len=8, nla_type=IFLA_MIN_MTU}, 68], [{nla_len=8,
nla_type=IFLA_MAX_MTU}, 65535], [{nla_len=8, nla_type=IFLA_GROUP}, 0], [{nla_len=8, nla_type=IFLA_PROMISCUITY}, 0], [{nla_len=8,
nla_type=0x3d /* IFLA_??? */}, {"x00\x00\x00\x00"}], [{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=0x3a /* IFLA_??? */},
{"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x3f /* IFLA_??? */}, {"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x40 /* IFLA_??? */}, {"x00\x00\x01\x00"}],
[{nla_len=8, nla_type=0x3b /* IFLA_??? */}, {"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x3c /* IFLA_??? */}, {"xff\xff\x00\x00"}], [{nla_len=8,
nla_type=IFLA_NUM_RX_QUEUES}, 1], [{nla_len=5, nla_type=IFLA_CARRIER}, 1], [{nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0],
[{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], [{nla_len=5,
nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=20, nla_type=IFLA_ADDRESS}, {00:00:00:00:00:00}], [{nla_len=20, nla_type=IFLA_BROADCAST},
{00:00:00:00:00:00}], {nla_len=204,
nla_type=IFLA_STATS64}, {rx_packets=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=148, nla_type=IFLA_LINKINFO},
[[{nla_len=11, nla_type=IFLA_INFO_KIND}, {"ip6tnl"}], [{nla_len=132, nla_type=IFLA_INFO_DATA},
{"x08\x00\x01\x00\x00\x00\x00\x00\x14\x00\x02\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x14\x00\x03\x00"}...]],
[{nla_len=20, nla_type=IFLA_PERM_ADDRESS}, {72:6a:24:6b:84:c5:00}], [{nla_len=8, nla_type=IFLA_LINK}, 0], ...]], {nlmsg_len=1652,
nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222074, nlmsg_pid=5153}, {ifi_family=AF_UNSPEC,
ifi_type=ARPHRD_IP6GRE, ifi_index=if_nametoindex("ip6gre0"), ifi_flags=IFF_NOARP, ifi_change=0}, [{nla_len=12, nla_type=IFLA_IFNAME},
{"ip6gre0"}], [{nla_len=8, nla_type=IFLA_TXQLEN}, 1000], [{nla_len=5, nla_type=IFLA_OPERSTATE}, 2], [{nla_len=5, nla_type=IFLA_LINKMODE}, 0],
[{nla_len=8, nla_type=IFLA_MTU}, 1448], [{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=0x3d /* IFLA_??? */}, {"x00\x00\x00\x00"}],
[{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=0x3a /* IFLA_??? */}, {"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x3f /* IFLA_???
*/}, {"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x40 /* IFLA_??? */}, {"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x3b /* IFLA_??? */},
{"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x3c /* IFLA_??? */}, {"xff\xff\x00\x00"}], [{nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], [{nla_len=5,
nla_type=IFLA_CARRIER}, 1], [{nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0],
[{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], [{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=20,
nla_type=IFLA_ADDRESS}, {00:00:00:00:00:00}], [{nla_len=20, nla_type=IFLA_BROADCAST}, {00:00:00:00:00:00}], [{nla_len=204,
nla_type=IFLA_STATS64}, {rx_packets=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=172, nla_type=IFLA_LINKINFO},
[[{nla_len=11, nla_type=IFLA_INFO_KIND}, {"ip6gre"}], [{nla_len=156, nla_type=IFLA_INFO_DATA},
{"x08\x00\x01\x00\x00\x00\x00\x00\x06\x00\x02\x00\x00\x00\x00\x00\x06\x00\x03\x00\x00\x00\x00\x00\x08\x00\x04\x00\x00\x00\x00\x00"}...]],
[{nla_len=20, nla_type=IFLA_PERM_ADDRESS}, {06:d1:90:f8:48:fb:00}], [{nla_len=8, nla_type=IFLA_LINK}, 0], ...]], iov_len=4096}, msg_iovlen=1,
msg_controllen=0, msg_flags=0}, 0) = 3280
```

```
[pid 5153] recvmsg(10, {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12, msg_iov=[{iov_base=[{nlmsg_len=1468,
nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222074, nlmsg_pid=5153}, {ifi_family=AF_UNSPEC,
ifi_type=ARPHRD_ETHER, ifi_index=if_nametoindex("eth0"), ifi_flags=IFF_UP|IFF_BROADCAST|IFF_RUNNING|IFF_MULTICAST|IFF_LOWER_UP,
ifi_change=0}, [{nla_len=9, nla_type=IFLA_IFNAME}, {"eth0"}], [{nla_len=8, nla_type=IFLA_TXQLEN}, 0], [{nla_len=5, nla_type=IFLA_OPERSTATE}, 6],
[{nla_len=5, nla_type=IFLA_LINKMODE}, 0], [{nla_len=8, nla_type=IFLA_MTU}, 65535], [{nla_len=8, nla_type=IFLA_MIN_MTU}, 68], [{nla_len=8,
nla_type=IFLA_MAX_MTU}, 65535], [{nla_len=8, nla_type=IFLA_GROUP}, 0], [{nla_len=8, nla_type=IFLA_PROMISCUITY}, 0], [{nla_len=8,
nla_type=0x3d /* IFLA_??? */}, {"x00\x00\x00\x00"}], [{nla_len=8, nla_type=IFLA_NUM_TX_QUEUES}, 10], [{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=0x3a /* IFLA_??? */},
{"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x3f /* IFLA_??? */}, {"x00\x00\x01\x00"}], [{nla_len=8, nla_type=0x40 /* IFLA_??? */}, {"x00\x00\x01\x00"}],
[{nla_len=8, nla_type=0x3b /* IFLA_??? */}, {"xf8\xff\x07\x00"}], [{nla_len=8, nla_type=0x3c /* IFLA_??? */}, {"xff\xff\x00\x00"}], [{nla_len=8,
nla_type=IFLA_NUM_RX_QUEUES}, 10], [{nla_len=5, nla_type=IFLA_CARRIER}, 1], [{nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 2],
[{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 1], [{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 1], [{nla_len=5,
nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=10, nla_type=IFLA_ADDRESS}, {02:42:ac:11:00:03}], [{nla_len=10, nla_type=IFLA_BROADCAST},
{ff:ff:ff:ff:ff:ff}], [{nla_len=204, nla_type=IFLA_STATS64}, {rx_packets=3354, tx_packets=1753, rx_bytes=51454683, tx_bytes=150138, 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=3354, tx_packets=1753, rx_bytes=51454683,
tx_bytes=150138, 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=16, nla_type=IFLA_LINKINFO}, [{nla_len=9, nla_type=IFLA_INFO_KIND},
{"veth"}], [{nla_len=8, nla_type=IFLA_LINK_NETNSID}, 0], [{nla_len=8, nla_type=IFLA_LINK}, 20], ...]], iov_len=4096}, msg_iovlen=1,
msg_controllen=0, msg_flags=0}, 0) = 1468
```

```
[pid 5153] recvmsg(10, {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12, msg_iov=[{iov_base=[{nlmsg_len=20,
nlmsg_type=NLMMSG_DONE, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222074, nlmsg_pid=5153}, 0], iov_len=4096}], msg_iovlen=1, msg_controllen=0,
msg_flags=0}, 0) = 20
```

```
[pid 5153] sendto(10, [{nlmsg_len=20, nlmsg_type=RTM_GETADDR, nlmsg_flags=NLM_F_REQUEST|NLM_F_DUMP,
nlmsg_seq=1741222075, nlmsg_pid=0}, {ifa_family=AF_UNSPEC, ...}], 20, 0, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12) =
20
```

```
[pid 5153] recvmsg(10, {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12, msg_iov=[{iov_base=[{nlmsg_len=76,
nlmsg_type=RTM_NEWADDR, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222075, nlmsg_pid=5153}, {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=14484, tstamp=14484}]]], [{nlmsg_len=88, nlmsg_type=RTM_NEWADDR, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222075,
nlmsg_pid=5153},
{ifa_family=AF_INET, ifa_prefixlen=16, ifa_flags=IFA_F_PERMANENT, ifa_scope=RT_SCOPE_UNIVERSE, ifa_index=if_nametoindex("eth0")},
[{nla_len=8, nla_type=IFA_ADDRESS}, inet_addr("172.17.0.3")], [{nla_len=8, nla_type=IFA_LOCAL}, inet_addr("172.17.0.3")], [{nla_len=8,
nla_type=IFA_BROADCAST}, inet_addr("172.17.255.255")], [{nla_len=9, nla_type=IFA_LABEL}, "eth0"], [{nla_len=8, nla_type=IFA_FLAGS},
IFA_F_PERMANENT], [{nla_len=20, nla_type=IFA_CACHEINFO}, {ifa_prefered=4294967295, ifa_valid=4294967295, cstamp=14490, tstamp=14490}]]],
[{nlmsg_len=80, nlmsg_type=RTM_NEWADDR, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222075, nlmsg_pid=5153}, {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=14484, tstamp=14484}], [{nla_len=8, nla_type=IFA_FLAGS}, IFA_F_PERMANENT], [{nla_len=5, nla_type=0xb /* IFA_??? */}, "\x01"]]]],
iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 244
```

```
[pid 5153] recvmsg(10, {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12, msg_iov=[{iov_base=[{nlmsg_len=20,
nlmsg_type=NLMMSG_DONE, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222075, nlmsg_pid=5153}, 0], iov_len=4096}], msg_iovlen=1, msg_controllen=0,
msg_flags=0}, 0) = 20
```

```
[pid 5153] close(10) = 0
```

```
[pid 5153] socket(AF_INET, SOCK_STREAM|SOCK_CLOEXEC, IPPROTO_TCP) = 10
```

```
[pid 5153] setsockopt(10, SOL_SOCKET, SO_REUSEADDR, [1], 4) = 0
```

```
[pid 5153] bind(10, {sa_family=AF_INET, sin_port=htons(5551), sin_addr=inet_addr("127.0.0.1")}, 16) = 0
```

```
[pid 5153] listen(10, 100) = 0
```

```
[pid 5153] getsockname(10, {sa_family=AF_INET, sin_port=htons(5551), sin_addr=inet_addr("127.0.0.1")}, [128 => 16]) = 0
```

```
[pid 5153] getsockname(10, {sa_family=AF_INET, sin_port=htons(5551), sin_addr=inet_addr("127.0.0.1")}, [128 => 16]) = 0
```

```
[pid 5153] getpid() = 5153
```

```
[pid 5153] write(7, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
```

```
[pid 5155] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=3664093488, u64=187650785255728}}, 256, -1, NULL, 8) =
```

```
1 [pid 5153] <... write resumed> = 8
```

```
[pid 5155] getpid( <unfinished ...>
```

```
[pid 5153] getpid( <unfinished ...>
```

```
[pid 5155] <... getpid resumed>
```

```
= 5153 [pid 5153] <... getpid
```

```
resumed>)
```

```
=
```

```
5153
```

```
[pid 5155] ppoll([{fd=7, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>
```

```
[pid 5153] write(9, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>
```

```
[pid 5155] <... ppoll resumed> = 1 ({fd=7, revents=POLLIN}), left
```

```
{tv_sec=0, tv_nsec=0}) [pid 5153] <... write resumed> = 8
```

```
[pid 5155] getpid( <unfinished ...>
```

```
[pid 5153] write(1, "Compute Node 1 started, listenin"..., 58 <unfinished
```

```
...> [pid 5155] <... getpid resumed>) = 5153
```

```
[pid 5153] <... write resumed>
```

```
= 58 [pid 5155] read(7, <unfinished
```

...> [pid 5153] getpid( <unfinished

...>

[pid 5155] <... read resumed>"1\0\0\0\0\0\0", 8) = 8

```

[pid 5153] <... getpid resumed>    = 5153

[pid 5155] mmap(NULL, 134217728, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_NORESERVE, -1, 0 <unfinished ...>

[pid 5153] ppoll([{fd=9, events=POLLIN}], 1, NULL, NULL, 0 <unfinished
...> [pid 5155] <... mmap resumed>) = 0xffff7ae00000

[pid 5153] <... ppoll resumed>    = 1 ([{fd=9,
revents=POLLIN}]) [pid 5155] munmap(0xffff7ae00000,
18874368
<unfinished ...>

[pid 5153] getpid( <unfinished ...>

[pid 5155] <... munmap resumed>) =
0 [pid 5153] <... getpid resumed> =
5153

[pid 5155] munmap(0xffff80000000, 48234496 <unfinished ...>

[pid 5153] read(9, <unfinished ...>

[pid 5155] <... munmap resumed>) = 0

[pid 5153] <... read resumed>"\1\0\0\0\0\0\0", 8) = 8

[pid 5155] mprotect(0xffff7c000000, 135168, PROT_READ|PROT_WRITE <unfinished ...>

[pid 5153] getpid( <unfinished ...>

[pid 5155] <... mprotect resumed>) = 0

[pid 5153] <... getpid resumed>    =
5153

[pid 5155] epoll_ctl(8, EPOLL_CTL_ADD, 10, {events=0, data={u32=2080377712, u64=281472762121072}} <unfinished ...>

[pid 5153] ppoll([{fd=9, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5155] <... epoll_ctl resumed>) = 0

[pid 5153] <... ppoll resumed>    = 0 (Timeout)

[pid 5155] epoll_ctl(8, EPOLL_CTL_MOD, 10, {events=EPOLLIN, data={u32=2080377712, u64=281472762121072}} <unfinished ...>

[pid 5153] getpid( <unfinished ...>

[pid 5155] <... epoll_ctl resumed>) = 0

[pid 5153] <... getpid resumed>    =
5153 [pid 5155] getpid( <unfinished ...>

[pid 5153] ppoll([{fd=9, events=POLLIN}], 1, NULL, NULL, 0 <unfinished
...> [pid 5155] <... getpid resumed>) = 5153

[pid 5155] ppoll([{fd=7, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0) = 0 (Timeout)

[pid 5155] epoll_pwait(8, <unfinished ...>

[pid 5151] <... clock_nanosleep resumed>0xffffe4f67958) = 0

[pid 5151] eventfd2(0, EFD_CLOEXEC) = 4

[pid 5151] fcntl(4, F_GETFL)      = 0x2 (flags O_RDWR)

[pid 5151] fcntl(4, F_SETFL, O_RDWR|O_NONBLOCK) =

```



[pid 5151] fcntl(4, F\_GETFL) = 0x802 (flags

O\_RDWR|O\_NONBLOCK) [pid 5151] fcntl(4, F\_SETFL,

O\_RDWR|O\_NONBLOCK) = 0

[pid 5151] getpid() = 5151

```

[pid 5151] epoll_create1(EPOLL_CLOEXEC) = 5

[pid 5151] epoll_ctl(5, EPOLL_CTL_ADD, 4, {events=0, data={u32=3664068656, u64=187650785230896}}) = 0

[pid 5151] epoll_ctl(5, EPOLL_CTL_MOD, 4, {events=EPOLLIN, data={u32=3664068656, u64=187650785230896}}) = 0

[pid 5151] getpid() = 5151

[pid 5151] rt_sigaction(SIGRT_1, {sa_handler=0xffff8493a700, sa_mask=[], sa_flags=SA_ONSTACK|SA_RESTART|SA_SIGINFO}, NULL, 8) = 0

[pid 5151] rt_sigprocmask(SIG_UNBLOCK, [RTMIN RT_1], NULL, 8) = 0

[pid 5151] mmap(NULL, 8454144, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0xffff83800000

[pid 5151] mprotect(0xffff83810000, 8388608, PROT_READ|PROT_WRITE) = 0

[pid 5151] rt_sigprocmask(SIG_BLOCK, ~[], [], 8) = 0

[pid 5151] clone(child_stack=0xffff8400e6e0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_PARENT_SETTID
|C
LONE_CHILD_CLEARTID, parent_tid=[5172], tls=0xffff8400f660, child_tidptr=0xffff8400ef70)

= 5172 strace: Process 5172 attached

[pid 5151] rt_sigprocmask(SIG_SETMASK, [], <unfinished ...>

[pid 5172] rseq(0xffff8400f640, 0x20, 0, 0xd428bc00 <unfinished ...>

[pid 5151] <... rt_sigprocmask resumed>NULL, 8) = 0

[pid 5172] <... rseq resumed> = 0

[pid 5151] eventfd2(0, EFD_CLOEXEC <unfinished ...>

[pid 5172] set_robust_list(0xffff8400ef80, 24 <unfinished ...>

[pid 5151] <... eventfd2 resumed>) = 6

[pid 5172] <... set_robust_list resumed>) = 0

[pid 5151] fcntl(6, F_GETFL <unfinished ...>

[pid 5172] rt_sigprocmask(SIG_SETMASK, [], <unfinished
...> [pid 5151] <... fcntl resumed>) = 0x2 (flags O_RDWR)

[pid 5172] <... rt_sigprocmask resumed>NULL, 8) = 0

[pid 5151] fcntl(6, F_SETFL, O_RDWR|O_NONBLOCK <unfinished ...>

[pid 5172] rt_sigprocmask(SIG_BLOCK, ~[RTMIN RT_1], <unfinished
...> [pid 5151] <... fcntl resumed>) = 0

[pid 5172] <... rt_sigprocmask resumed>NULL, 8) = 0

[pid 5151] fcntl(6, F_GETFL <unfinished ...>

[pid 5172] sched_getparam(5172, <unfinished ...>

[pid 5151] <... fcntl resumed> = 0x802 (flags
O_RDWR|O_NONBLOCK) [pid 5172] <... sched_getparam resumed>[0]) =
0 [pid 5151] fcntl(6, F_SETFL, O_RDWR|O_NONBLOCK <unfinished ...>

[pid 5172] sched_getscheduler(5172 <unfinished ...>

[pid 5151] <... fcntl resumed> = 0

[pid 5172] <... sched_getscheduler resumed>) = 0 (SCHED_OTHER)

[pid 5151] getpid( <unfinished ...>

```

```

[pid 5172] sched_setscheduler(5172, SCHED_OTHER, [0] <unfinished
...> [pid 5151] <... getpid resumed>) = 5151
[pid 5172] <... sched_setscheduler resumed>) = 0
[pid 5151] epoll_create1(EPOLL_CLOEXEC <unfinished ...>
[pid 5172] prctl(PR_SET_NAME, "ZMQbg/Reaper" <unfinished ...>
[pid 5151] <... epoll_create1 resumed>) = 7
[pid 5172] <... prctl resumed>) = 0
[pid 5151] epoll_ctl(7, EPOLL_CTL_ADD, 6, {events=0, data={u32=3664090192, u64=187650785252432}} <unfinished
...> [pid 5172] epoll_pwait(5, <unfinished ...>
[pid 5151] <... epoll_ctl resumed>) = 0
[pid 5151] epoll_ctl(7, EPOLL_CTL_MOD, 6, {events=EPOLLIN, data={u32=3664090192, u64=187650785252432}}) = 0
[pid 5151] mmap(NULL, 8454144, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0xffff82e00000
[pid 5151] mprotect(0xffff82e10000, 8388608, PROT_READ|PROT_WRITE) = 0
[pid 5151] rt_sigprocmask(SIG_BLOCK, ~[], [], 8) = 0
[pid 5151] clone(child_stack=0xffff8360e6e0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_PARENT_SETTID
|CLONE_CHILD_CLEARTID, parent_tid=[5173], tls=0xffff8360f660, child_tidptr=0xffff8360ef70)
= 5173 strace: Process 5173 attached
[pid 5151] rt_sigprocmask(SIG_SETMASK, [], <unfinished ...>
[pid 5173] rseq(0xffff8360f640, 0x20, 0, 0xd428bc00 <unfinished ...>
[pid 5151] <... rt_sigprocmask resumed>NULL, 8) = 0
[pid 5173] <... rseq resumed>) = 0
[pid 5151] eventfd2(0, EFD_CLOEXEC) = 8
[pid 5173] set_robust_list(0xffff8360ef80, 24 <unfinished ...>
[pid 5151]fcntl(8, F_GETFL <unfinished ...>
[pid 5173] <... set_robust_list resumed>) = 0
[pid 5151] <... fcntl resumed>) = 0x2 (flags O_RDWR)
[pid 5173] rt_sigprocmask(SIG_SETMASK, [], <unfinished
...>
[pid 5151]fcntl(8, F_SETFL, O_RDWR|O_NONBLOCK <unfinished ...>
[pid 5173] <... rt_sigprocmask resumed>NULL, 8) = 0
[pid 5151] <... fcntl resumed>) = 0
[pid 5173] rt_sigprocmask(SIG_BLOCK, ~[RTMIN RT_1], <unfinished ...>
[pid 5151]fcntl(8, F_GETFL <unfinished ...>
[pid 5173] <... rt_sigprocmask resumed>NULL, 8) = 0
[pid 5151] <... fcntl resumed>) = 0x802 (flags
O_RDWR|O_NONBLOCK) [pid 5173] sched_getparam(5173, <unfinished
...> [pid 5151]fcntl(8, F_SETFL, O_RDWR|O_NONBLOCK <unfinished ...>
[pid 5173] <... sched_getparam resumed>[0]) = 0

```

```

[pid 5151] <... fcntl resumed>) = 0

[pid 5173] sched_getscheduler(5173 <unfinished ...>

[pid 5151] getpid( <unfinished ...>

[pid 5173] <... sched_getscheduler resumed>) = 0

(SCHED_OTHER) [pid 5151] <... getpid resumed>) = 5151

[pid 5173] sched_setscheduler(5173, SCHED_OTHER, [0] <unfinished ...>

[pid 5151] getpid( <unfinished ...>

[pid 5173] <... sched_setscheduler resumed>) =

0 [pid 5151] <... getpid resumed>) = 5151

[pid 5173] prctl(PR_SET_NAME, "ZMQbg/IO/0" <unfinished ...>

[pid 5151] ppoll([{fd=8, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished

...> [pid 5173] <... prctl resumed>) = 0

[pid 5151] <... ppoll resumed>) = 0

(Timeout) [pid 5151]

brk(0xaaaa684000

<unfinished ...> [pid 5173] epoll_pwait(7,

<unfinished ...>

[pid 5151] <... brk resumed>) = 0xaaaa684000

[pid 5151] futex(0xffff846277a4, FUTEX_WAKE_PRIVATE, 2147483647) = 0

[pid 5151] futex(0xffff846277b0, FUTEX_WAKE_PRIVATE, 2147483647) = 0

[pid 5151] getpid() = 5151

[pid 5151] write(6, "\1\0\0\0\0\0\0", 8) = 8

[pid 5173] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=3664090192, u64=187650785252432}}, 256, -1, NULL, 8) =

1 [pid 5151] getpid( <unfinished ...>

[pid 5173] getpid( <unfinished ...>

[pid 5151] <... getpid resumed>)

= 5151 [pid 5173] <... getpid

resumed>)

=

5151

[pid 5151] write(8, "\1\0\0\0\0\0\0", 8 <unfinished ...>

[pid 5173] ppoll([{fd=6, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished

...> [pid 5151] <... write resumed>) = 8

[pid 5173] <... ppoll resumed>) = 1 ([{fd=6, revents=POLLIN}], left

{tv_sec=0, tv_nsec=0}) [pid 5151] write(1, "Ok: 5153\n", 9 <unfinished ...>

[pid 5173] getpid( <unfinished ...>

[pid 5151] <... write resumed>) =

9 [pid 5173] <... getpid resumed>) =

5151

[pid 5151] pselect6(1, [0], NULL, NULL, {tv_sec=0, tv_nsec=0}, NULL <unfinished ...>

```

[pid 5173] read(6, <unfinished ...>

[pid 5151] <... pselect6 resumed> = 1 (in [0], left {tv\_sec=0, tv\_nsec=0})

[pid 5173] <... read resumed>"\\0\\0\\0\\0\\0\\0", 8) = 8

```

[pid 5151] write(1, "Received command: ping 1\n", 25 <unfinished ...>

[pid 5173] mmap(NULL, 134217728, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_NORESERVE, -1, 0 <unfinished ...>

[pid 5151] <... write resumed>)      =

25 [pid 5173] <... mmap resumed>)    =

0xffff7ae00000 [pid 5151] getpid( <unfinished ...>

[pid 5173] munmap(0xffff7ae00000, 18874368 <unfinished

...> [pid 5151] <... getpid resumed>) = 5151

[pid 5173] <... munmap resumed>)      = 0

[pid 5151] ppoll([{fd=8, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5173] munmap(0xffff80000000, 48234496 <unfinished ...>

[pid 5151] <... ppoll resumed>)      = 1 ([{fd=8, revents=POLLIN}], left

{tv_sec=0, tv_nsec=0}) [pid 5173] <... munmap resumed>)      = 0

[pid 5151] getpid( <unfinished ...>

[pid 5173] mprotect(0xffff7c000000, 135168, PROT_READ|PROT_WRITE <unfinished

...> [pid 5151] <... getpid resumed>) = 5151

[pid 5173] <... mprotect resumed>) = 0

[pid 5151] read(8, <unfinished ...>

[pid 5173] socket(AF_INET, SOCK_STREAM|SOCK_CLOEXEC, IPPROTO_TCP <unfinished

...> [pid 5151] <... read resumed>"\1\0\0\0\0\0\0", 8) = 8

[pid 5173] <... socket resumed>)

= 9 [pid 5151] getpid( <unfinished ...>

[pid 5173] fcntl(9, F_GETFL <unfinished

...> [pid 5151] <... getpid resumed>) = 5151

[pid 5173] <... fcntl resumed>)      = 0x2 (flags O_RDWR)

[pid 5151] ppoll([{fd=8, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0) = 0 (Timeout)

[pid 5173] fcntl(9, F_SETFL, O_RDWR|O_NONBLOCK <unfinished ...>

[pid 5151] getpid( <unfinished ...>

[pid 5173] <... fcntl resumed>)      =

0

[pid 5151] <... getpid resumed>)      = 5151

[pid 5173] connect(9, {sa_family=AF_INET, sin_port=htons(5551), sin_addr=inet_addr("127.0.0.1")}, 16 <unfinished ...>

[pid 5151] ppoll([{fd=8, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5173] <... connect resumed>)    = -1 EINPROGRESS (Operation now in progress)

[pid 5155] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=2080377712, u64=281472762121072}}], 256, -1, NULL, 8) =

1 [pid 5151] <... ppoll resumed>)    = 0 (Timeout)

[pid 5173] epoll_ctl(7, EPOLL_CTL_ADD, 9, {events=0, data={u32=2080379952, u64=281472762123312}} <unfinished

...> [pid 5151] pselect6(1, [0], NULL, NULL, {tv_sec=0, tv_nsec=0}, NULL <unfinished ...>

[pid 5155] accept4(10, <unfinished ...>

```



```

[pid 5151] <... pselect6 resumed> = 1 (in [0], left {tv_sec=0, tv_nsec=0})

[pid 5173] <... epoll_ctl resumed> = 0

[pid 5151] write(1, "Received command: exec 1 3 5 7 9"..., 33 <unfinished ...>

[pid 5155] <... accept4 resumed> {sa_family=AF_INET, sin_port=htons(41806), sin_addr=inet_addr("127.0.0.1")}, [128 => 16], SOCK_CLOEXEC) =
11 [pid 5151] <... write resumed> = 33

[pid 5173] epoll_ctl(7, EPOLL_CTL_MOD, 9, {events=EPOLLOUT, data={u32=2080379952, u64=281472762123312}} <unfinished
...> [pid 5151] getpid( <unfinished ...>

[pid 5155] setsockopt(11, SOL_TCP, TCP_NODELAY, [1], 4 <unfinished
...> [pid 5151] <... getpid resumed>) = 5151

[pid 5173] <... epoll_ctl resumed> = 0

[pid 5151] ppoll([{fd=8, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5155] <... setsockopt resumed> = 0

[pid 5151] <... ppoll resumed> = 0

(Timeout) [pid 5173] getpid( <unfinished
...>

[pid 5151] write(1, "Error:1: Node is unavailable\n", 29 <unfinished ...>

[pid 5155] getsockname(11, <unfinished ...>

[pid 5151] <... write resumed> =
29 [pid 5173] <... getpid resumed> =
5151 [pid 5151] getpid( <unfinished ...>

[pid 5155] <... getsockname resumed> {sa_family=AF_INET, sin_port=htons(5551), sin_addr=inet_addr("127.0.0.1")}, [128 => 16]) =
0 [pid 5151] <... getpid resumed> = 5151

[pid 5173] ppoll([{fd=6, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5151] ppoll([{fd=8, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5155] getpeername(11, <unfinished ...>

[pid 5151] <... ppoll resumed> = 0 (Timeout)

[pid 5173] <... ppoll resumed> = 0 (Timeout)

[pid 5151] pselect6(1, [0], NULL, NULL, {tv_sec=0, tv_nsec=0}, NULL <unfinished ...>

[pid 5155] <... getpeername resumed> {sa_family=AF_INET, sin_port=htons(41806), sin_addr=inet_addr("127.0.0.1")}, [128 => 16]) = 0

[pid 5151] <... pselect6 resumed> = 1 (in [0], left {tv_sec=0, tv_nsec=0})

[pid 5173] epoll_pwait(7, <unfinished ...>

[pid 5151] write(1, "Received command: create 2\n", 27 <unfinished
...> [pid 5155] getpeername(11, <unfinished ...>

[pid 5151] <... write resumed> = 27

[pid 5173] <... epoll_pwait resumed> [{events=EPOLLOUT, data={u32=2080379952, u64=281472762123312}}, 256, -1, NULL, 8) = 1

[pid 5151] clone(child_stack=NULL, flags=CLONE_CHILD_CLEARTID|CLONE_CHILD_SETTID|SIGCHLD <unfinished ...>

[pid 5155] <... getpeername resumed> {sa_family=AF_INET, sin_port=htons(41806), sin_addr=inet_addr("127.0.0.1")}, [128 => 16]) = 0

```

strace: Process 5174 attached

[pid 5173] epoll\_ctl(7, EPOLL\_CTL\_DEL, 9, 0xffff7c001438 <unfinished ...>

[pid 5155] fcntl(11, F\_GETFL <unfinished ...>

[pid 5151] <... clone resumed>, child\_tidptr=0xffff84b0c0f0) = 5174

[pid 5174] set\_robust\_list(0xffff84b0c100, 24 <unfinished ...>

[pid 5173] <... epoll\_ctl resumed>) = 0

[pid 5151] clock\_nanosleep(CLOCK\_REALTIME, 0, {tv\_sec=1, tv\_nsec=0}, <unfinished ...>

[pid 5174] <... set\_robust\_list resumed>) = 0

[pid 5155] <... fcntl resumed>) = 0x2 (flags O\_RDWR)

[pid 5173] getsockopt(9, SOL\_SOCKET, SO\_ERROR, <unfinished ...>

...> [pid 5174] eventfd2(0, EFD\_CLOEXEC <unfinished ...>

[pid 5155] fcntl(11, F\_SETFL, O\_RDWR|O\_NONBLOCK <unfinished ...>

[pid 5174] <... eventfd2 resumed>) = 10

[pid 5173] <... getsockopt resumed>[0], [4]) =

0 [pid 5174] fcntl(10, F\_GETFL <unfinished ...>

...> [pid 5155] <... fcntl resumed>) = 0

[pid 5174] <... fcntl resumed>) = 0x2 (flags O\_RDWR)

[pid 5173] setsockopt(9, SOL\_TCP, TCP\_NODELAY, [1], 4 <unfinished ...>

[pid 5174] fcntl(10, F\_SETFL, O\_RDWR|O\_NONBLOCK <unfinished ...>

[pid 5155] getpid( <unfinished ...>

[pid 5174] <... fcntl resumed>) = 0

[pid 5173] <... setsockopt resumed>) =

0

[pid 5174] fcntl(10, F\_GETFL <unfinished ...>

...> [pid 5155] <... getpid resumed>) = 5153

[pid 5174] <... fcntl resumed>) = 0x802 (flags

O\_RDWR|O\_NONBLOCK) [pid 5173] getsockname(9, <unfinished ...>

[pid 5174] fcntl(10, F\_SETFL, O\_RDWR|O\_NONBLOCK <unfinished ...>

...> [pid 5155] write(7, "\1\0\0\0\0\0\0", 8 <unfinished ...>

[pid 5174] <... fcntl resumed>) = 0

[pid 5173] <... getsockname resumed>{sa\_family=AF\_INET, sin\_port=htons(41806), sin\_addr=inet\_addr("127.0.0.1")}, [128 => 16]) = 0

[pid 5174] getpid( <unfinished ...>

[pid 5155] <... write resumed>) =

8 [pid 5174] <... getpid resumed>) =

5174 [pid 5173] getpeername(9,

<unfinished ...> [pid 5174] getpid(

<unfinished ...>

[pid 5155] epoll\_pwait(8, <unfinished ...>

...> [pid 5174] <... getpid resumed>) =

5174

[pid 5173] <... getpeername resumed>{sa\_family=AF\_INET, sin\_port=htons(5551), sin\_addr=inet\_addr("127.0.0.1")}, [128 => 16]) = 0

[pid 5174] eventfd2(0, EFD\_CLOEXEC <unfinished ...>

[pid 5155] <... epoll\_pwait resumed>[{events=EPOLLIN, data={u32=3664093488, u64=187650785255728}}], 256, -1, NULL, 8) =

1 [pid 5174] <... eventfd2 resumed>) = 11

[pid 5173] fcntl(9, F\_GETFL <unfinished ...>

[pid 5174] fcntl(11, F\_GETFL <unfinished ...>

[pid 5155] getpid( <unfinished ...>

[pid 5174] <... fcntl resumed>) = 0x2 (flags O\_RDONLY)

[pid 5173] <... fcntl resumed>) = 0x802 (flags

O\_RDONLY|O\_NONBLOCK) [pid 5174] fcntl(11,

F\_SETFL,

O\_RDONLY|O\_NONBLOCK <unfinished ...> [pid 5155] <... getpid resumed>)

= 5153

[pid 5174] <... fcntl resumed>) = 0

[pid 5173] fcntl(9, F\_SETFL, O\_RDONLY|O\_NONBLOCK <unfinished ...>

[pid 5174] fcntl(11, F\_GETFL <unfinished ...>

[pid 5155] ppoll([{fd=7, events=POLLIN}], 1, {tv\_sec=0, tv\_nsec=0}, NULL, 0 <unfinished

...> [pid 5174] <... fcntl resumed>) = 0x802 (flags O\_RDONLY|O\_NONBLOCK)

[pid 5173] <... fcntl resumed>) = 0

[pid 5174] fcntl(11, F\_SETFL, O\_RDONLY|O\_NONBLOCK <unfinished ...>

[pid 5155] <... ppoll resumed>) = 1 ([{fd=7, revents=POLLIN}], left {tv\_sec=0, tv\_nsec=0}) [pid

5174] <... fcntl resumed>) = 0

[pid 5173] getpid( <unfinished ...>

[pid 5174] getpid( <unfinished ...>

[pid 5155] getpid( <unfinished ...>

[pid 5174] <... getpid resumed>)

= 5174 [pid 5173] <... getpid

resumed>)

=

5151

[pid 5174] epoll\_create1(EPOLL\_CLOEXEC <unfinished

...> [pid 5155] <... getpid resumed>) = 5153

[pid 5174] <... epoll\_create1 resumed>) = 12

[pid 5173] write(6, "\1\0\0\0\0\0\0", 8 <unfinished ...>

[pid 5174] epoll\_ctl(12, EPOLL\_CTL\_ADD, 11, {events=0, data={u32=3664146064, u64=187650785308304}} <unfinished ...>

[pid 5155] read(7, <unfinished ...>

[pid 5174] <... epoll\_ctl resumed>) = 0

[pid 5173] <... write resumed>) =

8

[pid 5174] epoll\_ctl(12, EPOLL\_CTL\_MOD, 11, {events=EPOLLIN, data={u32=3664146064, u64=187650785308304}} <unfinished

...> [pid 5155] <... read resumed>"\1\0\0\0\0\0\0", 8) = 8

[pid 5174] <... epoll\_ctl resumed>) = 0

[pid 5173] epoll\_pwait(7, <unfinished

...>

[pid 5174] getpid( <unfinished ...>

[pid 5155] epoll\_ctl(8, EPOLL\_CTL\_ADD, 11, {events=0, data={u32=2080381392, u64=281472762124752}}) <unfinished  
...> [pid 5174] <... getpid resumed>) = 5174

[pid 5173] <... epoll\_pwait resumed>[{events=EPOLLIN, data={u32=3664090192, u64=187650785252432}}], 256, -1, NULL, 8) =  
1 [pid 5155] <... epoll\_ctl resumed>) = 0

[pid 5174] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 5173] getpid( <unfinished ...>

[pid 5174] <... rt\_sigprocmask resumed>[], 8) = 0  
[pid 5155] epoll\_ctl(8, EPOLL\_CTL\_MOD, 11, {events=EPOLLIN, data={u32=2080381392, u64=281472762124752}}) <unfinished ...>  
[pid 5174] clone(child\_stack=0xffff8360e6e0, flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID <unfinished  
...> [pid 5173] <... getpid resumed>) = 5151

strace: Process 5175 attached

[pid 5173] ppoll([{fd=6, events=POLLIN}], 1, {tv\_sec=0, tv\_nsec=0}, NULL, 0 <unfinished ...>

[pid 5155] <... epoll\_ctl resumed>) = 0

[pid 5175] rseq(0xffff8360f640, 0x20, 0, 0xd428bc00 <unfinished ...>

[pid 5174] <... clone resumed>, parent\_tid=[5175], tls=0xffff8360f660, child\_tidptr=0xffff8360ef70) =  
5175 [pid 5173] <... ppoll resumed>) = 1 ([{fd=6, revents=POLLIN}], left {tv\_sec=0, tv\_nsec=0})

[pid 5175] <... rseq resumed>) = 0

[pid 5174] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 5155] epoll\_ctl(8, EPOLL\_CTL\_MOD, 11, {events=EPOLLIN|EPOLLOUT, data={u32=2080381392, u64=281472762124752}}) <unfinished ...>

[pid 5175] set\_robust\_list(0xffff8360ef80, 24 <unfinished ...>

[pid 5174] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 5173] getpid( <unfinished ...>

[pid 5175] <... set\_robust\_list resumed>) = 0

[pid 5174] eventfd2(0, EFD\_CLOEXEC <unfinished ...>

[pid 5155] <... epoll\_ctl resumed>) = 0

[pid 5175] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 5174] <... eventfd2 resumed>) = 13

[pid 5173] <... getpid resumed>) = 5151

[pid 5175] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 5174] fcntl(13, F\_GETFL <unfinished ...>

[pid 5155] recvfrom(11, <unfinished ...>

[pid 5175] rt\_sigprocmask(SIG\_BLOCK, ~[RTMIN RT\_1], <unfinished  
...> [pid 5174] <... fcntl resumed>) = 0x2 (flags O\_RDWR)

[pid 5173] read(6, <unfinished ...>

[pid 5175] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 5174] fcntl(13, F\_SETFL, O\_RDWR|O\_NONBLOCK <unfinished ...>

[pid 5155] <... recvfrom resumed>0xffff7c001308, 12, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily unavailable)

[pid 5175] sched\_getparam(5175, <unfinished ...>

[pid 5174] <... fcntl resumed>) = 0

[pid 5173] <... read resumed>"\1\0\0\0\0\0\0", 8) = 8

[pid 5175] <... sched\_getparam resumed>[0] = 0

[pid 5174] fcntl(13, F\_GETFL <unfinished ...>

[pid 5155] getpid( <unfinished ...>

[pid 5175] sched\_getscheduler(5175 <unfinished ...>

[pid 5174] <... fcntl resumed>) = 0x802 (flags O\_RDWR|O\_NONBLOCK)

[pid 5173] epoll\_ctl(7, EPOLL\_CTL\_ADD, 9, {events=0, data={u32=2080379952, u64=281472762123312}} <unfinished ...> [pid 5175] <... sched\_getscheduler resumed>) = 0 (SCHED\_OTHER)

[pid 5174] fcntl(13, F\_SETFL, O\_RDWR|O\_NONBLOCK <unfinished ...> [pid 5155] <... getpid resumed>) = 5153

[pid 5175] sched\_setscheduler(5175, SCHED\_OTHER, [0] <unfinished ...> [pid 5174] <... fcntl resumed>) = 0

[pid 5173] <... epoll\_ctl resumed>) = 0

[pid 5175] <... sched\_setscheduler resumed>) = 0 [pid 5174] getpid( <unfinished ...>

[pid 5155] ppoll([{fd=7, events=POLLIN}], 1, {tv\_sec=0, tv\_nsec=0}, NULL, 0 <unfinished ...>

[pid 5175] prctl(PR\_SET\_NAME, "ZMQbg/Reaper" <unfinished ...>

[pid 5174] <... getpid resumed>) = 5174

[pid 5173] epoll\_ctl(7, EPOLL\_CTL\_MOD, 9, {events=EPOLLIN, data={u32=2080379952, u64=281472762123312}} <unfinished ...> [pid 5175] <... prctl resumed>) = 0

[pid 5174] epoll\_create1(EPOLL\_CLOEXEC <unfinished ...> [pid 5155] <... ppoll resumed>) = 0 (Timeout)

[pid 5175] epoll\_pwait(12, <unfinished ...>

[pid 5174] <... epoll\_create1 resumed>) = 14

[pid 5173] <... epoll\_ctl resumed>) = 0

[pid 5174] epoll\_ctl(14, EPOLL\_CTL\_ADD, 13, {events=0, data={u32=3664149216, u64=187650785311456}} <unfinished ...>

[pid 5155] epoll\_pwait(8, <unfinished ...>

[pid 5174] <... epoll\_ctl resumed>) = 0

[pid 5173] epoll\_ctl(7, EPOLL\_CTL\_MOD, 9, {events=EPOLLIN|EPOLLOUT, data={u32=2080379952, u64=281472762123312}} <unfinished ...>

[pid 5174] epoll\_ctl(14, EPOLL\_CTL\_MOD, 13, {events=EPOLLIN, data={u32=3664149216, u64=187650785311456}} <unfinished ...>

[pid 5155] <... epoll\_pwait resumed>[{events=EPOLLOUT, data={u32=2080381392, u64=281472762124752}}, 256, 29994, NULL, 8) = 1

[pid 5174] <... epoll\_ctl resumed>) = 0

[pid 5173] <... epoll\_ctl resumed>) = 0

[pid 5174] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

```

[pid 5155] sendto(11, "\377\0\0\0\0\0\0\1\177", 10, 0, NULL, 0 <unfinished ...>

[pid 5174] <... rt_sigprocmask resumed>[], 8) = 0

[pid 5173] recvfrom(9, <unfinished ...>

[pid 5174] clone(child_stack=0xffff8400e6e0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_PARENT_SETTID
|C
LONE_CHILD_CLEAR_TID <unfinished

...> [pid 5155] <... sendto resumed>) = 10

strace: Process 5176 attached

[pid 5173] <... recvfrom resumed>"\377\0\0\0\0\0\0\1\177", 12, 0, NULL, NULL) = 10

[pid 5155] epoll_ctl(8, EPOLL_CTL_MOD, 11, {events=EPOLLIN, data={u32=2080381392, u64=281472762124752}} <unfinished ...>

[pid 5176] rseq(0xffff8400f640, 0x20, 0, 0xd428bc00 <unfinished ...>

[pid 5174] <... clone resumed>, parent_tid=[5176], tls=0xffff8400f660, child_tidptr=0xffff8400ef70) = 5176

[pid 5173] recvfrom(9, <unfinished ...>

[pid 5176] <... rseq resumed>      = 0

[pid 5174] rt_sigprocmask(SIG_SETMASK, [], <unfinished ...>

[pid 5155] <... epoll_ctl resumed>) = 0

[pid 5176] set_robust_list(0xffff8400ef80, 24 <unfinished ...>

[pid 5174] <... rt_sigprocmask resumed>NULL, 8) = 0

[pid 5173] <... recvfrom resumed>0xffff7c001c02, 2, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily unavailable)

[pid 5176] <... set_robust_list resumed>) = 0

[pid 5174] eventfd2(0, EFD_CLOEXEC <unfinished ...>

[pid 5155] epoll_pwait(8, <unfinished ...>

[pid 5176] rt_sigprocmask(SIG_SETMASK, [], <unfinished ...>

[pid 5174] <... eventfd2 resumed>) = 15

[pid 5173] getpid( <unfinished ...>

[pid 5176] <... rt_sigprocmask resumed>NULL, 8) = 0

[pid 5174] fcntl(15, F_GETFL <unfinished ...>

[pid 5176] rt_sigprocmask(SIG_BLOCK, ~[RTMIN RT_1], <unfinished

...> [pid 5173] <... getpid resumed>) = 5151

[pid 5176] <... rt_sigprocmask resumed>NULL, 8) = 0

[pid 5174] <... fcntl resumed>      = 0x2 (flags

O_RDWR) [pid 5176] sched_getparam(5176,

<unfinished

...>

[pid 5173] ppoll([{fd=6, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5176] <... sched_getparam resumed>[0]) = 0

[pid 5174] fcntl(15, F_SETFL, O_RDWR|O_NONBLOCK <unfinished ...>

[pid 5176] sched_getscheduler(5176 <unfinished ...>

[pid 5173] <... ppoll resumed>      = 0 (Timeout)

[pid 5176] <... sched_getscheduler resumed>) = 0 (SCHED_OTHER)

```



[pid 5174] <... fcntl resumed>) = 0

[pid 5176] sched\_setscheduler(5176, SCHED\_OTHER, [0] <unfinished ...>

[pid 5173] epoll\_pwait(7, <unfinished ...>

[pid 5176] <... sched\_setscheduler resumed>) =

0 [pid 5174] fcntl(15, F\_GETFL <unfinished ...>

[pid 5176] prctl(PR\_SET\_NAME, "ZMQbg/IO/0" <unfinished ...>

[pid 5173] <... epoll\_pwait resumed>[{events=EPOLLOUT, data={u32=2080379952, u64=281472762123312}}, 256, 29994, NULL, 8) = 1

[pid 5176] <... prctl resumed>) = 0

[pid 5174] <... fcntl resumed>) = 0x802 (flags

O\_RDWR|O\_NONBLOCK) [pid 5176] epoll\_pwait(14, <unfinished

...>

[pid 5173] sendto(9, "\377\0\0\0\0\0\0\1\177\3", 11, 0, NULL, 0 <unfinished ...>

[pid 5174] fcntl(15, F\_SETFL, O\_RDWR|O\_NONBLOCK <unfinished ...>

[pid 5173] <... sendto resumed>) = 11

[pid 5155] <... epoll\_pwait resumed>[{events=EPOLLIN, data={u32=2080381392, u64=281472762124752}}, 256, 29992, NULL, 8) = 1

[pid 5174] <... fcntl resumed>) = 0

[pid 5173] epoll\_ctl(7, EPOLL\_CTL\_MOD, 9, {events=EPOLLIN, data={u32=2080379952, u64=281472762123312}} <unfinished ...>

[pid 5174] getpid( <unfinished ...>

[pid 5155] recvfrom(11, <unfinished ...>

[pid 5174] <... getpid resumed>) =

5174 [pid 5173] <... epoll\_ctl resumed>)

= 0 [pid 5174] getpid( <unfinished ...>

[pid 5155] <... recvfrom resumed>"\377\0\0\0\0\0\0\1\177\3", 12, 0, NULL, NULL) =

11 [pid 5174] <... getpid resumed>) = 5174

[pid 5173] epoll\_pwait(7, <unfinished ...>

[pid 5174] ppoll([{fd=15, events=POLLIN}], 1, {tv\_sec=0, tv\_nsec=0}, NULL, 0 <unfinished ...>

[pid 5155] epoll\_ctl(8, EPOLL\_CTL\_MOD, 11, {events=EPOLLIN|EPOLLOUT, data={u32=2080381392, u64=281472762124752}} <unfinished

...> [pid 5174] <... ppoll resumed>) = 0 (Timeout)

[pid 5155] <... epoll\_ctl resumed>) = 0

[pid 5174] socket(AF\_NETLINK, SOCK\_RAW|SOCK\_CLOEXEC, NETLINK\_ROUTE <unfinished ...>

[pid 5155] recvfrom(11, <unfinished ...>

[pid 5174] <... socket resumed>) = 16

[pid 5155] <... recvfrom resumed>0xffff7c001313, 53, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily unavailable)

[pid 5174] bind(16, {sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, 12 <unfinished ...>

[pid 5155] epoll\_pwait(8, <unfinished

...> [pid 5174] <... bind resumed>) = 0

[pid 5155] <... epoll\_pwait resumed>[{events=EPOLLOUT, data={u32=2080381392, u64=281472762124752}}, 256, 29987, NULL, 8) = 1

[pid 5174] getsockname(16, <unfinished ...>

```
[pid 5173] <... recvfrom resumed>"\3\1", 2, 0, NULL, NULL) = 2
```

```
[pid 5174] <... recvmsg resumed> {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12,
msg_iov=[{iov_base=[{nlmsg_len=1432, nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222075, nlmsg_pid=5174},
{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=0x3d /* IFLA_??? */}, "\x00\x00\x00\x00"],
[{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=0x3a /* IFLA_??? */}, "\x00\x00\x01\x00"], [{nla_len=8, nla_type=0x3f /* IFLA_??? */},
"\x00\x00\x01\x00"], [{nla_len=8, nla_type=0x40 /* IFLA_??? */}, "\x00\x00\x01\x00"], [{nla_len=8, nla_type=0x3b /* IFLA_??? */}, "\xf8\xff\x07\x00"],
[{nla_len=8, nla_type=0x3c /* IFLA_??? */}, "\xff\xff\x00\x00"], [{nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], [{nla_len=5,
nla_type=IFLA_CARRIER}, 1], [{nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0],
[{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], [{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=10,
nla_type=IFLA_ADDRESS}, 00:00:00:00:00:00], [{nla_len=10, nla_type=IFLA_BROADCAST}, 00:00:00:00:00:00], [{nla_len=204,
nla_type=IFLA_STATS64}, {rx_packets=9971, tx_packets=9971, rx_bytes=18822007, tx_bytes=18822007, 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=9971, tx_packets=9971, rx_bytes=18822007, tx_bytes=18822007, 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=12, nla_type=IFLA_QDISC},
"noqueue"], [{nla_len=812, nla_type=IFLA_AF_SPEC}, [{nla_len=140, nla_type=AF_INET}, [{nla_len=136, nla_type=IFLA_INET_CONF},
[[IPV4_DEVCONF_FORWARDING-1] = 1, [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] = 0,
[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_UN SOLICITED_REPORT_INTERVAL-1] = 10000,
[IPV4_DEVCONF_IGMPV3_UN SOLICITED_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=668,
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=14484,
reachable_time=15192, retrans_time=1000}], [{nla_len=240, 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_PREFERRED_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_UN SOLICITED_REPORT_INTERVAL] = 10000,
[DEVCONF_MLDV2_UN SOLICITED_REPORT_INTERVAL] = 1000, ...]], [{nla_len=308, nla_type=IFLA_INET6_STATS}, [[IPSTATS_MIB_NUM] = 38,
[IPSTATS_MIB_INPKTS] = 0, [IPSTATS_MIB_INOCTETS] = 0, [IPSTATS_MIB_INDELIVERS] = 0, [IPSTATS_MIB_OUTFORWDATAGRAMS] = 0,
[IPSTATS_MIB_OUTPKTS] = 0, [IPSTATS_MIB_OUTOCTETS] = 0, [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_REASMFALLS] = 0,
[IPSTATS_MIB_FRAGOKS] = 0, [IPSTATS_MIB_FRAGFAILS] = 0, [IPSTATS_MIB_FRAGCREATES] = 0, [IPSTATS_MIB_INMCASTPKTS] = 0,
[IPSTATS_MIB_OUTMCASTPKTS] = 0, [IPSTATS_MIB_INBCASTPKTS] = 0, [IPSTATS_MIB_OUTBCASTPKTS] = 0,
[IPSTATS_MIB_INMCASTOCTETS] = 0, [IPSTATS_MIB_OUTMCASTOCTETS] = 0, [IPSTATS_MIB_INBCASTOCTETS] = 0,
[IPSTATS_MIB_OUTBCASTOCTETS] = 0, [IPSTATS_MIB_CSUMERRORS] = 0, ...]], [{nla_len=60, nla_type=IFLA_INET6_ICMP6STATS},
[[ICMP6_MIB_NUM] = 7, [ICMP6_MIB_INMSGs] = 0, [ICMP6_MIB_INERRORS] = 0, [ICMP6_MIB_OUTMSGs] = 0, [ICMP6_MIB_OUTERRORS] = 0,
[ICMP6_MIB_CSUMERRORS] = 0, [6 /* ICMP6_MIB_??? */] = 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]]], [{nla_len=36, nla_type=IFLA_MAP}, {mem_start=0,
mem_end=0, base_addr=0, irq=0, dma=0, port=0}], ...], [{nlmsg_len=884, nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI,
nlmsg_seq=1741222075, nlmsg_pid=5174}, {ifi_family=AF_UNSPEC, ifi_type=ARPHRD_TUNNEL, ifi_index=if_nametoindex("tunl0")},
ifi_flags=IFF_NOARP, ifi_change=0}, [{nla_len=10, nla_type=IFLA_IFNAME}, "tunl0"], [{nla_len=8, nla_type=IFLA_TXQLEN}, 1000], [{nla_len=5,
nla_type=IFLA_OPERSTATE}, 2], [{nla_len=5, nla_type=IFLA_LINKMODE}, 0], [{nla_len=8, nla_type=IFLA_MTU}, 1480], [{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=0x3d /* IFLA_??? */}, "\x00\x00\x00\x00"], [{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=0x3a /* IFLA_??? */}, "\x00\x00\x01\x00"], [{nla_len=8, nla_type=0x3f /* IFLA_??? */}, "\x00\x00\x01\x00"], [{nla_len=8,
nla_type=0x40 /* IFLA_??? */}, "\x00\x00\x01\x00"], [{nla_len=8, nla_type=0x3b /* IFLA_??? */}, "\x00\x00\x01\x00"], [{nla_len=8, nla_type=0x3c /*
IFLA_??? */}, "\xff\xff\x00\x00"], [{nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], [{nla_len=5, nla_type=IFLA_CARRIER}, 1], [{nla_len=8,
nla_type=IFLA_CARRIER_CHANGES}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0], [{nla_len=8,
nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], [{nla_len=5,
```

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nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=8, nla_type=IFLA_ADDRESS}, 00:00:00:00], [{nla_len=8, nla_type=IFLA_BROADCAST}, 00:00:00:00],  
[{nla_len=204, nla_type=IFLA_STATS64}, {rx_packets=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=116, nla_type=IFLA_LINKINFO}, [{nla_len=9, nla_type=IFLA_INFO_KIND}, "ipip"], [{nla_len=100, nla_type=IFLA_INFO_DATA}, "\x08\x00\x01\x00\x00\x00\x00\x00\x08\x00\x02\x00\x00\x00\x00\x00\x08\x00\x03\x00\x00\x00\x00\x00\x05\x00\x04\x00\x00\x00\x00\x00"...]], [{nla_len=8, nla_type=IFLA_LINK}, 0], [{nla_len=9, nla_type=IFLA_QDISC}, "noop", ...]], [{nlmsg_len=912, nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222075, nlmsg_pid=5174}, {ifi_family=AF_UNSPEC, ifi_type=ARPHRD_IPGRE, ifi_index=if_nametoindex("gre0"), ifi_flags=IFF_NOARP, ifi_change=0}, [{nla_len=9, nla_type=IFLA_IFNAME}, "gre0"], [{nla_len=8, nla_type=IFLA_TXQLEN}, 1000], [{nla_len=5, nla_type=IFLA_OPERSTATE}, 2], [{nla_len=5, nla_type=IFLA_LINKMODE}, 0], [{nla_len=8, nla_type=IFLA_MTU}, 1476], [{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=0x3d /* IFLA_??? */}, "\x00\x00\x00\x00"], [{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=0x3a /* IFLA_??? */}, "\x00\x00\x01\x00"], [{nla_len=8, nla_type=0x3f /* IFLA_??? */}, "\x00\x00\x01\x00"], [{nla_len=8, nla_type=0x40 /* IFLA_??? */}, "\x00\x00\x01\x00"], [{nla_len=8, nla_type=0x3b /* IFLA_??? */}, "\x00\x00\x01\x00"], [{nla_len=8, nla_type=0x3c /* IFLA_??? */}, "\xff\xff\x00\x00"], [{nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], [{nla_len=5, nla_type=IFLA_CARRIER}, 1], [{nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], [{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=8, nla_type=IFLA_ADDRESS}, 00:00:00:00], [{nla_len=8, nla_type=IFLA_BROADCAST}, 00:00:00:00], [{nla_len=204, nla_type=IFLA_STATS64}, {rx_packets=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=144, nla_type=IFLA_LINKINFO}, [{nla_len=8, nla_type=IFLA_INFO_KIND}, "gre"], [{nla_len=132, nla_type=IFLA_INFO_DATA}, "\x08\x00\x01\x00\x00\x00\x00\x00\x06\x00\x02\x00\x00\x00\x00\x00\x06\x00\x03\x00\x00\x00\x00\x00\x08\x00\x04\x00\x00\x00\x00\x00"...]], [{nla_len=8, nla_type=IFLA_LINK}, 0], [{nla_len=9, nla_type=IFLA_QDISC}, "noop", ...]], iov_len=4096}, {msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 3228
```

```
[pid 5155] <... epoll_ctl resumed> = 0
```

```
[pid 5174] recvmsg(16, <unfinished ...>
```

```
[pid 5173] epoll_ctl(7, EPOLL_CTL_MOD, 9, {events=EPOLLIN|EPOLLOUT, data={u32=2080379952, u64=281472762123312}} <unfinished ...>
```

```
[pid 5174] <... recvmsg resumed> {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12,
msg_iov=[{iov_base=[{nlmsg_len=1592, nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222075, nlmsg_pid=5174},
{ifi_family=AF_UNSPEC, ifi_type=ARPHRD_ETHER, ifi_index=if_nametoindex("gretap0"), ifi_flags=IFF_BROADCAST|IFF_MULTICAST, ifi_change=0},
[{nla_len=12, nla_type=IFLA_IFNAME}, {"gretap0"}, {nla_len=8, nla_type=IFLA_TXQLEN}, 1000], [{nla_len=5, nla_type=IFLA_OPERSTATE}, 2],
{nla_len=5, nla_type=IFLA_LINKMODE}, 0], [{nla_len=8, nla_type=IFLA_MTU}, 1462], [{nla_len=8, nla_type=IFLA_MIN_MTU}, 68], [{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=0x3d
/* IFLA_??? */, "\x00\x00\x00\x00"}, {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=0x3a /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3f /*
IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x40 /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3b /* IFLA_??? */,
"\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3c /* IFLA_??? */, "\xff\xff\x00\x00"}, {nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], {nla_len=5,
nla_type=IFLA_CARRIER}, 1], {nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0], {nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0],
{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], {nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0], {nla_len=10,
nla_type=IFLA_ADDRESS}, 00:00:00:00:00:00], {nla_len=10, nla_type=IFLA_BROADCAST}, ff:ff:ff:ff:ff:ff}, {nla_len=204, nla_type=IFLA_STATS64},
{rx_packets=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=0,
tx_packets=0, rx_bytes=0, tx_bytes=0, 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=148, nla_type=IFLA_LINKINFO}, [{nla_len=11,
nla_type=IFLA_INFO_KIND}, {"gretap"}, {nla_len=132, nla_type=IFLA_INFO_DATA},
"\x08\x00\x01\x00\x00\x00\x00\x02\x00\x00\x00\x06\x00\x00\x03\x00\x00\x00\x08\x00\x04\x00\x00\x00\x00\x00"...]], {nla_len=8,
nla_type=IFLA_LINK}, 0], {nla_len=9, nla_type=IFLA_QDISC}, {"noop"}, ...]], {nlmsg_len=1608, nlmsg_type=RTM_NEWLINK,
nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222075, nlmsg_pid=5174}, {ifi_family=AF_UNSPEC, ifi_type=ARPHRD_ETHER,
ifi_index=if_nametoindex("erspan0"), ifi_flags=IFF_BROADCAST|IFF_MULTICAST, ifi_change=0}, [{nla_len=12, nla_type=IFLA_IFNAME}, {"erspan0"},
{nla_len=8, nla_type=IFLA_TXQLEN}, 1000], {nla_len=5, nla_type=IFLA_OPERSTATE}, 2], {nla_len=5, nla_type=IFLA_LINKMODE}, 0], {nla_len=8,
nla_type=IFLA_MTU}, 1450], {nla_len=8, nla_type=IFLA_MIN_MTU}, 68], {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=0x3d /* IFLA_??? */, "\x00\x00\x00\x00"},
{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=0x3a /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3f /* IFLA_??? */,
"\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x40 /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3b /* IFLA_??? */, "\x00\x00\x01\x00"},
{nla_len=8, nla_type=0x3c /* IFLA_??? */, "\xff\xff\x00\x00"}, {nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], {nla_len=5,
nla_type=IFLA_CARRIER}, 1], {nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0], {nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0],
{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], {nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0], {nla_len=10,
nla_type=IFLA_ADDRESS}, 00:00:00:00:00:00], {nla_len=10, nla_type=IFLA_BROADCAST}, ff:ff:ff:ff:ff:ff}, {nla_len=204, nla_type=IFLA_STATS64},
{rx_packets=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=0,
tx_packets=0, rx_bytes=0, tx_bytes=0, 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=164, nla_type=IFLA_LINKINFO}, [{nla_len=11, nla_type=IFLA_INFO_KIND},
{"erspan"}, {nla_len=148, nla_type=IFLA_INFO_DATA},
"\x05\x00\x16\x00\x01\x00\x00\x00\x08\x00\x15\x00\x00\x00\x00\x00\x08\x00\x01\x00\x00\x00\x00\x00\x06\x00\x02\x00\x00\x00\x00\x00"...]], {nla_len=8,
nla_type=IFLA_LINK}, 0], {nla_len=9, nla_type=IFLA_QDISC}, {"noop"}, ...]], {nlmsg_len=832, nlmsg_type=RTM_NEWLINK,
nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222075, nlmsg_pid=5174}, {ifi_family=AF_UNSPEC, ifi_type=ARPHRD_TUNNEL,
ifi_index=if_nametoindex("ip_vti0"), ifi_flags=IFF_NOARP, ifi_change=0}, [{nla_len=12, nla_type=IFLA_IFNAME}, {"ip_vti0"}, {nla_len=8,
nla_type=IFLA_TXQLEN}, 1000], {nla_len=5, nla_type=IFLA_OPERSTATE}, 2], {nla_len=5, nla_type=IFLA_LINKMODE}, 0], {nla_len=8,
nla_type=IFLA_MTU}, 1480], {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=0x3d /* IFLA_??? */, "\x00\x00\x00\x00"},
{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=0x3a /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3f /* IFLA_??? */,
"\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x40 /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3b /* IFLA_??? */, "\x00\x00\x01\x00"},
{nla_len=8, nla_type=0x3c /* IFLA_??? */, "\xff\xff\x00\x00"}, {nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], {nla_len=5,
nla_type=IFLA_CARRIER}, 1], {nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0], {nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0],
{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], {nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0], {nla_len=8, nla_type=IFLA_ADDRESS},
00:00:00:00:00:00], {nla_len=8, nla_type=IFLA_BROADCAST}, 00:00:00:00:00:00], {nla_len=204, nla_type=IFLA_STATS64}, {rx_packets=0, tx_packets=0, rx_bytes=0,
tx_bytes=0, 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=0, tx_packets=0,
rx_bytes=0, tx_bytes=0, 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=64, nla_type=IFLA_LINKINFO}, [{nla_len=8, nla_type=IFLA_INFO_KIND},
{"vti"}, {nla_len=52, nla_type=IFLA_INFO_DATA},
"\x08\x00\x01\x00\x00\x00\x00\x08\x00\x02\x00\x00\x00\x00\x00\x08\x00\x03\x00\x00\x00\x00\x08\x00\x04\x00\x00\x00\x00\x00"...]], {nla_len=8,
nla_type=IFLA_LINK}, 0], {nla_len=9, nla_type=IFLA_QDISC}, {"noop"}, ...]], iov_len=4096}, msg_iovlen=1, msg_controllen=0, msg_flags=0, 0) = 4032
```

```
[pid 5155] epoll_pwait(8, <unfinished ...>
```

```
[pid 5174] recvmsg(16, <unfinished ...>
```

```
[pid 5173] <... epoll_ctl resumed>) = 0
```

```
[pid 5174] <... recvmsg resumed> {msg_name={sa_family=AF_INET, nl_pid=0, nl_groups=00000000}, msg_namelen=12,
msg_iov=[{iov_base=[{nlmsg_len=1576, nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222075, nlmsg_pid=5174},
{ifi_family=AF_UNSPEC, ifi_type=ARPHRD_TUNNEL6, ifi_index=if_nametoindex("ip6_vti0"), ifi_flags=IFF_NOARP, ifi_change=0}, [{nla_len=13,
nla_type=IFLA_IFNAME}, {"ip6_vti0"}, {nla_len=8, nla_type=IFLA_TXQLEN}, 1000], {nla_len=5, nla_type=IFLA_OPERSTATE}, 2], {nla_len=5,
nla_type=IFLA_LINKMODE}, 0], {nla_len=8, nla_type=IFLA_MTU}, 1428], {nla_len=8, nla_type=IFLA_MIN_MTU}, 68], {nla_len=8,
nla_type=IFLA_MAX_MTU}, 65495], {nla_len=8, nla_type=IFLA_GROUP}, 0], {nla_len=8, nla_type=IFLA_PROMISCUITY}, 0], {nla_len=8,
nla_type=0x3d /* IFLA_??? */, "\x00\x00\x00\x00"}, {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=0x3a /* IFLA_??? */,
"\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3f /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x40 /* IFLA_??? */, "\x00\x00\x01\x00"},
{[nla_len=8, nla_type=0x3b /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3c /* IFLA_??? */, "\xff\xff\x00\x00"}, {nla_len=8,
nla_type=IFLA_NUM_RX_QUEUES}, 1], {nla_len=5, nla_type=IFLA_CARRIER}, 1], {nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0],
{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0], {nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], {nla_len=5,
nla_type=IFLA_PROTO_DOWN}, 0], {nla_len=20, nla_type=IFLA_ADDRESS}, 00:00:00:00:00:00:00], {nla_len=20, nla_type=IFLA_BROADCAST},
00:00:00:00:00:00:00], {nla_len=204,
nla_type=IFLA_STATS64}, {rx_packets=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=92, nla_type=IFLA_LINKINFO},
[[{nla_len=9, nla_type=IFLA_INFO_KIND}, "vti6"], {nla_len=76, nla_type=IFLA_INFO_DATA},
"\x08\x00\x01\x00\x00\x00\x00\x00\x00\x14\x00\x04\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x14\x00\x05\x00"...]],
{nla_len=20, nla_type=IFLA_PERM_ADDRESS}, 1a:8b:b1:5c:4b:8d:00], {nla_len=8, nla_type=IFLA_LINK}, 0], ...]], {nlmsg_len=1600,
nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222075, nlmsg_pid=5174}, {ifi_family=AF_UNSPEC,
ifi_type=ARPHRD_SIT, ifi_index=if_nametoindex("sit0"), ifi_flags=IFF_NOARP, ifi_change=0}, [{nla_len=9, nla_type=IFLA_IFNAME}, "sit0"],
{nla_len=8, nla_type=IFLA_TXQLEN}, 1000], {nla_len=5, nla_type=IFLA_OPERSTATE}, 2], {nla_len=5, nla_type=IFLA_LINKMODE}, 0], {nla_len=8,
nla_type=IFLA_MTU}, 1480], {nla_len=8, nla_type=IFLA_MIN_MTU}, 1280], {nla_len=8, nla_type=IFLA_MAX_MTU}, 65555], {nla_len=8,
nla_type=IFLA_GROUP}, 0], {nla_len=8, nla_type=IFLA_PROMISCUITY}, 0], {nla_len=8, nla_type=0x3d /* IFLA_??? */, "\x00\x00\x00\x00"},
{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=0x3a /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3f /* IFLA_??? */,
"\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x40 /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3b /* IFLA_??? */, "\x00\x00\x01\x00"},
{nla_len=8, nla_type=0x3c /* IFLA_??? */, "\xff\xff\x00\x00"}, {nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], {nla_len=5,
nla_type=IFLA_CARRIER}, 1], {nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0], {nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0],
{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], {nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0], {nla_len=8,
nla_type=IFLA_ADDRESS},
00:00:00:00:00], {nla_len=8, nla_type=IFLA_BROADCAST}, 00:00:00:00], {nla_len=204, nla_type=IFLA_STATS64}, {rx_packets=0, tx_packets=0, rx_bytes=0,
tx_bytes=0, 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=0, tx_packets=0,
rx_bytes=0, tx_bytes=0, 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=164, nla_type=IFLA_LINKINFO}, [{nla_len=8, nla_type=IFLA_INFO_KIND},
"sit"], {nla_len=152, nla_type=IFLA_INFO_DATA},
"\x08\x00\x01\x00\x00\x00\x00\x00\x00\x08\x00\x02\x00\x00\x00\x00\x00\x00\x00\x08\x00\x03\x00\x00\x00\x00\x00\x05\x00\x04\x00\x40\x00\x00\x00"...]], {nla_len=8,
nla_type=IFLA_LINK}, 0], {nla_len=9, nla_type=IFLA_QDISC}, "noop", ...]], iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 3176
```

```
[pid 5174] <... recvmsg resumed> {msg_name={sa_family=AF_INETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12,
msg_iov=[{iov_base=[{nlmsg_len=1628, nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222075, nlmsg_pid=5174},
{ifi_family=AF_UNSPEC, ifi_type=ARPHRD_TUNNEL6, ifi_index=if_nametoindex("ip6tnl0"), ifi_flags=IFF_NOARP, ifi_change=0}, [{nla_len=12,
nla_type=IFLA_IFNAME}, {"ip6tnl0"}, {nla_len=8, nla_type=IFLA_TXQLEN}, {1000}, {nla_len=5, nla_type=IFLA_OPERSTATE}, {2}, {nla_len=5,
nla_type=IFLA_LINKMODE}, {0}, {nla_len=8, nla_type=IFLA_MTU}, {1452}, {nla_len=8, nla_type=IFLA_MIN_MTU}, {68}, {nla_len=8,
nla_type=IFLA_MAX_MTU}, {65535}, {nla_len=8, nla_type=IFLA_GROUP}, {0}, {nla_len=8, nla_type=IFLA_PROMISCUITY}, {0}, {nla_len=8,
nla_type=0x3d /* IFLA_??? */, "\x00\x00\x00\x00"}, {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=0x3a /* IFLA_??? */,
"\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3f /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x40 /* IFLA_??? */, "\x00\x00\x01\x00"},
{nla_len=8, nla_type=0x3b /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3c /* IFLA_??? */, "\xff\xff\x00\x00"}, {nla_len=8,
nla_type=IFLA_NUM_RX_QUEUES}, {1}, {nla_len=5, nla_type=IFLA_CARRIER}, {1}, {nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, {0},
{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, {0}, {nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, {0}, {nla_len=5,
nla_type=IFLA_PROTO_DOWN}, {0}, {nla_len=20, nla_type=IFLA_ADDRESS}, {00:00:00:00:00:00:00}, {nla_len=20, nla_type=IFLA_BROADCAST},
{00:00:00:00:00:00:00}, {nla_len=204,
nla_type=IFLA_STATS64}, {rx_packets=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=148, nla_type=IFLA_LINKINFO},
[{nla_len=11, nla_type=IFLA_INFO_KIND}, {"ip6tnl"}, {nla_len=132, nla_type=IFLA_INFO_DATA},
{"\x08\x00\x01\x00\x00\x00\x00\x00\x14\x00\x02\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x14\x00\x03\x00"...}],
{nla_len=20, nla_type=IFLA_PERM_ADDRESS}, {72:6a:24:6b:84:c5:00}, {nla_len=8, nla_type=IFLA_LINK}, {0}, ...], {nlmsg_len=1652,
nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222075, nlmsg_pid=5174}, {ifi_family=AF_UNSPEC,
ifi_type=ARPHRD_IP6GRE, ifi_index=if_nametoindex("ip6gre0"), ifi_flags=IFF_NOARP, ifi_change=0}, [{nla_len=12, nla_type=IFLA_IFNAME},
{"ip6gre0"}, {nla_len=8, nla_type=IFLA_TXQLEN}, {1000}, {nla_len=5, nla_type=IFLA_OPERSTATE}, {2}, {nla_len=5, nla_type=IFLA_LINKMODE}, {0},
{nla_len=8, nla_type=IFLA_MTU}, {1448}, {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=0x3d /* IFLA_??? */, "\x00\x00\x00\x00"},
{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=0x3a /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3f /* IFLA_???
*/, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x40 /* IFLA_??? */, "\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3b /* IFLA_??? */,
"\x00\x00\x01\x00"}, {nla_len=8, nla_type=0x3c /* IFLA_??? */, "\xff\xff\x00\x00"}, {nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, {1}, {nla_len=5,
nla_type=IFLA_CARRIER}, {1}, {nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, {0}, {nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, {0},
{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, {0}, {nla_len=5, nla_type=IFLA_PROTO_DOWN}, {0}, {nla_len=20,
nla_type=IFLA_ADDRESS}, {00:00:00:00:00:00:00}, {nla_len=20, nla_type=IFLA_BROADCAST}, {00:00:00:00:00:00:00}, {nla_len=204,
nla_type=IFLA_STATS64}, {rx_packets=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=0, tx_packets=0, rx_bytes=0, tx_bytes=0, 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=172, nla_type=IFLA_LINKINFO},
[{nla_len=11, nla_type=IFLA_INFO_KIND}, {"ip6gre"}, {nla_len=156, nla_type=IFLA_INFO_DATA},
{"\x08\x00\x01\x00\x00\x00\x00\x00\x06\x00\x02\x00\x00\x00\x00\x00\x00\x00\x06\x00\x03\x00\x00\x00\x00\x00\x00\x00\x08\x00\x04\x00\x00\x00\x00\x00"...}],
{nla_len=20, nla_type=IFLA_PERM_ADDRESS}, {06:d1:90:f8:48:fb:00}, {nla_len=8, nla_type=IFLA_LINK}, {0}, ...], iov_len=4096}, msg_iovlen=1,
msg_controllen=0, msg_flags=0}, 0) = 3280
```



[illegible]

```

[pid 5174] <... recvmsg resumed>{msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12,
msg_iov=[{iov_base=[{nlmsg_len=20, nlmsg_type=NLMMSG_DONE, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1741222076, nlmsg_pid=5174}, 0],
iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 20

[pid 5173] sendto(9, "\4&\5READY\vSocket-Type\0\0\03REQ\10Iden"..., 40, 0, NULL, 0 <unfinished ...>

[pid 5174] close(16 <unfinished ...>

[pid 5155] epoll_ctl(8, EPOLL_CTL_MOD, 11, {events=EPOLLIN|EPOLLOUT, data={u32=2080381392, u64=281472762124752}} <unfinished
...> [pid 5174] <... close resumed>) = 0

[pid 5173] <... sendto resumed>) = 40

[pid 5174] socket(AF_INET, SOCK_STREAM|SOCK_CLOEXEC, IPPROTO_TCP <unfinished
...> [pid 5155] <... epoll_ctl resumed>) = 0

[pid 5174] <... socket resumed>) =

16 [pid 5173] epoll_pwait(7, <unfinished
...>

[pid 5174] setsockopt(16, SOL_SOCKET, SO_REUSEADDR, [1], 4 <unfinished ...>

[pid 5155] recvfrom(11, <unfinished ...>

[pid 5174] <... setsockopt resumed>) = 0

[pid 5173] <... epoll_pwait resumed>[{events=EPOLLOUT, data={u32=2080379952, u64=281472762123312}}, 256, 29984, NULL, 8) = 1

[pid 5174] bind(16, {sa_family=AF_INET, sin_port=htons(5552), sin_addr=inet_addr("127.0.0.1")}, 16 <unfinished
...> [pid 5155] <... recvfrom resumed>"\4&\5READY\vSocket-Type\0\0\03REQ\10Iden"..., 8192, 0, NULL, NULL) =

40 [pid 5174] <... bind resumed>) = 0

[pid 5173] epoll_ctl(7, EPOLL_CTL_MOD, 9, {events=EPOLLIN, data={u32=2080379952, u64=281472762123312}} <unfinished ...>

[pid 5174] listen(16, 100 <unfinished ...>

[pid 5155] epoll_pwait(8, <unfinished
...> [pid 5174] <... listen resumed>) = 0

[pid 5173] <... epoll_ctl resumed>) = 0

[pid 5174] getsockname(16, <unfinished ...>

[pid 5155] <... epoll_pwait resumed>[{events=EPOLLOUT, data={u32=2080381392, u64=281472762124752}}, 256, 29979, NULL, 8) = 1

[pid 5174] <... getsockname resumed>{sa_family=AF_INET, sin_port=htons(5552), sin_addr=inet_addr("127.0.0.1")}, [128 => 16]) = 0

[pid 5173] epoll_pwait(7, <unfinished ...>

[pid 5174] getsockname(16, <unfinished ...>

[pid 5155] getpid( <unfinished ...>

[pid 5174] <... getsockname resumed>{sa_family=AF_INET, sin_port=htons(5552), sin_addr=inet_addr("127.0.0.1")}, [128 => 16]) =

0 [pid 5155] <... getpid resumed>) = 5153

[pid 5174] getpid( <unfinished ...>

[pid 5155] write(9, "\1\0\0\0\0\0\0\0", 8 <unfinished
...> [pid 5174] <... getpid resumed>) = 5174

[pid 5155] <... write resumed>) = 8

[pid 5153] <... ppoll resumed>) = 1 ({fd=9,
revents=POLLIN}) [pid 5174] write(13, "\1\0\0\0\0\0\0\0",

8
<unfinished ...>

```

```

[pid 5155] futex(0xffff846277a4, FUTEX_WAKE_PRIVATE, 2147483647 <unfinished
...> [pid 5153] getpid( <unfinished ...>

[pid 5176] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=3664149216, u64=187650785311456}}], 256, -1, NULL, 8) =
1 [pid 5174] <... write resumed>)    = 8

[pid 5155] <... futex resumed>)
= 0 [pid 5176] getpid( <unfinished
...> [pid 5174] getpid( <unfinished
...>

[pid 5153] <... getpid resumed>) = 5153
[pid 5176] <... getpid resumed>) = 5174

[pid 5174] <... getpid resumed>) = 5174
[pid 5155] futex(0xffff846277b0, FUTEX_WAKE_PRIVATE, 2147483647 <unfinished ...>
[pid 5176] ppoll([{fd=13, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5174] write(15, "\1\0\0\0\0\0\0", 8 <unfinished ...>
[pid 5153] read(9, <unfinished ...>

[pid 5176] <... ppoll resumed>)      = 1 ([{fd=13, revents=POLLIN}], left
{tv_sec=0, tv_nsec=0}) [pid 5174] <... write resumed>) = 8

[pid 5155] <... futex resumed>)
= 0 [pid 5176] getpid( <unfinished
...>

[pid 5174] write(1, "Compute Node 2 started, listenin"..., 58 <unfinished
...> [pid 5153] <... read resumed>"\1\0\0\0\0\0\0", 8) = 8

[pid 5176] <... getpid resumed>)      =
5174 [pid 5174] <... write resumed>) =
58

[pid 5155] sendto(11, "\4\3\1\5READY\Socket-Type\0\0\0\03REP", 27, 0, NULL, 0 <unfinished ...>
[pid 5176] read(13, <unfinished ...>

[pid 5174] getpid( <unfinished ...>
[pid 5153] getpid( <unfinished ...>

[pid 5176] <... read resumed>"\1\0\0\0\0\0\0", 8) =
8 [pid 5174] <... getpid resumed>)    = 5174

[pid 5173] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=2080379952, u64=281472762123312}}], 256, 29983, NULL, 8) = 1
[pid 5155] <... sendto resumed>) = 27

[pid 5176] epoll_ctl(14, EPOLL_CTL_ADD, 16, {events=0, data={u32=2080380736, u64=281472762124096}} <unfinished ...>

[pid 5174] ppoll([{fd=15, events=POLLIN}], 1, NULL, NULL, 0 <unfinished ...>

[pid 5173] recvfrom(9, <unfinished ...>

[pid 5153] <... getpid resumed>)      =
5153 [pid 5176] <... epoll_ctl resumed>) =
0

```

[pid 5174] <... ppoll resumed> = 1 ([{fd=15, revents=POLLIN}])

[pid 5173] <... recvfrom resumed>"4\31\5READY\vSocket-Type\0\0\3REP", 8192, 0, NULL, NULL) = 27

```

[pid 5155] epoll_pwait(8, <unfinished ...>

[pid 5176] epoll_ctl(14, EPOLL_CTL_MOD, 16, {events=EPOLLIN, data={u32=2080380736, u64=281472762124096}} <unfinished
...> [pid 5174] getpid( <unfinished ...>

[pid 5173] epoll_ctl(7, EPOLL_CTL_MOD, 9, {events=EPOLLIN|EPOLLOUT, data={u32=2080379952, u64=281472762123312}} <unfinished ...>

[pid 5153] write(7, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>

[pid 5176] <... epoll_ctl resumed>) = 0

[pid 5174] <... getpid resumed>) =

5174 [pid 5173] <... epoll_ctl resumed>) =

0

[pid 5155] <... epoll_pwait resumed>[{events=EPOLLOUT, data={u32=2080381392, u64=281472762124752}}, 256, -1, NULL, 8) = 1

[pid 5176] getpid( <unfinished ...>

[pid 5174] read(15, <unfinished ...>

[pid 5173] getpid( <unfinished ...>

[pid 5153] <... write resumed>) =

8 [pid 5176] <... getpid resumed>) =

5174

[pid 5174] <... read resumed>"\1\0\0\0\0\0\0\0", 8) =

8 [pid 5173] <... getpid resumed>) = 5151

[pid 5155] epoll_ctl(8, EPOLL_CTL_MOD, 11, {events=EPOLLIN, data={u32=2080381392, u64=281472762124752}} <unfinished ...>

[pid 5176] ppoll([{fd=13, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5174] getpid( <unfinished ...>

[pid 5173] write(8, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>

[pid 5153] getpid( <unfinished ...>

[pid 5176] <... ppoll resumed>) = 0

(Timeout) [pid 5174] <... getpid
resumed>)

= 5174

[pid 5173] <... write resumed>) = 8

[pid 5155] <... epoll_ctl resumed>) = 0

[pid 5176] epoll_pwait(14, <unfinished ...>

[pid 5174] ppoll([{fd=15, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5173] sendto(9, "\1\0\0\5ping\0", 9, 0, NULL, 0 <unfinished ...>

[pid 5153] <... getpid resumed>) = 5153

[pid 5174] <... ppoll resumed>) = 0

(Timeout) [pid 5173] <... sendto
resumed>)

= 9

[pid 5155] epoll_pwait(8, <unfinished ...>

[pid 5174] getpid( <unfinished ...>

```

[pid 5173] epoll\_pwait(7, <unfinished ...>

[pid 5153] ppoll([{fd=9, events=POLLIN}], 1, {tv\_sec=0, tv\_nsec=0}, NULL, 0 <unfinished ...>

[pid 5174] <... getpid resumed> = 5174

[pid 5173] <... epoll\_pwait resumed>[{events=EPOLLOUT, data={u32=2080379952, u64=281472762123312}}, 256, -1, NULL, 8) = 1

```

[pid 5155] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=2080381392, u64=281472762124752}}, {events=EPOLLIN, data={u32=3664093488,
u64=187650785255728}}], 256, -1, NULL, 8) = 2

[pid 5174] ppoll([{fd=15, events=POLLIN}], 1, NULL, NULL, 0 <unfinished ...>

[pid 5173] epoll_ctl(7, EPOLL_CTL_MOD, 9, {events=EPOLLIN, data={u32=2080379952, u64=281472762123312}} <unfinished
...> [pid 5153] <... ppoll resumed>) = 0 (Timeout)

[pid 5173] <... epoll_ctl resumed>) = 0

[pid 5155] recvfrom(11, <unfinished ...>

[pid 5173] epoll_pwait(7, <unfinished
...> [pid 5153] getpid( <unfinished ...>

[pid 5155] <... recvfrom resumed>"\1\0\0\5ping\0", 8192, 0, NULL, NULL) =
9 [pid 5153] <... getpid resumed>) = 5153

[pid 5155] getpid( <unfinished ...>

[pid 5153] ppoll([{fd=9, events=POLLIN}], 1, NULL, NULL, 0 <unfinished
...> [pid 5155] <... getpid resumed>) = 5153

[pid 5155] write(9, "\1\0\0\0\0\0\0\0", 8) = 8

[pid 5153] <... ppoll resumed>) = 1 ([{fd=9,
revents=POLLIN}]) [pid 5155] getpid( <unfinished
...> [pid 5153] getpid( <unfinished ...>

[pid 5155] <... getpid resumed>)
= 5153 [pid 5153] <... getpid
resumed>)

=

5153

[pid 5155] ppoll([{fd=7, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5153] read(9, <unfinished ...>

[pid 5155] <... ppoll resumed>) = 1 ([{fd=7, revents=POLLIN}], left
{tv_sec=0, tv_nsec=0}) [pid 5153] <... read resumed>"\1\0\0\0\0\0\0\0", 8) = 8

[pid 5155] getpid( <unfinished ...>

[pid 5153] getpid( <unfinished ...>

[pid 5155] <... getpid resumed>) = 5153

[pid 5153] <... getpid resumed>) = 5153

[pid 5155] read(7, <unfinished ...>

[pid 5153] ppoll([{fd=9, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5155] <... read resumed>"\1\0\0\0\0\0\0\0", 8) = 8

[pid 5153] <... ppoll resumed>) = 0

(Timeout) [pid 5155] getpid( <unfinished
...> [pid 5153] getpid( <unfinished ...>

[pid 5155] <... getpid resumed>)
= 5153 [pid 5153] <... getpid
resumed>)

```





5153

[pid 5155] ppoll([{fd=7, events=POLLIN}], 1, {tv\_sec=0, tv\_nsec=0}, NULL, 0 <unfinished ...>

[pid 5153] write(7, "\1\0\0\0\0\0\0\0", 8 <unfinished ...>

```

[pid 5155] <... ppoll resumed>      = 0

(Timeout) [pid 5153] <... write resumed> = 8

[pid 5155] epoll_pwait(8, <unfinished ...>

[pid 5153] getpid( <unfinished ...>

[pid 5155] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=3664093488, u64=187650785255728}}], 256, -1, NULL, 8) =

1 [pid 5153] <... getpid resumed>)   = 5153

[pid 5155] getpid( <unfinished ...>

[pid 5153] ppoll([{fd=9, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished

...> [pid 5155] <... getpid resumed>) = 5153

[pid 5153] <... ppoll resumed>      = 0 (Timeout)

[pid 5155] ppoll([{fd=7, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5153] getpid( <unfinished ...>

[pid 5155] <... ppoll resumed>      = 1 ([{fd=7, revents=POLLIN}], left

{tv_sec=0, tv_nsec=0}) [pid 5153] <... getpid resumed>      = 5153

[pid 5155] getpid( <unfinished ...>

[pid 5153] ppoll([{fd=9, events=POLLIN}], 1, NULL, NULL, 0 <unfinished

...> [pid 5155] <... getpid resumed>) = 5153

[pid 5155] read(7, "\1\0\0\0\0\0\0", 8) = 8

[pid 5155] epoll_ctl(8, EPOLL_CTL_MOD, 11, {events=EPOLLIN|EPOLLOUT, data={u32=2080381392, u64=281472762124752}}) = 0

[pid 5155] getpid()                = 5153

[pid 5155] write(9, "\1\0\0\0\0\0\0", 8) = 8

[pid 5153] <... ppoll resumed>) = 1 ([{fd=9, revents=POLLIN}]) [pid

5155] sendto(11, "\1\0\0\5pong\0", 9, 0, NULL, 0 <unfinished ...>

[pid 5153] getpid( <unfinished ...>

[pid 5173] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=2080379952, u64=281472762123312}}], 256, -1, NULL, 8) =

1 [pid 5155] <... sendto resumed>)   = 9

[pid 5173] recvfrom(9, <unfinished ...>

[pid 5153] <... getpid resumed>      =

5153

[pid 5173] <... recvfrom resumed>"\1\0\0\5pong\0", 8192, 0, NULL, NULL) =

9 [pid 5155] getpid( <unfinished ...>

[pid 5173] epoll_pwait(7, <unfinished ...>

[pid 5153] read(9, <unfinished ...>

[pid 5155] <... getpid resumed>      = 5153

[pid 5153] <... read resumed>"\1\0\0\0\0\0\0", 8) = 8

[pid 5155] ppoll([{fd=7, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5153] getpid( <unfinished ...>

[pid 5155] <... ppoll resumed>      = 0 (Timeout)

```

```

[pid 5153] <... getpid resumed>      =

5153 [pid 5155] epoll_pwait(8,

<unfinished

...>

[pid 5153] ppoll([{fd=9, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5155] <... epoll_pwait resumed>[{events=EPOLLOUT, data={u32=2080381392, u64=281472762124752}}, 256, -1, NULL, 8) =

1 [pid 5153] <... ppoll resumed>      = 0 (Timeout)

[pid 5155] epoll_ctl(8, EPOLL_CTL_MOD, 11, {events=EPOLLIN, data={u32=2080381392, u64=281472762124752}} <unfinished ...>

[pid 5153] getpid( <unfinished ...>

[pid 5155] <... epoll_ctl resumed>) = 0

[pid 5153] <... getpid resumed>      =

5153 [pid 5155] epoll_pwait(8,

<unfinished

...>

[pid 5153] ppoll([{fd=9, events=POLLIN}], 1, NULL, NULL, 0 <unfinished ...>

[pid 5151] <... clock_nanosleep resumed>0xffffe4f67958) = 0

[pid 5151] eventfd2(0, EFD_CLOEXEC) = 10

[pid 5151] fcntl(10, F_GETFL)        = 0x2 (flags O_RDWR)

[pid 5151] fcntl(10, F_SETFL, O_RDWR|O_NONBLOCK) =

0

[pid 5151] fcntl(10, F_GETFL)        = 0x802 (flags

O_RDWR|O_NONBLOCK) [pid 5151] fcntl(10,

F_SETFL,

O_RDWR|O_NONBLOCK) = 0

[pid 5151] getpid()                  = 5151

[pid 5151] getpid()                  = 5151

[pid 5151] ppoll([{fd=10, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0) = 0 (Timeout)

[pid 5151] getpid()                  = 5151

[pid 5151] write(6, "\1\0\0\0\0\0\0", 8) = 8

[pid 5173] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=3664090192, u64=187650785252432}}, 256, -1, NULL, 8) =

1 [pid 5151] getpid( <unfinished ...>

[pid 5173] getpid( <unfinished ...>

[pid 5151] <... getpid resumed>)

= 5151 [pid 5173] <... getpid

resumed>)

=

5151

[pid 5151] write(10, "\1\0\0\0\0\0\0", 8 <unfinished ...>

[pid 5173] ppoll([{fd=6, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished

...> [pid 5151] <... write resumed>) = 8

```

```
[pid 5173] <... ppoll resumed>      = 1 ([ {fd=6, revents=POLLIN}], left
{tv_sec=0, tv_nsec=0}) [pid 5151] write(1, "Ok: 5174\n", 9 <unfinished ...>
[pid 5173] getpid( <unfinished ...>
[pid 5151] <... write resumed>      = 9
```

[pid 5173] <... getpid resumed>      =

5151 [pid 5151] getpid( <unfinished

...> [pid 5173] read(6, <unfinished ...>

```

[pid 5151] <... getpid resumed>    = 5151

[pid 5173] <... read resumed>"\\1\\0\\0\\0\\0\\0\\0", 8) = 8

[pid 5151] ppoll([{fd=8, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5173] socket(AF_INET, SOCK_STREAM|SOCK_CLOEXEC, IPPROTO_TCP <unfinished
...> [pid 5151] <... ppoll resumed>) = 1 ([{fd=8, revents=POLLIN}], left {tv_sec=0, tv_nsec=0})

[pid 5173] <... socket resumed>    = 11

[pid 5151] getpid( <unfinished ...>

[pid 5173] fcntl(11, F_GETFL <unfinished ...>

[pid 5151] <... getpid resumed>    = 5151

[pid 5173] <... fcntl resumed>    = 0x2

(flags O_RDWR) [pid 5151] read(8,
<unfinished ...>

[pid 5173] fcntl(11, F_SETFL, O_RDWR|O_NONBLOCK <unfinished ...>

[pid 5151] <... read resumed>"\\1\\0\\0\\0\\0\\0\\0", 8) = 8

[pid 5173] <... fcntl resumed>

= 0 [pid 5151] getpid( <unfinished
...>

[pid 5173] connect(11, {sa_family=AF_INET, sin_port=htons(5552), sin_addr=inet_addr("127.0.0.1")}, 16 <unfinished
...> [pid 5151] <... getpid resumed>) = 5151

[pid 5173] <... connect resumed>    = -1 EINPROGRESS (Operation now in progress)

[pid 5151] ppoll([{fd=8, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5176] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=2080380736, u64=281472762124096}}], 256, -1, NULL, 8) =

1 [pid 5151] <... ppoll resumed>    = 0 (Timeout)

[pid 5173] epoll_ctl(7, EPOLL_CTL_ADD, 11, {events=0, data={u32=2080380032, u64=281472762123392}} <unfinished ...>

[pid 5151] write(1, "Ok: 1 //\\321\\203\\320\\267\\320\\265\\320\\273 1 \\320\\264\\320\\276\\321\\201\\321\\202\\321\\203\\320\\277"..., 37 <unfinished ...>

[pid 5176] accept4(16, <unfinished ...>

[pid 5151] <... write resumed>    =

37 [pid 5173] <... epoll_ctl resumed> =

0

[pid 5151] pselect6(1, [0], NULL, NULL, {tv_sec=0, tv_nsec=0}, NULL <unfinished ...>

[pid 5176] <... accept4 resumed>{sa_family=AF_INET, sin_port=htons(58444), sin_addr=inet_addr("127.0.0.1")}, [128 => 16], SOCK_CLOEXEC) = 17

[pid 5151] <... pselect6 resumed>) = 1 (in [0], left {tv_sec=0, tv_nsec=0})

[pid 5173] epoll_ctl(7, EPOLL_CTL_MOD, 11, {events=EPOLLOUT, data={u32=2080380032, u64=281472762123392}} <unfinished ...>

[pid 5151] write(1, "Received command: ping 2\\n", 25 <unfinished ...>

[pid 5176] setsockopt(17, SOL_TCP, TCP_NODELAY, [1], 4 <unfinished
...> [pid 5151] <... write resumed>) = 25

[pid 5173] <... epoll_ctl resumed>) = 0

[pid 5151] getpid( <unfinished ...>

[pid 5176] <... setsockopt resumed>) =

```

0 [pid 5151] <... getpid resumed> =

5151



```

[pid 5173] getpid( <unfinished ...>

[pid 5151] ppoll([{fd=10, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5176] getsockname(17, <unfinished ...>

[pid 5151] <... ppoll resumed>)      = 1 ([{fd=10, revents=POLLIN}], left
{tv_sec=0, tv_nsec=0}) [pid 5173] <... getpid resumed>      = 5151
[pid 5151] getpid( <unfinished ...>
[pid 5176] <... getsockname resumed>{sa_family=AF_INET, sin_port=htons(5552), sin_addr=inet_addr("127.0.0.1")}, [128 => 16]) =
0 [pid 5173] ppoll([{fd=6, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5151] <... getpid resumed>) = 5151
[pid 5176] getpeername(17, <unfinished ...>

[pid 5151] read(10, <unfinished ...>

[pid 5173] <... ppoll resumed>)      = 0 (Timeout)
[pid 5151] <... read resumed>"\1\0\0\0\0\0\0", 8) =
8
[pid 5176] <... getpeername resumed>{sa_family=AF_INET, sin_port=htons(58444), sin_addr=inet_addr("127.0.0.1")}, [128 => 16]) = 0
[pid 5151] getpid( <unfinished ...>
[pid 5173] epoll_pwait(7, <unfinished ...>

[pid 5151] <... getpid resumed>)      =
5151 [pid 5176] getpeername(17,
<unfinished ...>
[pid 5151] ppoll([{fd=10, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>
[pid 5173] <... epoll_pwait resumed>[{events=EPOLLOUT, data={u32=2080380032, u64=281472762123392}}, 256, -1, NULL, 8) =
1 [pid 5151] <... ppoll resumed>)      = 0 (Timeout)
[pid 5176] <... getpeername resumed>{sa_family=AF_INET, sin_port=htons(58444), sin_addr=inet_addr("127.0.0.1")}, [128 => 16]) = 0
[pid 5151] getpid( <unfinished ...>
[pid 5173] epoll_ctl(7, EPOLL_CTL_DEL, 11, 0xffff7c001488 <unfinished
...> [pid 5151] <... getpid resumed>) = 5151
[pid 5176] fcntl(17, F_GETFL <unfinished ...>
[pid 5151] ppoll([{fd=10, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>
[pid 5173] <... epoll_ctl resumed>) = 0
[pid 5151] <... ppoll resumed>)      = 0 (Timeout)
[pid 5176] <... fcntl resumed>) = 0x2 (flags O_RDWR)
[pid 5151] pselect6(1, [0], NULL, NULL, {tv_sec=0, tv_nsec=0}, NULL <unfinished ...>
[pid 5173] getsockopt(11, SOL_SOCKET, SO_ERROR, <unfinished ...>
[pid 5151] <... pselect6 resumed>) = 1 (in [0], left {tv_sec=0, tv_nsec=0}) [pid
5176] fcntl(17, F_SETFL, O_RDWR|O_NONBLOCK <unfinished ...> [pid
5151] write(1, "Received command: exec 2 2 10 20"..., 33 <unfinished ...>

[pid 5173] <... getsockopt resumed>[0], [4]) =
0 [pid 5151] <... write resumed>)      = 33

```

```

[pid 5176] <... fcntl resumed>)      = 0

[pid 5151] write(1, "Error:2: Node is unavailable\n", 29 <unfinished ...>

[pid 5173] setsockopt(11, SOL_TCP, TCP_NODELAY, [1], 4 <unfinished
...> [pid 5151] <... write resumed>) = 29

[pid 5176] getpid( <unfinished ...>

[pid 5151] getpid( <unfinished ...>

[pid 5173] <... setsockopt resumed>) =

0 [pid 5151] <... getpid resumed>) =

5151 [pid 5176] <... getpid resumed>)

=

5174

[pid 5151] ppoll([{fd=10, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5173] getsockname(11, <unfinished ...>

[pid 5151] <... ppoll resumed>)      = 0 (Timeout)

[pid 5176] write(13, "\1\0\0\0\0\0\0", 8 <unfinished ...>

[pid 5151] pselect6(1, [0], NULL, NULL, {tv_sec=0, tv_nsec=0}, NULL <unfinished ...>

[pid 5173] <... getsockname resumed> {sa_family=AF_INET, sin_port=htons(58444), sin_addr=inet_addr("127.0.0.1")}, [128 => 16]) = 0

[pid 5151] <... pselect6 resumed>) = 1 (in [0], left {tv_sec=0, tv_nsec=0})

[pid 5176] <... write resumed>)

= 8 [pid 5151] read(0, <unfinished
...>

[pid 5173] getpeername(11, <unfinished ...>

[pid 5151] <... read resumed> "", 4096) = 0

[pid 5176] epoll_pwait(14, <unfinished ...>

[pid 5151] write(1, "Received command: ping 99\n", 26 <unfinished ...>

[pid 5173] <... getpeername resumed> {sa_family=AF_INET, sin_port=htons(5552), sin_addr=inet_addr("127.0.0.1")}, [128 => 16]) =

0 [pid 5151] <... write resumed>)    = 26

[pid 5176] <... epoll_pwait resumed> [{events=EPOLLIN, data={u32=3664149216, u64=187650785311456}}], 256, -1, NULL, 8) =

1 [pid 5151] write(1, "Error: Not found\n", 17 <unfinished ...>

[pid 5173] fcntl(11, F_GETFL <unfinished
...> [pid 5151] <... write resumed>) = 17

[pid 5176] getpid( <unfinished ...>

[pid 5173] <... fcntl resumed>)      = 0x802 (flags

O_RDWR|O_NONBLOCK) [pid 5151] getpid( <unfinished
...> [pid 5176] <... getpid resumed>) =

5174 [pid 5151] <... getpid resumed>)

=

5151

[pid 5173] fcntl(11, F_SETFL, O_RDWR|O_NONBLOCK <unfinished
...>

```

```
[pid 5151] ppoll([{fd=10, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>
```

[pid 5176] ppoll([{fd=13, events=POLLIN}], 1, {tv\_sec=0, tv\_nsec=0}, NULL, 0 <unfinished ...>

[pid 5151] <... ppoll resumed> = 0 (Timeout)

```

[pid 5173] <... fcntl resumed>)      = 0

[pid 5151] pselect6(1, [0], NULL, NULL, {tv_sec=0, tv_nsec=0}, NULL <unfinished
...> [pid 5176] <... ppoll resumed>) = 1 ([{fd=13, revents=POLLIN}], left {tv_sec=0,
tv_nsec=0}) [pid 5151] <... pselect6 resumed>) = 1 (in [0], left {tv_sec=0, tv_nsec=0})

[pid 5173] getpid( <unfinished ...>

[pid 5151] write(1, "Exiting on EOF.\n", 16 <unfinished ...>

[pid 5176] getpid( <unfinished ...>

[pid 5151] <... write resumed>)      =

16 [pid 5173] <... getpid resumed>) =

5151 [pid 5151] getpid( <unfinished ...>

[pid 5176] <... getpid resumed>)      =

5174 [pid 5151] <... getpid resumed>)

=

5151

[pid 5173] write(6, "\1\0\0\0\0\0\0", 8 <unfinished ...>

[pid 5151] getpid( <unfinished ...>

[pid 5176] read(13, <unfinished ...>

[pid 5151] <... getpid resumed>)      =

5151 [pid 5173] <... write resumed>) =

8

[pid 5151] write(8, "\1\0\0\0\0\0\0", 8 <unfinished

...> [pid 5176] <... read resumed>"\1\0\0\0\0\0\0", 8)

= 8 [pid 5151] <... write resumed>) = 8

[pid 5173] epoll_pwait(7, <unfinished ...>

[pid 5151] getpid( <unfinished ...>

[pid 5176] epoll_ctl(14, EPOLL_CTL_ADD, 17, {events=0, data={u32=2080384416, u64=281472762127776}} <unfinished

...> [pid 5151] <... getpid resumed>) = 5151

[pid 5173] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=3664090192, u64=187650785252432}}], 256, -1, NULL, 8) =

1 [pid 5151] write(10, "\1\0\0\0\0\0\0", 8 <unfinished ...>

[pid 5176] <... epoll_ctl resumed>) = 0

[pid 5151] <... write resumed>)      =

8 [pid 5173] getpid( <unfinished ...>

[pid 5151] getpid( <unfinished ...>

[pid 5176] epoll_ctl(14, EPOLL_CTL_MOD, 17, {events=EPOLLIN, data={u32=2080384416, u64=281472762127776}} <unfinished

...> [pid 5151] <... getpid resumed>) = 5151

[pid 5173] <... getpid resumed>)      = 5151

[pid 5151] ppoll([{fd=3, events=POLLIN}], 1, NULL, NULL, 0 <unfinished ...>

[pid 5176] <... epoll_ctl resumed>) = 0

[pid 5173] ppoll([{fd=6, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5176] epoll_ctl(14, EPOLL_CTL_MOD, 17, {events=EPOLLIN|EPOLLOUT, data={u32=2080384416, u64=281472762127776}} <unfinished ...>

```

```
[pid 5173] <... ppoll resumed>      = 1 ([{fd=6, revents=POLLIN}], left
{tv_sec=0, tv_nsec=0}) [pid 5176] <... epoll_ctl resumed>) = 0
[pid 5173] getpid( <unfinished ...>
[pid 5176] recvfrom(17, <unfinished
...> [pid 5173] <... getpid resumed>) =
5151
[pid 5176] <... recvfrom resumed>0xffff7c001ed8, 12, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily unavailable)
[pid 5173] read(6, <unfinished ...>
[pid 5176] getpid( <unfinished ...>
[pid 5173] <... read resumed>"\1\0\0\0\0\0\0", 8) =
8 [pid 5176] <... getpid resumed>) = 5174
[pid 5173] epoll_ctl(7, EPOLL_CTL_ADD, 11, {events=0, data={u32=2080380032, u64=281472762123392}} <unfinished ...>
[pid 5176] ppoll([{fd=13, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>
[pid 5173] <... epoll_ctl resumed>) = 0
[pid 5176] <... ppoll resumed>      = 0 (Timeout)
[pid 5173] epoll_ctl(7, EPOLL_CTL_MOD, 11, {events=EPOLLIN, data={u32=2080380032, u64=281472762123392}} <unfinished ...>
[pid 5176] epoll_pwait(14, <unfinished ...>
[pid 5173] <... epoll_ctl resumed>) = 0
[pid 5176] <... epoll_pwait resumed>[{events=EPOLLOUT, data={u32=2080384416, u64=281472762127776}}], 256, 29999, NULL, 8) = 1
[pid 5173] epoll_ctl(7, EPOLL_CTL_MOD, 11, {events=EPOLLIN|EPOLLOUT, data={u32=2080380032, u64=281472762123392}} <unfinished
...> [pid 5176] sendto(17, "377\0\0\0\0\0\0\1\177", 10, 0, NULL, 0 <unfinished ...>
[pid 5173] <... epoll_ctl resumed>) = 0
[pid 5176] <... sendto resumed>) = 10
[pid 5173] recvfrom(11, <unfinished
...>
[pid 5176] epoll_ctl(14, EPOLL_CTL_MOD, 17, {events=EPOLLIN, data={u32=2080384416, u64=281472762127776}} <unfinished
...> [pid 5173] <... recvfrom resumed>"377\0\0\0\0\0\0\1\177", 12, 0, NULL, NULL) = 10
[pid 5176] <... epoll_ctl resumed>) = 0 [pid
5173] recvfrom(11, <unfinished ...> [pid
5176] epoll_pwait(14, <unfinished ...>
[pid 5173] <... recvfrom resumed>0xffff7c0096e2, 2, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily
unavailable) [pid 5173] getpid()= 5151
[pid 5173] ppoll([{fd=6, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0) = 0 (Timeout)
[pid 5173] epoll_pwait(7, [{events=EPOLLOUT, data={u32=2080380032, u64=281472762123392}}], 256, 29998, NULL, 8) = 1
[pid 5173] sendto(11, "377\0\0\0\0\0\0\1\177\3", 11, 0, NULL, 0 <unfinished ...>
[pid 5176] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=2080384416, u64=281472762127776}}], 256, 29998, NULL, 8) = 1
[pid 5173] <... sendto resumed>) = 11
[pid 5176] recvfrom(17, <unfinished
...>
```

[pid 5173] epoll\_ctl(7, EPOLL\_CTL\_MOD, 11, {events=EPOLLIN, data={u32=2080380032, u64=281472762123392}} <unfinished ...>

[illegible]



[pid 5176] getpid( <unfinished ...>

[pid 5173] epoll\_pwait(7, <unfinished ...>

[pid 5176] <... getpid resumed> = 5174

[pid 5176] write(15, "\1\0\0\0\0\0\0", 8) =

8

[pid 5174] <... ppoll resumed> = 1 ([ {fd=15, revents=POLLIN} ])

[pid 5176] sendto(17, "\4\31\5READY\vSocket-Type\0\0\0\3REP", 27, 0, NULL, 0 <unfinished ...>

[pid 5174] getpid( <unfinished ...>

[pid 5176] <... sendto resumed> = 27

[pid 5173] <... epoll\_pwait resumed>[{events=EPOLLIN, data={u32=2080380032, u64=281472762123392}}], 256, 29993, NULL, 8) = 1

[pid 5176] epoll\_pwait(14, <unfinished

> [pid 5174] <... getpid resumed>) =

5174

[pid 5176] <... epoll\_pwait resumed>[{events=EPOLLOUT, data={u32=2080384416, u64=281472762127776}}], 256, -1, NULL, 8) = 1

[pid 5173] recvfrom(11, <unfinished ...>

[pid 5176] epoll\_ctl(14, EPOLL\_CTL\_MOD, 17, {events=EPOLLIN, data={u32=2080384416, u64=281472762127776}} <unfinished

> [pid 5174] read(15, <unfinished ...>

[pid 5176] <... epoll\_ctl resumed>) = 0

[pid 5173] <... recvfrom resumed>"\4\31\5READY\vSocket-Type\0\0\0\3REP", 8192, 0, NULL, NULL) = 27

[pid 5176] epoll\_pwait(14, <unfinished ...>

[pid 5174] <... read resumed>"\1\0\0\0\0\0\0", 8) = 8

[pid 5173] epoll\_ctl(7, EPOLL\_CTL\_MOD, 11, {events=EPOLLIN|EPOLLOUT, data={u32=2080380032, u64=281472762123392}} <unfinished ...>

[pid 5174] getpid( <unfinished ...>

[pid 5173] <... epoll\_ctl resumed>) = 0

[pid 5174] <... getpid resumed> =

5174

[pid 5173] sendto(11, "\1\0\0\5ping\0", 9, 0, NULL, 0 <unfinished ...>

[pid 5174] write(13, "\1\0\0\0\0\0\0", 8 <unfinished ...>

[pid 5176] <... epoll\_pwait resumed>[{events=EPOLLIN, data={u32=2080384416, u64=281472762127776}}], 256, -1, NULL, 8) =

1 [pid 5173] <... sendto resumed> = 9

[pid 5176] recvfrom(17, <unfinished

> [pid 5174] <... write resumed>) = 8

[pid 5176] <... recvfrom resumed>"\1\0\0\5ping\0", 8192, 0, NULL, NULL) = 9

[pid 5173] epoll\_pwait(7, <unfinished ...>

[pid 5176] epoll\_pwait(14, <unfinished

> [pid 5174] getpid( <unfinished ...>

[pid 5176] <... epoll\_pwait resumed>[{events=EPOLLIN, data={u32=3664149216, u64=187650785311456}}], 256, -1, NULL, 8) = 1

[pid 5173] <... epoll\_pwait resumed>[{events=EPOLLOUT, data={u32=2080380032, u64=281472762123392}}], 256, -1, NULL, 8) = 1

[pid 5176] getpid( <unfinished ...>

[pid 5174] <... getpid resumed> = 5174

```

[pid 5176] <... getpid resumed>      = 5174

[pid 5173] epoll_ctl(7, EPOLL_CTL_MOD, 11, {events=EPOLLIN, data={u32=2080380032, u64=281472762123392}} <unfinished ...>

[pid 5176] ppoll([{fd=13, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5174] ppoll([{fd=15, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5176] <... ppoll resumed>) = 1 ([{fd=13, revents=POLLIN}], left {tv_sec=0, tv_nsec=0})

[pid 5173] <... epoll_ctl resumed>) = 0

[pid 5176] getpid( <unfinished ...>

[pid 5174] <... ppoll resumed>      = 0

(Timeout) [pid 5176] <... getpid
resumed>)

                                = 5174

[pid 5173] epoll_pwait(7, <unfinished ...>

[pid 5176] read(13, <unfinished ...>

[pid 5174] getpid( <unfinished ...>

[pid 5176] <... read resumed>"\1\0\0\0\0\0\0", 8) =

8 [pid 5174] <... getpid resumed>    = 5174

[pid 5176] getpid( <unfinished ...>

[pid 5174] ppoll([{fd=15, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished
...> [pid 5176] <... getpid resumed>) = 5174

[pid 5174] <... ppoll resumed>      = 0 (Timeout)

[pid 5176] ppoll([{fd=13, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5174] getpid( <unfinished ...>

[pid 5176] <... ppoll resumed>      = 0

(Timeout) [pid 5174] <... getpid
resumed>)

                                = 5174

[pid 5176] epoll_pwait(14, <unfinished ...>

[pid 5174] write(13, "\1\0\0\0\0\0\0", 8 <unfinished ...>

[pid 5176] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=3664149216, u64=187650785311456}}], 256, -1, NULL, 8) =

1 [pid 5174] <... write resumed>     = 8

[pid 5176] getpid( <unfinished ...>

[pid 5174] getpid( <unfinished ...>

[pid 5176] <... getpid resumed>)

= 5174 [pid 5174] <... getpid
resumed>)

                                =

5174

[pid 5176] ppoll([{fd=13, events=POLLIN}], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5174] ppoll([{fd=15, events=POLLIN}], 1, NULL, NULL, 0 <unfinished ...>

[pid 5176] <... ppoll resumed>) = 1 ([{fd=13, revents=POLLIN}], left {tv_sec=0, tv_nsec=0})

```

```
[pid 5176] getpid() = 5174
```

```
[pid 5176] read(13, "\0\0\0\0\0\0", 8) = 8
```

[pid 5176] epoll\_ctl(14, EPOLL\_CTL\_MOD, 17, {events=EPOLLIN|EPOLLOUT, data={u32=2080384416, u64=281472762127776}}) = 0

[pid 5176] getpid() = 5174

```

[pid 5176] write(15, "\1\0\0\0\0\0\0", 8) = 8

[pid 5174] <... ppoll resumed>) = 1 ([{fd=15, revents=POLLIN}])

[pid 5176] sendto(17, "\1\0\0\5pong\0", 9, 0, NULL, 0 <unfinished
...> [pid 5174] getpid( <unfinished ...>

[pid 5176] <... sendto resumed>) = 9

[pid 5173] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=2080380032, u64=281472762123392}}], 256, -1, NULL, 8) = 1

[pid 5176] getpid( <unfinished ...>

[pid 5174] <... getpid resumed>) = 5174

[pid 5176] <... getpid resumed>) = 5174

[pid 5173] recvfrom(11, <unfinished ...>

[pid 5176] ppoll([fd=13, events=POLLIN], 1, {tv_sec=0, tv_nsec=0}, NULL, 0 <unfinished ...>

[pid 5174] read(15, <unfinished ...>

[pid 5176] <... ppoll resumed>) = 0 (Timeout)

[pid 5173] <... recvfrom resumed>"\1\0\0\5pong\0", 8192, 0, NULL, NULL) =
9 [pid 5176] epoll_pwait(14, <unfinished ...>

[pid 5174] <... read resumed>"\1\0\0\0\0\0\0", 8) = 8

[pid 5176] <... epoll_pwait resumed>[{events=EPOLLOUT, data={u32=2080384416, u64=281472762127776}}], 256, -1, NULL, 8) = 1

[pid 5173] epoll_pwait(7, <unfinished ...>

[pid 5176] epoll_ctl(14, EPOLL_CTL_MOD, 17, {events=EPOLLIN, data={u32=2080384416, u64=281472762127776}} <unfinished
...> [pid 5174] getpid( <unfinished ...>

[pid 5176] <... epoll_ctl resumed>) = 0

[pid 5174] <... getpid resumed>) =
5174 [pid 5176] epoll_pwait(14,
<unfinished ...>

[pid 5174] ppoll([fd=15, events=POLLIN], 1, {tv_sec=0, tv_nsec=0}, NULL, 0) = 0 (Timeout)

[pid 5174] getpid() = 5174

[pid 5174] ppoll([fd=15, events=POLLIN], 1, NULL, NULL, 0) = ? ERESTARTNOHAND (To be restarted if no handler)

strace: Process 5151 detached

strace: Process 5153

detached strace: Process

5154 detached strace:

Process 5155 detached

strace: Process 5172

detached strace: Process

5173 detached strace:

Process 5174 detached

strace: Process 5175

detached strace: Process

5176 detached

```

## **Выводы**

Интересно было поработать и разобраться в zmq