

Московский Авиационный Институт  
(Национальный Исследовательский Университет)  
Институт №8 “Компьютерные науки и прикладная математика”  
Кафедра №806 “Вычислительная математика и программирование”

**Лабораторная работа №5-7 по курсу**  
**«Операционные системы»**

Группа: М8О-215Б-23

Студент: Кармишен Е. С.

Преподаватель: Миронов Е.С.

Оценка: \_\_\_\_\_

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# Постановка задачи

## Вариант 22.

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 удастся 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 удастся связаться с вычислительным узлом

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

- **Топология**

Узлы находятся в идеально сбалансированном бинарном дереве. Каждый следующий узел должен добавляться в самое наименьшее поддереву. `[parent]` — является необязательным параметром.

- **Набора команд**

Формат команды: `exec id n k1 ... kn`

`id` – целочисленный идентификатор вычислительного узла, на который отправляется команда `n` – количество складываемых чисел (от 1 до 10<sub>8</sub>)

`k1 ... kn` – складываемые числа

- **Команда проверки**

Формат команды: `ping id`

Команда проверяет доступность конкретного узла. Если узла нет, то необходимо выводить ошибку: «Error: Not found»

## 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

Алгоритм решения:

### 1. Запуск сервера

1. Сервер создает именованный канал (FIFO) `/tmp/chat_server` для приема команд от клиентов.
  2. Сервер открывает FIFO для чтения и переходит в режим ожидания команд.
- 

### 2. Подключение клиента

1. Клиент запускается и запрашивает у пользователя логин.
  2. Клиент подключается к серверу, отправляя команду `CONNECT <логин>` через FIFO сервера.
  3. Сервер:
    - Регистрирует клиента.
    - Создает именованный канал для клиента `(/tmp/chat_client_<логин>)`.
    - Сохраняет информацию о клиенте (логин, имя FIFO, файловый дескриптор).
  4. Клиент открывает свой FIFO для чтения и запускает отдельный поток для приема сообщений.
- 

### 3. Работа клиента

1. Клиент предоставляет пользователю меню команд:
    - `create_group <имя_группы>`: Создает новую группу.
    - `join_group <имя_группы>`: Присоединяется к существующей группе.
    - `send <логин_получателя> <сообщение>`: Отправляет личное сообщение.
    - `send_group <имя_группы> <сообщение>`: Отправляет сообщение в группу.
    - `exit`: Отключается от сервера.
  2. Клиент отправляет команды серверу через FIFO сервера.
- 

### 4. Обработка команд сервером

1. Сервер читает команды из своего FIFO.
2. В зависимости от команды:

- CONNECT:
    - Регистрирует клиента.
    - Создает FIFO для клиента.
  - SEND:
    - Находит получателя по логину.
    - Отправляет сообщение через FIFO получателя.
  - CREATE\_GROUP:
    - Создает новую группу и добавляет ее в список групп.
  - JOIN\_GROUP:
    - Добавляет клиента в список участников группы.
  - SEND\_GROUP:
    - Находит группу.
    - Отправляет сообщение всем участникам группы, кроме отправителя.
  - DISCONNECT:
    - Удаляет клиента из списка.
    - Закрывает и удаляет FIFO клиента.
- 

#### 5. Получение сообщений клиентом

1. В отдельном потоке клиент читает данные из своего FIFO.
  2. Если получено сообщение, оно выводится на экран.
- 

#### 6. Завершение работы

1. Клиент отправляет команду DISCONNECT и завершает работу.
2. Сервер:
  - Удаляет клиента из списка.
  - Закрывает и удаляет FIFO клиента.
3. При завершении сервера (например, по Ctrl+C):
  - Закрывает и удаляет FIFO сервера.
  - Освобождает все ресурсы.

# Код программы

main.c

```
#include <stdio.h>

#include <stdlib.h>

#include <string.h>

#include <zmq.h>

#include <unistd.h>

#include <time.h>


// Error handling macro

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

#define ERROR(msg) { fprintf(stderr, "ERROR: %s\n", msg); }


#define DEFAULT_TIMEOUT 2


// Structure to represent a computational node

typedef struct compute_node_t {

    int id;

    pid_t pid;

    int parent_id; // For topology, not always used

    void *socket; // ZeroMQ socket to this node

    struct compute_node_t *left;

    struct compute_node_t *right;

    char *last_command;

    int64_t last_command_sent;

} compute_node_t;


// Global root of the compute node tree (for topology 4)

compute_node_t *root_node = NULL;
```

```

// Function to create a new compute node structure

compute_node_t *create_compute_node(int id, int parent_id) {

compute_node_t *node = (compute_node_t *) malloc(sizeof(compute_node_t));

if (!node) FATAL("Failed to allocate memory for compute node");

node->id = id;

node->pid = 0; // PID will be set later after fork

node->parent_id = parent_id;

node->socket = NULL; // Socket will be created when process starts

node->left = NULL;

node->right = NULL;

node->last_command = NULL;

node->last_command_sent = -1;

return node;

}

int count_nodes(compute_node_t *root) {

if (root == NULL)

return 0;

int result = 1;

if (root->left != NULL) {

result += count_nodes(root->left);

}

if (root->right != NULL) {

result += count_nodes(root->right);

}

return result;

}

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

if (root == NULL) {

```

```

return new_node;

}

if (count_nodes(root->left) <= count_nodes(root->right)) {

root->left = insert_node(root->left, new_node);

} else {

root->right = insert_node(root->right, new_node);

}

return root;

}

// Function to find a node in the BST

compute_node_t *find_node(compute_node_t *root, int id) {

if (root == NULL) {

return NULL;

}

if (root->id == id) {

return root;

}

compute_node_t *a = find_node(root->left, id);

if (a != NULL)

return a;

return find_node(root->right, id);

}

// Function to send a command to a compute node and receive response

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) {

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; // Communication error

}

zmq_msg_close(&request);

node->last_command = strdup(command);

node->last_command_sent = time(NULL);

}

void handle_response(compute_node_t *node, const char *response) {

if (strcmp(response, "pong") == 0) {

printf("Ok: 1 // узел %d доступен\n", node->id);

} else if (strstr(response, "Ok") != NULL) {

printf("Ok:%d: %s\n", node->id, &response[4]);

} else if (strstr(response, "Error") != NULL) {

printf("Error:%d: %s\n", node->id, &response[7]);

} else if (strstr(node->last_command, "exec") != NULL) {

printf("Ok:%d: %s\n", node->id, response);

}

}

void receive_node(compute_node_t *node) {

zmq_msg_t reply;

```



```

zmq_msg_init(&reply);

if (zmq_msg_recv(&reply, node->socket, ZMQ_NOBLOCK) != -1) {

char *response = strdup((char *) zmq_msg_data(&reply));

zmq_msg_close(&reply);

if (node->last_command != NULL) {

handle_response(node, response);

node->last_command = NULL;

node->last_command_sent = -1;

}

free(response);

return;

}

zmq_msg_close(&reply);

if (node->last_command_sent != -1 && time(NULL) - node->last_command_sent > DEFAULT_TIMEOUT) {

if (strcmp(node->last_command, "ping") == 0) {

printf("Ok: 0 // узел %d недоступен\n", node->id);

} else {

printf("Error:%d: Node is unavailable\n", node->id);

}

node->last_command = NULL;

node->last_command_sent = -1;

}

}

void receive_node_tree(compute_node_t *node) {

if (node != NULL) {

receive_node(node);

if (node->right != NULL)

receive_node_tree(node->right);

}

}

```

```

if (node->left != NULL)

receive_node_tree(node->left);

}

}

void compute_node_process(int node_id);

int inputAvailable() {

struct timeval tv;

tv.tv_sec = 0;

tv.tv_usec = 0;

fd_set read_fds;

FD_ZERO(&read_fds);

FD_SET(STDIN_FILENO, &read_fds);

select(STDIN_FILENO + 1, &read_fds, NULL, NULL, &tv);

return (FD_ISSET(STDIN_FILENO, &read_fds) != 0);

}

// Controller Node logic - now reads from console

void controller_node_logic() {

void *zmq_context = zmq_ctx_new();

printf("Controller Node started. Listening for commands from console...\n");

char command_buffer[256]; // Buffer for console input

while (1) {

receive_node_tree(root_node);

if (!inputAvailable()) {

```

```

usleep(100 * 1000);

continue;
}

if (fgets(command_buffer, sizeof(command_buffer), stdin) == NULL) {

if (feof(stdin)) { // Check for EOF (Ctrl+D)

printf("Exiting on EOF.\n");

break;

} else {

ERROR("Error reading from console.");

continue;

}

}

// Remove trailing newline from fgets

command_buffer[strcspn(command_buffer, "\n")] = 0;

if (strlen(command_buffer) == 0) { // Handle empty input

continue;

}

printf("Received command: %s\n", command_buffer);

char *command = strtok(command_buffer, " ");

if (command != NULL) {

if (strcmp(command, "create") == 0) {

char *id_str = strtok(NULL, " ");

char *parent_id_str = strtok(NULL, " "); // Ignored in Topology 4 create command

int id = atoi(id_str);

if (find_node(root_node, id) != NULL) {

printf("Error: Already exists\n");

```

```

} else {

compute_node_t *new_node = create_compute_node(id, -1); // Parent ID is not used in create
command for topology 4 as per instructions

root_node = insert_node(root_node, new_node);

pid_t pid = fork();

if (pid == 0) {

// Child process (Compute Node)

compute_node_process(id);

exit(EXIT_SUCCESS); // Child process exits after compute node logic

} else if (pid > 0) {

new_node->pid = pid;

// Wait for compute node to start and connect (very basic sync, better approach would be needed
for robust system)

sleep(1); // Give time for node to start and bind. In real system, use proper handshake.

char address[50];

sprintf(address, "tcp://127.0.0.1:%d", 5550 + id); // Assuming port allocation based on ID

new_node->socket = zmq_socket(zmq_context, ZMQ_REQ);

int connect_result = zmq_connect(new_node->socket, address);

if (connect_result != 0) {

ERROR("Failed to connect to compute node, cleanup needed.");

// TODO: Handle cleanup if connection fails, remove node from tree, kill process if needed.

printf("Error: Parent is unavailable\n"); // Best guess for this lab based on error messages.

}

printf("Ok: %d\n", new_node->pid);

} else {

ERROR("Fork failed");

// Handle fork error, maybe remove node from tree if partially created.

printf("Error: [System error]\n"); // Generic error for fork failure.

}

}

```

```

} else if (strcmp(command, "exec") == 0) {

char *id_str = strtok(NULL, " ");

int id = atoi(id_str);

compute_node_t *node = find_node(root_node, id);

if (node == NULL) {

printf("Error:%d: Not found\n", id);

} else {

char *params = strtok(NULL, ""); // Get the rest of the string as parameters

char exec_command[200];

sprintf(exec_command, "exec %s", params);

send_command_to_node(node, exec_command);

}

} else if (strcmp(command, "ping") == 0) {

char *id_str = strtok(NULL, " ");

int id = atoi(id_str);

compute_node_t *node = find_node(root_node, id);

if (node == NULL) {

printf("Error: Not found\n");

} else {

send_command_to_node(node, "ping");

}

} else {

printf("Error: [Unknown command]\n");

}

}

}

zmq_ctx_destroy(zmq_context);

}

```

```

// Compute Node process logic (same as before)

void compute_node_process(int node_id) {

void *zmq_context = zmq_ctx_new();

void *responder = zmq_socket(zmq_context, ZMQ_REP);

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 *params_str = strtok(NULL, ""); // Get all parameters after "exec"

char *n_str = strtok(params_str, " ");

int n = atoi(n_str);

```

```
int sum = 0;

for (int i = 0; i < n; ++i) {

char *k_str = strtok(NULL, " ");

sum += atoi(k_str);

}


char buffer[50];

int written = sprintf(buffer, "%d", sum);

buffer[written] = '\0';

response_str = strdup(buffer);

} else if (strcmp(command, "ping") == 0) {

response_str = strdup("pong");

} else {

response_str = strdup("Error: Unknown command for compute node");

}


zmq_msg_t reply;

zmq_msg_init_size(&reply, strlen(response_str) + 1);

strcpy(zmq_msg_data(&reply), response_str);

free(response_str);


zmq_msg_send(&reply, responder, 0);

zmq_msg_close(&reply);

free(command_str);

}

zmq_close(responder);

zmq_ctx_destroy(zmq_context);

}
```

```
int main() {  
  
    // Start controller logic, now reading from console directly  
  
    controller_node_logic();  
  
  
    return 0;  
  
}
```

## Протокол работы программы

```
Controller Node started. Listening for commands from console...  
create 1  
Received command: create 1  
Compute Node 1 started, listening on tcp://127.0.0.1:5551  
Ok: 11388  
ping 1  
Received command: ping 1  
Ok: 1 // узел 1 доступен  
create 4  
Received command: create 4  
Compute Node 4 started, listening on tcp://127.0.0.1:5554  
pOk: 11482  
ping 4  
Received command: ping 4  
Ok: 1 // узел 4 доступен  
exec 1 4 1 2 3 4  
Received command: exec 1 4 1 2 3 4  
Ok:1: 10  
exec 4 2 3 4  
Received command: exec 4 2 3 4  
Ok:4: 7  
exec 2 3 3 3 3  
Received command: exec 2 3 3 3 3  
Error:2: Not found
```



**Strace:**eventfd epoll

## 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)                = 0xaaaada641000
```

```
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
```

$$\text{close}(3) = 0$$

```
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
```

$$\text{close}(3) = 0$$

```
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\0\340u\2\0\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
```

$$\text{close}(3) = 0$$

```
openat(AT_FDCWD, "/lib/aarch64-linux-gnu/libbsd.so.0", O_RDONLY|O_CLOEXEC) = 3

read(3, "\177ELF2\1\1\0\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, "\177ELF2\1\1\0\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, "\177ELF2\1\1\0\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=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, "\177ELF2\1\1\0\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
```

```
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
```

```
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/libcrypto.so.3", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF2\1\1\0\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=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, "\177ELF2\1\1\0\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=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, "\177ELF2\1\1\0\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=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, "\177ELF2\1\1\0\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=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\0\3\0\267\0\1\0\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
```

```
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)                        = 0xaaaa641000

brk(0xaaaa662000)                = 0xaaaa662000

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, 0xaaaa652ee0 /* 22 entries */, 32768) = 616

getdents64(3, 0xaaaa652ee0 /* 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/atomics/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

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

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

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

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

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

newfstatat(AT\_FDCWD, "/usr/lib/atomics", 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

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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\xc0xcd", 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\n"..., 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

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[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_CLEARTID,
strace: 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_RDONLY)

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

[pid 5153] fcntl(7, F_SETFL, O_RDONLY|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_RDONLY|O_NONBLOCK)

[pid 5154] <... sched_getscheduler resumed>) = 0 (SCHED_OTHER)

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

[pid 5154] sched_setscheduler(5154, SCHED_OTHER, [0] <unfinished ...>

[pid 5153] <... fcntl resumed>     = 0
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[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(EPoll_CLOEXEC <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_SETTLS|CLONE_PARENT_SETTID|CLONE_CHILD_CLEARTID,
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] recvmsg(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\_VLAN-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, 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```
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*/}, "\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, 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\x06\x00\x02\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", ...]], [{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}, {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\x00\x08\x00\x15\x00\x00\x00\x00\x00\x08\x00\x01\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, 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 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},
00:00:00:00:00:00:00], [{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\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},
00:00:00:00:00:00], [{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=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\x08\x00\x02\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 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}, 00:00:00:00:00:00:00:00], [{nla\_len=20, nla\_type=IFLA\_BROADCAST}, 00:00:00:00:00:00:00:00], [{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\x14\x00\x02\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=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}, 00:00:00:00:00:00:00:00], [{nla\_len=20, nla\_type=IFLA\_BROADCAST}, 00:00:00:00:00:00:00:00], [{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\x06\x00\x02\x00\x00\x00\x00\x00\x06\x00\x03\x00\x00\x00\x00\x08\x00\x04\x00\x00\x00\x00\x00" ...]], [{nla\_len=20, nla\_type=IFLA\_PERM\_ADDRESS}, 06:d1:90:f8:4b: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=NLMG_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", 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", 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) = 0

[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|CLONE_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|C
LONE_CHILD_CLEAR_TID, 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_RDONLY)

[pid 5173] rt_sigprocmask(SIG_SETMASK, [], <unfinished ...>

[pid 5151] fcntl(8, F_SETFL, O_RDONLY|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_RDONLY|O_NONBLOCK)

[pid 5173] sched_getparam(5173, <unfinished ...>

[pid 5151] fcntl(8, F_SETFL, O_RDONLY|O_NONBLOCK <unfinished ...>

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

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[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(0xaaaada684000 <unfinished ...>

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

[pid 5151] <... brk resumed> = 0xaaaada684000

[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>"\1\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\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 ...>



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[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

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[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\_RDWR)

[pid 5173] <... fcntl resumed>) = 0x802 (flags O\_RDWR|O\_NONBLOCK)

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

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

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

[pid 5173] fcntl(9, F\_SETFL, O\_RDWR|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\_RDWR|O\_NONBLOCK)

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

[pid 5174] fcntl(11, F\_SETFL, O\_RDWR|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|CLONE\_CHILD\_CLEARPID <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 ...>

[illegible]

```
[pid 5174] <... getsockname resumed> {sa_family=AF_NETLINK, nl_pid=5174, nl_groups=00000000}, [12]) = 0
```

```
[pid 5173] <... epoll_pwait resumed>[{events=EPOLLIN, data={u32=2080379952, u64=281472762123312}}, 256, 29992, NULL, 8) = 1
```

[pid 5155] <... sendto resumed>) = 54

```
[pid 5174] sendto(16, [{nlmsg_len=20, nlmsg_type=RTM_GETLINK, nlmsg_flags=NLM_F_REQUEST|NLM_F_DUMP, nlmsg_seq=1741222075, nlmsg_pid=0}, {ifi_family=AF_UNSPEC, ...}], 20, 0, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12 <unfinished ...>
```

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

```
[pid 5174] <... sendto resumed>)    = 20
```

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

```
[pid 5174] recvmsg(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_VLAN-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_DEFRTTR] = 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=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,
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\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\x06\x00\x02\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"}, ...]], [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\x00\x08\x00\x15\x00\x00\x00\x00\x00\x00\x08\x00\x01\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\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

[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=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\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, 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\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 5173] recvfrom(9, <unfinished ...>
```

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

```
[pid 5173] <... recvfrom resumed>0xffff7c003d28, 8192, 0, NULL, NULL) = -1 EAGAIN (Resource temporarily unavailable)
```

[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", 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", 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\31\5READY\socket-Type\0\0\0\3REP", 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\socket-Type\0\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", 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", 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", 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", 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", 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", 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", 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, "\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, "\0\0\0\0\0\0", 8) = 8

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

[pid 5155] sendto(11, "\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>"\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>"\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

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```

[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, "\0\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)

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[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

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[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, "\1\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

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```

[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