

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: М80-206Б-22

Студент: Сарайкин Н.С.

Преподаватель: Миронов Е.С.

Оценка: \_\_\_\_\_

Дата: 01.03.2024

Москва, 2024

## Постановка задачи

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.

- Топология 2 - **Дерево общего вида**.
- Набор команд 3 - **Локальный таймер**.
- Тип проверки доступности узлов 3 - **heartbeat time**.
- Технология очереди сообщений: **zero message queue**.

## Общий метод и алгоритм решения

Использованные системные вызовы:

- `pid_t fork(void)`; – создает дочерний процесс, возвращает PID дочернего процесса, а процессу-потомку возвращается 0, а в случае ошибки -1.
- `int execl(const char *pathname, const char *arg, .../*, (char *) NULL */)` - исполняет указанные файлы.
- `zmq_ctx_new()` — создает новый контекст ZMQ.
- `zmq_socket()` — создает ZMQ сокет.
- `zmq_close()` — закрывает ZMQ сокет.
- `zmq_ctx_destroy()` — уничтожает контекст ZMQ.
- `zmq_socket()` - инициализация ZMQ сокета.
- `zmq_connect()` - установление соединения между сокетом ZMQ и удаленным адресом.
- `zmq_setsockopt()` - установка опций конфигурации для сокета ZMQ.
- `zmq_recv()` - прием сообщений на сокете ZMQ.
- `zmq_send()` - отправка сообщений с помощью сокета ZMQ.
- `zmq_bing()` - привязка сокета к адресу и порту.

Для работы с системой, запускается программа `serv.c`, которая является реализацией логики управляющего узла, при создании вычислительного узла программа создает новый процесс и запускает в нем программу `user.c`. Сообщения в вычислительные узлы передаются при помощи

ZeroMQ, по созданному сокету. Взаимосвязь узлов между собой описывается логикой, описанной в файле tree.h.

## Код программы

### serv.c

```
#include "tree.h"

#include <unistd.h>

#include <string.h>

#include <fcntl.h>

#include <sys/wait.h>

#include <mqueue.h>

#include <zmq.h>

char message[256]; // буфер

void killWithChildren(TNode *node, void * publisher) { // удаляем процессы
    if (node == NULL) {
        return;
    }
    // Отключаем текущий узел
    sprintf(message, "kill %d", node->data);
    zmq_send(publisher, message, strlen(message), 0);
    memset(message, 0, sizeof(message));

    // Рекурсивно отключаем всех потомков
    killWithChildren(node->firstChild, publisher);
    killWithChildren(node->nextBrother, publisher);
}

int main() {
    void *context = zmq_ctx_new();
```

```

void *publisher = zmq_socket(context, ZMQ_PUB);

zmq_bind(publisher, "tcp://127.0.0.1:5555");


char input[256];

char command[100];

char subcommand[100];

int arg1 = 0, arg2 = 0;

TNode *root = createNode(-1); // управляющий узел


while (1) {

    memset(message, 0, sizeof(message));

    memset(command, 0, sizeof(command));


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

        break;

    }


    sscanf(input, "%s", command);

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

        sscanf(input, "%*s %d %d", &arg1, &arg2);

        TNode *node = find_node(root, arg2);

        TNode *node2 = find_node(root, arg1);

        if (node == NULL){

            printf("Error: Parent not found \n");

        }

        else if(node2 != NULL){

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

        }

        else{

            addChild(node, arg1);

```

```

if (arg2 == -1){ // если создаем в управляющем узле

    pid_t id = fork();

    if (id == 0){

        char str1[sizeof(int)];

        sprintf(str1, "%d", arg1);

        execl("./user", "./user", str1, NULL);

        perror("execl");

    }

    printf("Ok: %d\n", id);

}

else{

    sprintf(message, "create %d %d", arg1, arg2);

    zmq_send(publisher, message, strlen(message), 0);

}

}

}

```

```

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

    sscanf(input, "%*s %d %s", &arg1, subcommand);

    TNode *searching = find_node(root, arg1);

    if (arg1 == -1) {

        printf("This is a command process\n");

    }

    else if (searching == NULL) {

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

    }

    else if (searching->exist) {

        zmq_send(publisher, input, strlen(input), 0);

    }

}

```

```

else {

    printf("You can't give an option to dead root\n");

    continue;

}

}

```

```

else if (strcmp(command, "kill") == 0) {

    sscanf(input, "%*s %d", &arg1);

    TNode *node4 = find_node(root, arg1);

    if (arg1 == -1)

        printf("Nope\n");

    else if (node4 == NULL) {

        printf("This node is dead or doesn't exist ever\n");

    }

    else {

        zmq_send(publisher, input, strlen(input), 0);

        killWithChildren(node4->firstChild, publisher);

        disableNode(node4->firstChild);

        disableOneNode(node4);

    }

}

```

```

else if (strcmp(command, "heartbit") == 0) {

    sscanf(input, "%*s %d", &arg1);

    int time = arg1 / 1000;

    Heartbit(root, time);

    printf("\n");

}

```

```

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

    sscanf(input, "%*s %d", &arg1);

```



```
#include <fcntl.h>
```

```
#include <sys/wait.h>
```

```
#include <zmq.h>
```

```
int id;
```

```
struct Timer {  
    clock_t total_time;  
    time_t cur_time;  
    int running;  
};
```

```
struct Timer myTimer;
```

```
void startTimer(struct Timer* timer) {  
    if (!timer->running) {  
        timer->cur_time = time(NULL);  
        timer->running = 1;  
        printf("Ok:%d\n", id);  
        return;  
    }  
}
```

```
void stopTimer(struct Timer* timer) {  
    if (timer->running) {  
        timer->total_time += time(NULL) - timer->cur_time;  
        timer->running = 0;  
        printf("Ok:%d\n", id);  
        return;  
    }  
}
```



```
}
```

```
void getTotalSumTimer(struct Timer* timer) {  
    if (timer->running) {  
        printf("Ok:%d: %ld\n", id, (timer->total_time + (time(NULL) - timer->cur_time)) * 1000);  
    }  
    else {  
        printf("Ok:%d: %ld\n", id, timer->total_time * 1000);  
    }  
    return;  
}
```

```
int main(int argc, char **argv) {  
    sscanf(argv[1], "%d", &id);  
    void *context = zmq_ctx_new();  
    void *subscriber = zmq_socket(context, ZMQ_SUB);  
    zmq_connect(subscriber, "tcp://127.0.0.1:5555");  
    zmq_setsockopt(subscriber, ZMQ_SUBSCRIBE, "", 0);  
  
    char buffer[256];  
    char command[256];  
    char subcommand[256];  
    int arg1 = 0, arg2 = 0, k = 0, c = 0, val = 0;  
    pid_t id1;  
    while (1) {  
        memset(buffer, 0, sizeof(buffer));  
        memset(command, 0, sizeof(command));  
  
        zmq_recv(subscriber, buffer, sizeof(buffer), 0); // распаковываем сообщение в buffer  
        sscanf(buffer, "%s", command);
```

```

if (strcmp(command, "create") == 0){
    sscanf(buffer, "%*s %d %d", &arg1, &arg2);
    if (id == arg2){
        printf("Node %d: create child\n", id);
        pid_t id_child = fork();
        if (id_child == 0){
            char str1[sizeof(int)];
            sprintf(str1, "%d", arg1);
            execl("./user", "./user", str1, NULL);
            perror("execl");
        }
        printf("Ok: %d\n", id_child);
    }
}

else if (strcmp(command, "exec") == 0) {
    sscanf(buffer, "%*s %d %s", &arg1, subcommand);
    time_t t = time(NULL);
    if (id == arg1) {
        if (strcmp(subcommand, "time") == 0) {
            getTotalSumTimer(&myTimer);
        }
        else if (strcmp(subcommand, "start") == 0) {
            startTimer(&myTimer);
        }
        else if (strcmp(subcommand, "stop") == 0) {
            stopTimer(&myTimer);
        }
    }
}

```

```

    }

    else if (strcmp(command, "kill") == 0) {

        sscanf(buffer, "%*s %d", &arg1);

        if (id == arg1){

            printf("Node %d: has been killed\n", id);

            break;

        }

    }

}

zmq_close(subscriber);

zmq_ctx_destroy(context);
}

```

## **tree.h**

```

#include <stdio.h>

#include <stdbool.h>

#include <stdlib.h>

#include <unistd.h>

#include <stdint.h>

#include <time.h>

typedef struct TNode {

    int data;

    struct TNode *firstChild;

    struct TNode *nextBrother;

    bool exist;

} TNode;

TNode *createNode(int data) {

    TNode *newNode = (TNode *)malloc(sizeof(TNode));

```

```

if (newNode != NULL) {
    newNode->data = data;
    newNode->firstChild = NULL;
    newNode->nextBrother = NULL;
    newNode->exist = true;
}
return newNode;
}

void addChild(TNode *parent, int data) { // добавление дочернего узла
    TNode *newChild = createNode(data);
    if (newChild == NULL) {
        fprintf(stderr, "Failed to create a new child node.\n");
        return;
    }
    if (parent->firstChild == NULL) {
        parent->firstChild = newChild;
    } else {
        TNode *brother = parent->firstChild;
        while (brother->nextBrother != NULL) {
            brother = brother->nextBrother;
        }
        brother->nextBrother = newChild;
    }
}

TNode* find_node(TNode *root, int data) { // обход дерева
    if (root == NULL) {
        return NULL;
    }

```

```
}
```

```
if (root->data == data && root->exist == true) {  
    return root;  
}
```

```
TNode *found_in_child = find_node(root->firstChild, data);  
if (found_in_child != NULL) {  
    return found_in_child;  
}
```

```
return find_node(root->nextBrother, data);  
}
```

```
void Heartbit(TNode* root, int time) {  
    if (root != NULL) {  
        if (root->exist) {  
            sleep(time);  
            printf("Heartbit: node %d is fine\n", root->data);  
        }  
        else {  
            sleep(4*time);  
            printf("Heartbit: node %d is unavailable now\n", root->data);  
        }  
        Heartbit(root->firstChild, time);  
        Heartbit(root->nextBrother, time);  
    }  
}
```

```
void disableNode(TNode *node) { // рекурсивное убийство дочерних узлов
```

```

    if (node == NULL) {
        return;
    }
    node->exist = false;
    disableNode(node->firstChild);
    disableNode(node->nextBrother);
}

void disableOneNode(TNode *node) { // убийство родительского узла
    node->exist = false;
}

```

## Протокол работы программы

### Тестирование:

```

mattrixwsl@DESKTOP-HRTTO4C:/mnt/c/Users/Никита/Desktop/Projects/MAI8fac_OS/lab5-7/progra
ms$ ./server
create 5 -1
Ok: 103413
create 10 -1
Ok: 103422
create 6 5
Node 5: create child
Ok: 103439
create 9 10
Node 10: create child
Ok: 103473
ping 9
Ok: 1 // узел 9 доступен
kill 9
Node 9: has been killed
ping 9
Error: id not found
heartbit 2000
Heartbit: node -1 is fine
Heartbit: node 5 is fine
Heartbit: node 6 is fine
Heartbit: node 10 is fine
Heartbit: node 9 is unavailable now
exec 6 start

```

Ok:6  
exec time  
exec 6 time  
Ok:6: 12000  
exec 6 stop  
Ok:6  
exec 6 time  
Ok:6: 17000  
exec 5 start  
Ok:5  
exec 6 start  
Ok:6  
exec 5 time  
Ok:5: 9000  
exec 6 time  
Ok:6: 23000  
exec 5 stop  
Ok:5  
exec 6 stop  
Ok:6  
Node 5: has been killed  
Node 6: has been killed  
exec 5 start  
Error:id Not found

### **Strace:**

```
execve("./server", ["/server", "-f"], 0x7ffd0abe7ab8 /* 35 vars */) = 0
brk(NULL)                               = 0x558e7d35f000
arch_prctl(0x3001 /* ARCH_??? */, 0x7ffc1e19cdd0) = -1 EINVAL (Invalid argument)
mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7f01bed10000
access("/etc/ld.so.preload", R_OK)      = -1 ENOENT (No such file or directory)
openat(AT_FDCWD, "/etc/ld.so.cache", O_RDONLY|O_CLOEXEC) = 3
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=19739, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 19739, PROT_READ, MAP_PRIVATE, 3, 0) = 0x7f01bed0b000
close(3)                                 = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libzmq.so.5", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\240\233\1\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=634936, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 636784, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01bec6f000
mmap(0x7f01bec87000, 397312, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x18000) = 0x7f01bec87000
mmap(0x7f01bece8000, 106496, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x79000) = 0x7f01bece8000
mmap(0x7f01bed02000, 36864, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x92000) = 0x7f01bed02000
close(3)                                 = 0
```

```
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libc.so.6", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\3\0>\0\1\0\0\0P\237\2\0\0\0\0"..., 832) = 832
pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0@\0\0\0\0\0\0@\0\0\0\0\0\0"..., 784, 64) = 784
pread64(3, "\4\0\0\0\0\0\0\5\0\0\0GNU\0\2\0\0\300\4\0\0\0\3\0\0\0\0\0\0"..., 48, 848) = 48
pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\0\302\211\332Pq\2439\235\350\223\322\257\201\326\243\f"...,
68, 896) = 68
newfstatat(3, "", {st_mode=S_IFREG|0755, st_size=2220400, ...}, AT_EMPTY_PATH) = 0
pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0@\0\0\0\0\0\0@\0\0\0\0\0\0"..., 784, 64) = 784
mmap(NULL, 2264656, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01bea46000
mprotect(0x7f01bea6e000, 2023424, PROT_NONE) = 0
mmap(0x7f01bea6e000, 1658880, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x28000) = 0x7f01bea6e000
mmap(0x7f01bec03000, 360448, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x1bd000) = 0x7f01bec03000
mmap(0x7f01bec5c000, 24576, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x215000) = 0x7f01bec5c000
mmap(0x7f01bec62000, 52816, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x7f01bec62000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libbsd.so.0", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=89096, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 94432, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01bea2e000
mprotect(0x7f01bea32000, 69632, PROT_NONE) = 0
mmap(0x7f01bea32000, 53248, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x4000) = 0x7f01bea32000
mmap(0x7f01bea3f000, 12288, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x11000) = 0x7f01bea3f000
mmap(0x7f01bea43000, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x14000) = 0x7f01bea43000
mmap(0x7f01bea45000, 224, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x7f01bea45000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libsodium.so.23", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=355040, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 357440, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be9d6000
mprotect(0x7f01be9e2000, 303104, PROT_NONE) = 0
mmap(0x7f01be9e2000, 229376, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xc000) = 0x7f01be9e2000
mmap(0x7f01bea1a000, 69632, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x44000) = 0x7f01bea1a000
mmap(0x7f01bea2c000, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x55000) = 0x7f01bea2c000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libpgm-5.3.so.0", O_RDONLY|O_CLOEXEC) = 3
```



```
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\340L\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=310264, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 329808, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be985000
mmap(0x7f01be989000, 172032, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x4000) = 0x7f01be989000
mmap(0x7f01be9b3000, 118784, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x2e000) = 0x7f01be9b3000
mmap(0x7f01be9d0000, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x4a000) = 0x7f01be9d0000
mmap(0x7f01be9d2000, 14416, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x7f01be9d2000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libnorm.so.1", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\255\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=497824, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 1223168, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be85a000
mprotect(0x7f01be864000, 446464, PROT_NONE) = 0
mmap(0x7f01be864000, 286720, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xa000) = 0x7f01be864000
mmap(0x7f01be8aa000, 155648, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x50000) = 0x7f01be8aa000
mmap(0x7f01be8d1000, 16384, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x76000) = 0x7f01be8d1000
mmap(0x7f01be8d5000, 719360, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x7f01be8d5000
close(3) = 0
mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7f01be858000
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libgssapi_krb5.so.2", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=338648, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 340960, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be804000
mprotect(0x7f01be80f000, 282624, PROT_NONE) = 0
mmap(0x7f01be80f000, 229376, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xb000) = 0x7f01be80f000
mmap(0x7f01be847000, 49152, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x43000) = 0x7f01be847000
mmap(0x7f01be854000, 16384, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x4f000) = 0x7f01be854000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libstdc++.so.6", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=2260296, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 2275520, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be5d8000
mprotect(0x7f01be672000, 1576960, PROT_NONE) = 0
mmap(0x7f01be672000, 1118208, PROT_READ|PROT_EXEC,
```

```
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x9a000) = 0x7f01be672000
mmap(0x7f01be783000, 454656, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x1ab000) = 0x7f01be783000
mmap(0x7f01be7f3000, 57344, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x21a000) = 0x7f01be7f3000
mmap(0x7f01be801000, 10432, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x7f01be801000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libgcc_s.so.1", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=125488, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 127720, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be5b8000
mmap(0x7f01be5bb000, 94208, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x3000) = 0x7f01be5bb000
mmap(0x7f01be5d2000, 16384, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x1a000) = 0x7f01be5d2000
mmap(0x7f01be5d6000, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x1d000) = 0x7f01be5d6000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-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>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=47472, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 49384, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be5ab000
mmap(0x7f01be5ad000, 28672, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x2000) = 0x7f01be5ad000
mmap(0x7f01be5b4000, 8192, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x9000) = 0x7f01be5b4000
mmap(0x7f01be5b6000, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xa000) = 0x7f01be5b6000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libpthread.so.0", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=21448, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 16424, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be5a6000
mmap(0x7f01be5a7000, 4096, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x1000) = 0x7f01be5a7000
mmap(0x7f01be5a8000, 4096, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x2000) = 0x7f01be5a8000
mmap(0x7f01be5a9000, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x2000) = 0x7f01be5a9000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libm.so.6", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=940560, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 942344, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be4bf000
mmap(0x7f01be4cd000, 507904, PROT_READ|PROT_EXEC,
```

```
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xe000) = 0x7f01be4cd000
mmap(0x7f01be549000, 372736, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x8a000) = 0x7f01be549000
mmap(0x7f01be5a4000, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xe4000) = 0x7f01be5a4000
close(3) = 0
mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7f01be4bd000
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libkrb5.so.3", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=827936, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 830576, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be3f2000
mprotect(0x7f01be413000, 634880, PROT_NONE) = 0
mmap(0x7f01be413000, 380928, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x21000) = 0x7f01be413000
mmap(0x7f01be470000, 249856, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x7e000) = 0x7f01be470000
mmap(0x7f01be4ae000, 61440, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xbb000) = 0x7f01be4ae000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libk5crypto.so.3", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=182864, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 188472, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be3c3000
mprotect(0x7f01be3c7000, 163840, PROT_NONE) = 0
mmap(0x7f01be3c7000, 110592, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x4000) = 0x7f01be3c7000
mmap(0x7f01be3e2000, 49152, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x1f000) = 0x7f01be3e2000
mmap(0x7f01be3ef000, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x2b000) = 0x7f01be3ef000
mmap(0x7f01be3f1000, 56, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x7f01be3f1000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libcom_err.so.2", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=18504, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 20552, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be3bd000
mmap(0x7f01be3bf000, 4096, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x2000) = 0x7f01be3bf000
mmap(0x7f01be3c0000, 4096, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x3000) = 0x7f01be3c0000
mmap(0x7f01be3c1000, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x3000) = 0x7f01be3c1000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libkrb5support.so.0", O_RDONLY|O_CLOEXEC) = 3
```

```
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=52016, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 54224, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be3af000
mprotect(0x7f01be3b2000, 36864, PROT_NONE) = 0
mmap(0x7f01be3b2000, 24576, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x3000) = 0x7f01be3b2000
mmap(0x7f01be3b8000, 8192, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x9000) = 0x7f01be3b8000
mmap(0x7f01be3bb000, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xb000) = 0x7f01be3bb000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libkeyutils.so.1", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=22600, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 24592, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be3a8000
mmap(0x7f01be3aa000, 8192, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x2000) = 0x7f01be3aa000
mmap(0x7f01be3ac000, 4096, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0x4000) = 0x7f01be3ac000
mmap(0x7f01be3ad000, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x4000) = 0x7f01be3ad000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libresolv.so.2", O_RDONLY|O_CLOEXEC) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0"..., 832) = 832
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=68552, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7f01be3a6000
mmap(NULL, 80456, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f01be392000
mmap(0x7f01be395000, 40960, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x3000) = 0x7f01be395000
mmap(0x7f01be39f000, 12288, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3,
0xd000) = 0x7f01be39f000
mmap(0x7f01be3a2000, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xf000) = 0x7f01be3a2000
mmap(0x7f01be3a4000, 6728, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x7f01be3a4000
close(3) = 0
mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7f01be390000
mmap(NULL, 12288, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7f01be38d000
arch_prctl(ARCH_SET_FS, 0x7f01be38d9c0) = 0
set_tid_address(0x7f01be38dc90) = 131424
set_robust_list(0x7f01be38dca0, 24) = 0
rseq(0x7f01be38e360, 0x20, 0, 0x53053053) = 0
mprotect(0x7f01bec5c000, 16384, PROT_READ) = 0
```

```

mprotect(0x7f01be3a2000, 4096, PROT_READ) = 0
mprotect(0x7f01be3ad000, 4096, PROT_READ) = 0
mprotect(0x7f01be3bb000, 4096, PROT_READ) = 0
mprotect(0x7f01be3c1000, 4096, PROT_READ) = 0
mprotect(0x7f01be3ef000, 4096, PROT_READ) = 0
mprotect(0x7f01be4ae000, 53248, PROT_READ) = 0
mprotect(0x7f01be5a4000, 4096, PROT_READ) = 0
mprotect(0x7f01be5a9000, 4096, PROT_READ) = 0
mprotect(0x7f01be5b6000, 4096, PROT_READ) = 0
mprotect(0x7f01be5d6000, 4096, PROT_READ) = 0
mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x7f01be38b000
mprotect(0x7f01be7f3000, 45056, PROT_READ) = 0
mprotect(0x7f01be854000, 8192, PROT_READ) = 0
mprotect(0x7f01be8d1000, 12288, PROT_READ) = 0
mprotect(0x7f01be9d0000, 4096, PROT_READ) = 0
mprotect(0x7f01bea2c000, 4096, PROT_READ) = 0
mprotect(0x7f01bea43000, 4096, PROT_READ) = 0
mprotect(0x7f01bed02000, 32768, PROT_READ) = 0
mprotect(0x558e7bc21000, 4096, PROT_READ) = 0
mprotect(0x7f01bed4a000, 8192, PROT_READ) = 0
prlimit64(0, RLIMIT_STACK, NULL, {rlim_cur=8192*1024, rlim_max=RLIM64_INFINITY}) = 0
munmap(0x7f01bed0b000, 19739) = 0
getrandom("\x5b\x71\x96\xf8\xfc\x9b\x6f\x1d", 8, GRND_NONBLOCK) = 8
brk(NULL) = 0x558e7d35f000
brk(0x558e7d380000) = 0x558e7d380000
openat(AT_FDCWD, "/sys/devices/system/cpu/online", O_RDONLY|O_CLOEXEC) = 3
read(3, "0-15\n", 1024) = 5
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, 0x558e7d370ee0 /* 32 entries */, 32768) = 936
getdents64(3, 0x558e7d370ee0 /* 0 entries */, 32768) = 0
close(3) = 0
getpid() = 131424
sched_getaffinity(131424, 128, [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15]) = 32
newfstatat(AT_FDCWD, "/etc/nsswitch.conf", {st_mode=S_IFREG|0644, st_size=510, ...}, 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=510, ...}, AT_EMPTY_PATH) = 0
read(3, "# /etc/nsswitch.conf\n#\n# Example"..., 4096) = 510
read(3, "", 4096) = 0
newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=510, ...}, 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=19739, ...}, AT_EMPTY_PATH) = 0
mmap(NULL, 19739, PROT_READ, MAP_PRIVATE, 3, 0) = 0x7f01bed0b000
close(3) = 0
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/glibc-hwcaps/x86-64-v3/libnss_db.so.2",
O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
newfstatat(AT_FDCWD, "/lib/x86_64-linux-gnu/glibc-hwcaps/x86-64-v3", 0x7ffc1e199d10, 0) = -1
ENOENT (No such file or directory)
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/glibc-hwcaps/x86-64-v2/libnss_db.so.2",
O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
newfstatat(AT_FDCWD, "/lib/x86_64-linux-gnu/glibc-hwcaps/x86-64-v2", 0x7ffc1e199d10, 0) = -1
ENOENT (No such file or directory)
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/tls/haswell/x86_64/libnss_db.so.2",
O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
newfstatat(AT_FDCWD, "/lib/x86_64-linux-gnu/tls/haswell/x86_64", 0x7ffc1e199d10, 0) = -1 ENOENT
(No such file or directory)
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/tls/haswell/libnss_db.so.2", O_RDONLY|O_CLOEXEC) =
-1 ENOENT (No such file or directory)
newfstatat(AT_FDCWD, "/lib/x86_64-linux-gnu/tls/haswell", 0x7ffc1e199d10, 0) = -1 ENOENT (No
such
file or directory)
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/tls/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) =
-1 ENOENT (No such file or directory)
newfstatat(AT_FDCWD, "/lib/x86_64-linux-gnu/tls/x86_64", 0x7ffc1e199d10, 0) = -1 ENOENT (No
such
file or directory)
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/tls/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1
ENOENT (No such file or directory)
newfstatat(AT_FDCWD, "/lib/x86_64-linux-gnu/tls", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file or
directory)
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/haswell/x86_64/libnss_db.so.2",
O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
newfstatat(AT_FDCWD, "/lib/x86_64-linux-gnu/haswell/x86_64", 0x7ffc1e199d10, 0) = -1 ENOENT
(No
such file or directory)
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/haswell/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1
ENOENT (No such file or directory)
newfstatat(AT_FDCWD, "/lib/x86_64-linux-gnu/haswell", 0x7ffc1e199d10, 0) = -1 ENOENT (No such
file or directory)
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/x86_64/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1
ENOENT (No such file or directory)
newfstatat(AT_FDCWD, "/lib/x86_64-linux-gnu/x86_64", 0x7ffc1e199d10, 0) = -1 ENOENT (No such
file or directory)
openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1
ENOENT
(No such file or directory)
newfstatat(AT_FDCWD, "/lib/x86_64-linux-gnu", {st_mode=S_IFDIR|0755, st_size=24576, ...}, 0) = 0
openat(AT_FDCWD, "/usr/lib/x86_64-linux-gnu/glibc-hwcaps/x86-64-v3/libnss_db.so.2",
O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)

```

newfstatat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/glibc-hwcap/x86-64-v3", 0x7ffc1e199d10, 0) = -1  
ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/glibc-hwcap/x86-64-v2/libnss\_db.so.2",  
O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/glibc-hwcap/x86-64-v2", 0x7ffc1e199d10, 0) = -1  
ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/tls/haswell/x86\_64/libnss\_db.so.2",  
O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/tls/haswell/x86\_64", 0x7ffc1e199d10, 0) = -1  
ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/tls/haswell/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC)  
= -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/tls/haswell", 0x7ffc1e199d10, 0) = -1 ENOENT (No  
such file or directory)

openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/tls/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC)  
= -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/tls/x86\_64", 0x7ffc1e199d10, 0) = -1 ENOENT (No  
such file or directory)

openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/tls/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1  
ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/tls", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file  
or directory)

openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/haswell/x86\_64/libnss\_db.so.2",  
O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/haswell/x86\_64", 0x7ffc1e199d10, 0) = -1 ENOENT  
(No such file or directory)

openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/haswell/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) =  
-1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/haswell", 0x7ffc1e199d10, 0) = -1 ENOENT (No  
such file or directory)

openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) =  
-1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/x86\_64", 0x7ffc1e199d10, 0) = -1 ENOENT (No  
such file or directory)

openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1  
ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu", {st\_mode=S\_IFDIR|0755, st\_size=24576, ...}, 0) =  
0

openat(AT\_FDCWD, "/lib/glibc-hwcap/x86-64-v3/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1  
ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/lib/glibc-hwcap/x86-64-v3", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file  
or directory)

openat(AT\_FDCWD, "/lib/glibc-hwcap/x86-64-v2/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1  
ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/lib/glibc-hwcap/x86-64-v2", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file  
or directory)

openat(AT\_FDCWD, "/lib/tls/haswell/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1  
ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/lib/tls/haswell/x86\_64", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file or  
directory)

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

newfstatat(AT\_FDCWD, "/lib/tls/haswell", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/lib/tls/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No  
such file or directory)

newfstatat(AT\_FDCWD, "/lib/tls/x86\_64", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file or directory)

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

newfstatat(AT\_FDCWD, "/lib/tls", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/lib/haswell/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT  
(No such file or directory)

newfstatat(AT\_FDCWD, "/lib/haswell/x86\_64", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file or  
directory)

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

newfstatat(AT\_FDCWD, "/lib/haswell", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/lib/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such  
file or directory)

newfstatat(AT\_FDCWD, "/lib/x86\_64", 0x7ffc1e199d10, 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/glibc-hwcaps/x86-64-v3/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1  
ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/glibc-hwcaps/x86-64-v3", 0x7ffc1e199d10, 0) = -1 ENOENT (No such  
file or directory)

openat(AT\_FDCWD, "/usr/lib/glibc-hwcaps/x86-64-v2/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1  
ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/glibc-hwcaps/x86-64-v2", 0x7ffc1e199d10, 0) = -1 ENOENT (No such  
file or directory)

openat(AT\_FDCWD, "/usr/lib/tls/haswell/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1  
ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/tls/haswell/x86\_64", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file  
or  
directory)

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

newfstatat(AT\_FDCWD, "/usr/lib/tls/haswell", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file or  
directory)

openat(AT\_FDCWD, "/usr/lib/tls/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT  
(No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/tls/x86\_64", 0x7ffc1e199d10, 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", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/haswell/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/haswell/x86\_64", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file or directory)

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

newfstatat(AT\_FDCWD, "/usr/lib/haswell", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/x86\_64/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

newfstatat(AT\_FDCWD, "/usr/lib/x86\_64", 0x7ffc1e199d10, 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(0x7f01bed0b000, 19739) = 0

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

newfstatat(3, "", {st\_mode=S\_IFREG|0644, st\_size=19739, ...}, AT\_EMPTY\_PATH) = 0

mmap(NULL, 19739, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7f01bed0b000

close(3) = 0

openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libnss\_db-2.35.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/usr/lib/x86\_64-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(0x7f01bed0b000, 19739) = 0

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

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

lseek(3, 0, SEEK\_SET) = 0

read(3, "# Internet (IP) protocols\n#\n# Up"..., 4096) = 2932

read(3, "", 4096) = 0

close(3) = 0

eventfd2(0, EFD\_CLOEXEC) = 3

fcntl(3, F\_GETFL) = 0x2 (flags O\_RDONLY)

fcntl(3, F\_SETFL, O\_RDONLY|O\_NONBLOCK) = 0

fcntl(3, F\_GETFL) = 0x802 (flags O\_RDONLY|O\_NONBLOCK)

fcntl(3, F\_SETFL, O\_RDONLY|O\_NONBLOCK) = 0

getpid() = 131424

getpid() = 131424

getrandom("\xa6\xcb\x1c\x96\xbc\xfd\x7f\x92\x2a\x8d\xa0\x6e\x97\x0e\x06\x67", 16, 0) = 16

getrandom("\x1c\xb2\xeb\x1a\x34\x05\xe9\x64\x11\x12\x50\x0f\xce\xfb\xbe\xed", 16, 0) = 16

```

eventfd2(0, EFD_CLOEXEC)          = 4
fcntl(4, F_GETFL)                  = 0x2 (flags O_RDONLY)
fcntl(4, F_SETFL, O_RDONLY|O_NONBLOCK) = 0
fcntl(4, F_GETFL)                  = 0x802 (flags O_RDONLY|O_NONBLOCK)
fcntl(4, F_SETFL, O_RDONLY|O_NONBLOCK) = 0
getpid()                           = 131424
epoll_create1(EPoll_CLOEXEC)      = 5
epoll_ctl(5, EPOLL_CTL_ADD, 4, {events=0, data={u32=2100761184, u64=94070474478176}}) = 0
epoll_ctl(5, EPOLL_CTL_MOD, 4, {events=EPOLLIN, data={u32=2100761184,
u64=94070474478176}}) = 0
getpid()                           = 131424
rt_sigaction(SIGRT_1, {sa_handler=0x7f01bead7870, sa_mask=[],
sa_flags=SA_RESTORER|SA_ONSTACK|SA_RESTART|SA_SIGINFO, sa_restorer=0x7f01bea88520},
NULL, 8) = 0
rt_sigprocmask(SIG_UNBLOCK, [RTMIN RT_1], NULL, 8) = 0
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f01bdb8a000
mprotect(0x7f01bdb8b000, 8388608, PROT_READ|PROT_WRITE) = 0
rt_sigprocmask(SIG_BLOCK, ~[], [], 8) = 0
clone3({flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLON
E_SYSVSEM|CLONE_SETTLS|CLONE_PARENT_SETTID|CLONE_CHILD_CLEARTID,
child_tid=0x7f01be38a910, parent_tid=0x7f01be38a910, exit_signal=0, stack=0x7f01bdb8a000,
stack_size=0x7ffc80, tls=0x7f01be38a640} => {parent_tid=[131425]}, 88) = 131425
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
eventfd2(0, EFD_CLOEXEC)          = 6
fcntl(6, F_GETFL)                  = 0x2 (flags O_RDONLY)
fcntl(6, F_SETFL, O_RDONLY|O_NONBLOCK) = 0
fcntl(6, F_GETFL)                  = 0x802 (flags O_RDONLY|O_NONBLOCK)
fcntl(6, F_SETFL, O_RDONLY|O_NONBLOCK) = 0
getpid()                           = 131424
epoll_create1(EPoll_CLOEXEC)      = 7
epoll_ctl(7, EPOLL_CTL_ADD, 6, {events=0, data={u32=2100781664, u64=94070474498656}}) = 0
epoll_ctl(7, EPOLL_CTL_MOD, 6, {events=EPOLLIN, data={u32=2100781664,
u64=94070474498656}}) = 0
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f01bd389000
mprotect(0x7f01bd38a000, 8388608, PROT_READ|PROT_WRITE) = 0
rt_sigprocmask(SIG_BLOCK, ~[], [], 8) = 0
clone3({flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLON
E_SYSVSEM|CLONE_SETTLS|CLONE_PARENT_SETTID|CLONE_CHILD_CLEARTID,
child_tid=0x7f01bdb89910, parent_tid=0x7f01bdb89910, exit_signal=0, stack=0x7f01bd389000,
stack_size=0x7ffc80, tls=0x7f01bdb89640} => {parent_tid=[131426]}, 88) = 131426
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
eventfd2(0, EFD_CLOEXEC)          = 8
fcntl(8, F_GETFL)                  = 0x2 (flags O_RDONLY)

```

```

fcntl(8, F_SETFL, O_RDWR|O_NONBLOCK) = 0
fcntl(8, F_GETFL) = 0x802 (flags O_RDWR|O_NONBLOCK)
fcntl(8, F_SETFL, O_RDWR|O_NONBLOCK) = 0
getpid() = 131424
getpid() = 131424
poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)
socket(AF_NETLINK, SOCK_RAW|SOCK_CLOEXEC, NETLINK_ROUTE) = 9
bind(9, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12) = 0
getsockname(9, {sa_family=AF_NETLINK, nl_pid=131424, nl_groups=00000000}, [12]) = 0

sendto(9, [{nlmsg_len=20, nlmsg_type=RTM_GETLINK, nlmsg_flags=NLM_F_REQUEST|NLM_F_DUMP, nlmsg_seq=1709268905, nlmsg_pid=0}, {ifi_family=AF_UNSPEC, ...}], 20, 0, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, 12) = 20

recvmsg(9, {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000}, msg_namelen=12, msg_iov=[{iov_base=[{nlmsg_len=1336, nlmsg_type=RTM_NEWLINK, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1709268905, nlmsg_pid=131424}, {ifi_family=AF_UNSPEC, ifi_type=ARPHRD_LOOPBACK, ifi_index=if_nametoindex("lo"), ifi_flags=IFF_UP|IFF_LOOPBACK|IFF_RUNNING|IFF_LOWER_UP, ifi_change=0}, [{nla_len=7, nla_type=IFLA_IFNAME}, "lo"], [{nla_len=8, nla_type=IFLA_TXQLEN}, 1000], [{nla_len=5, nla_type=IFLA_OPERSTATE}, 0], [{nla_len=5, nla_type=IFLA_LINKMODE}, 0], [{nla_len=8, nla_type=IFLA_MTU}, 65536], [{nla_len=8, nla_type=IFLA_MIN_MTU}, 0], [{nla_len=8, nla_type=IFLA_MAX_MTU}, 0], [{nla_len=8, nla_type=IFLA_GROUP}, 0], [{nla_len=8, nla_type=IFLA_PROMISCUITY}, 0], [{nla_len=8, nla_type=IFLA_NUM_TX_QUEUES}, 1], [{nla_len=8, nla_type=IFLA_GSO_MAX_SEGS}, 65535], [{nla_len=8, nla_type=IFLA_GSO_MAX_SIZE}, 65536], [{nla_len=8, nla_type=IFLA_NUM_RX_QUEUES}, 1], [{nla_len=5, nla_type=IFLA_CARRIER}, 1], [{nla_len=12, nla_type=IFLA_QDISC}, "noqueue"], [{nla_len=8, nla_type=IFLA_CARRIER_CHANGES}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_UP_COUNT}, 0], [{nla_len=8, nla_type=IFLA_CARRIER_DOWN_COUNT}, 0], [{nla_len=5, nla_type=IFLA_PROTO_DOWN}, 0], [{nla_len=36, nla_type=IFLA_MAP}, {mem_start=0, mem_end=0, base_addr=0, irq=0, dma=0, port=0}], [{nla_len=10, nla_type=IFLA_ADDRESS}, 00:00:00:00:00:00], [{nla_len=10, nla_type=IFLA_BROADCAST}, 00:00:00:00:00:00], [{nla_len=196, nla_type=IFLA_STATS64}, {rx_packets=213128, tx_packets=213128, rx_bytes=491245870, tx_bytes=491245870, 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=213128, tx_packets=213128, rx_bytes=491245870, tx_bytes=491245870, 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=780, nla_type=IFLA_AF_SPEC}, [{nla_len=136, nla_type=AF_INET}, [{nla_len=132, nla_type=IFLA_INET_CONF}, [[IPV4_DEVCONF_FORWARDING-1] = 0, [IPV4_DEVCONF_MC_FORWARDING-1] = 0, [IPV4_DEVCONF_PROXY_ARP-1] = 0, [IPV4_DEVCONF_ACCEPT_REDIRECTS-1] = 1, [IPV4_DEVCONF_SECURE_REDIRECTS-1] = 1, [IPV4_DEVCONF_SEND_REDIRECTS-1] = 1, [IPV4_DEVCONF_SHARED_MEDIA-1] = 1, [IPV4_DEVCONF_RP_FILTER-1] = 2, [IPV4_DEVCONF_ACCEPT_SOURCE_ROUTE-1] = 0, [IPV4_DEVCONF_BOOTP_RELAY-1] = 0, [IPV4_DEVCONF_LOG_MARTIANS-1] = 0, [IPV4_DEVCONF_TAG-1] = 0, [IPV4_DEVCONF_ARPFILTER-1] = 0, [IPV4_DEVCONF_MEDIUM_ID-1] = 0, [IPV4_DEVCONF_NOXFRM-1] = 1, [IPV4_DEVCONF_NOPOLICY-1] = 1, [IPV4_DEVCONF_FORCE_IGMP_VERSION-1] = 0,

```

[IPV4\_DEVCONF\_ARP\_ANNOUNCE-1] = 0, [IPV4\_DEVCONF\_ARP\_IGNORE-1] = 0,  
[IPV4\_DEVCONF\_PROMOTE\_SECONDARIES-1] = 1, [IPV4\_DEVCONF\_ARP\_ACCEPT-1] = 0,  
[IPV4\_DEVCONF\_ARP\_NOTIFY-1] = 0, [IPV4\_DEVCONF\_ACCEPT\_LOCAL-1] = 0,  
[IPV4\_DEVCONF\_SRC\_VMARK-1] = 0, [IPV4\_DEVCONF\_PROXY\_ARP\_PVLAN-1] = 0,  
[IPV4\_DEVCONF\_ROUTE\_LOCALNET-1] = 0,  
[IPV4\_DEVCONF\_IGMPV2\_UNSOLICITED\_REPORT\_INTERVAL-1] = 10000,  
[IPV4\_DEVCONF\_IGMPV3\_UNSOLICITED\_REPORT\_INTERVAL-1] = 1000,  
[IPV4\_DEVCONF\_IGNORE\_ROUTES\_WITH\_LINKDOWN-1] = 0,  
[IPV4\_DEVCONF\_DROP\_UNICAST\_IN\_L2\_MULTICAST-1] = 0,  
[IPV4\_DEVCONF\_DROP\_GRATUITOUS\_ARP-1] = 0, [IPV4\_DEVCONF\_BC\_FORWARDING-1] =  
0]], [{nla\_len=640, 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=44,  
reachable\_time=20270, retrans\_time=1000}], [{nla\_len=228, 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] = 0,  
[DEVCONF\_RTR\_PROBE\_INTERVAL] = 0, [DEVCONF\_ACCEPT\_RA\_RT\_INFO\_MAX\_PLEN] = 0,  
[DEVCONF\_PROXY\_NDP] = 0, [DEVCONF\_OPTIMISTIC\_DAD] = 0,  
[DEVCONF\_ACCEPT\_SOURCE\_ROUTE] = 0, [DEVCONF\_MC\_FORWARDING] = 0,  
[DEVCONF\_DISABLE\_IPV6] = 0, [DEVCONF\_ACCEPT\_DAD] = -1, [DEVCONF\_FORCE\_TLLAO]  
= 0, [DEVCONF\_NDISC\_NOTIFY] = 0, [DEVCONF\_MLDV1\_UNSOLICITED\_REPORT\_INTERVAL]  
= 10000, [DEVCONF\_MLDV2\_UNSOLICITED\_REPORT\_INTERVAL] = 1000, ...], [{nla\_len=300,  
nla\_type=IFLA\_INET6\_STATS}, [[IPSTATS\_MIB\_NUM] = 37, [IPSTATS\_MIB\_INPKTS] = 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=52, nla\_type=IFLA\_INET6\_ICMP6STATS},  
[[ICMP6\_MIB\_NUM] = 6, [ICMP6\_MIB\_INMSGs] = 0, [ICMP6\_MIB\_INERRORS] = 0,  
[ICMP6\_MIB\_OUTMSGs] = 0, [ICMP6\_MIB\_OUTERRORS] = 0, [ICMP6\_MIB\_CSUMERRORS] =  
0]], [{nla\_len=20, nla\_type=IFLA\_INET6\_TOKEN}, inet\_pton(AF\_INET6, "::"), [{nla\_len=5,  
nla\_type=IFLA\_INET6\_ADDR\_GEN\_MODE}, IN6\_ADDR\_GEN\_MODE\_EUI64]]],  
[{nlmsg\_len=1404, nlmsg\_type=RTM\_NEWLINK, nlmsg\_flags=NLM\_F\_MULTI,  
nlmsg\_seq=1709268905, nlmsg\_pid=131424}, {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}, 1000], [{nla\_len=5, nla\_type=IFLA\_OPERSTATE}, 6], [{nla\_len=5,  
nla\_type=IFLA\_LINKMODE}, 0], [{nla\_len=8, nla\_type=IFLA\_MTU}, 1500], [{nla\_len=8,

nla\_type=IFLA\_MIN\_MTU}, 68], [{nla\_len=8, nla\_type=IFLA\_MAX\_MTU}, 65521], [{nla\_len=8, nla\_type=IFLA\_GROUP}, 0], [{nla\_len=8, nla\_type=IFLA\_PROMISCUITY}, 0], [{nla\_len=8, nla\_type=IFLA\_NUM\_TX\_QUEUES}, 64], [{nla\_len=8, nla\_type=IFLA\_GSO\_MAX\_SEGS}, 65535], [{nla\_len=8, nla\_type=IFLA\_GSO\_MAX\_SIZE}, 62780], [{nla\_len=8, nla\_type=IFLA\_NUM\_RX\_QUEUES}, 64], [{nla\_len=5, nla\_type=IFLA\_CARRIER}, 1], [{nla\_len=7, nla\_type=IFLA\_QDISC}, "mq"], [{nla\_len=8, nla\_type=IFLA\_CARRIER\_CHANGES}, 1], [{nla\_len=8, nla\_type=IFLA\_CARRIER\_UP\_COUNT}, 1], [{nla\_len=8, nla\_type=IFLA\_CARRIER\_DOWN\_COUNT}, 0], [{nla\_len=5, nla\_type=IFLA\_PROTO\_DOWN}, 0], [{nla\_len=36, nla\_type=IFLA\_MAP}, {mem\_start=0, mem\_end=0, base\_addr=0, irq=0, dma=0, port=0}], [{nla\_len=10, nla\_type=IFLA\_ADDRESS}, 00:15:5d:6e:81:5d], [{nla\_len=10, nla\_type=IFLA\_BROADCAST}, ff:ff:ff:ff:ff:ff], [{nla\_len=196, nla\_type=IFLA\_STATS64}, {rx\_packets=15816, tx\_packets=10540, rx\_bytes=22736340, tx\_bytes=3646286, rx\_errors=0, tx\_errors=0, rx\_dropped=0, tx\_dropped=0, multicast=3666, 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=15816, tx\_packets=10540, rx\_bytes=22736340, tx\_bytes=3646286, rx\_errors=0, tx\_errors=0, rx\_dropped=0, tx\_dropped=0, multicast=3666, collisions=0, rx\_length\_errors=0, rx\_over\_errors=0, rx\_crc\_errors=0, rx\_frame\_errors=0, rx\_fifo\_errors=0, rx\_missed\_errors=0, tx\_aborted\_errors=0, tx\_carrier\_errors=0, tx\_fifo\_errors=0, tx\_heartbeat\_errors=0, tx\_window\_errors=0, rx\_compressed=0, tx\_compressed=0, rx\_nohandler=0}], [{nla\_len=12, nla\_type=IFLA\_XDP}, [{nla\_len=5, nla\_type=IFLA\_XDP\_ATTACHED}, XDP\_ATTACHED\_NONE]], [{nla\_len=10, nla\_type=IFLA\_PERM\_ADDRESS}, 00:15:5d:6e:81:5d], [{nla\_len=780, nla\_type=IFLA\_AF\_SPEC}, [{nla\_len=136, nla\_type=AF\_INET}, [{nla\_len=132, nla\_type=IFLA\_INET\_CONF}, [[IPV4\_DEVCONF\_FORWARDING-1] = 0, [IPV4\_DEVCONF\_MC\_FORWARDING-1] = 0, [IPV4\_DEVCONF\_PROXY\_ARP-1] = 0, [IPV4\_DEVCONF\_ACCEPT\_REDIRECTS-1] = 1, [IPV4\_DEVCONF\_SECURE\_REDIRECTS-1] = 1, [IPV4\_DEVCONF\_SEND\_REDIRECTS-1] = 1, [IPV4\_DEVCONF\_SHARED\_MEDIA-1] = 1, [IPV4\_DEVCONF\_RP\_FILTER-1] = 2, [IPV4\_DEVCONF\_ACCEPT\_SOURCE\_ROUTE-1] = 0, [IPV4\_DEVCONF\_BOOTP\_RELAY-1] = 0, [IPV4\_DEVCONF\_LOG\_MARTIANS-1] = 0, [IPV4\_DEVCONF\_TAG-1] = 0, [IPV4\_DEVCONF\_ARPFILTER-1] = 0, [IPV4\_DEVCONF\_MEDIUM\_ID-1] = 0, [IPV4\_DEVCONF\_NOXFRM-1] = 0, [IPV4\_DEVCONF\_NOPOLICY-1] = 0, [IPV4\_DEVCONF\_FORCE\_IGMP\_VERSION-1] = 0, [IPV4\_DEVCONF\_ARP\_ANNOUNCE-1] = 0, [IPV4\_DEVCONF\_ARP\_IGNORE-1] = 0, [IPV4\_DEVCONF\_PROMOTE\_SECONDARIES-1] = 1, [IPV4\_DEVCONF\_ARP\_ACCEPT-1] = 0, [IPV4\_DEVCONF\_ARP\_NOTIFY-1] = 0, [IPV4\_DEVCONF\_ACCEPT\_LOCAL-1] = 0, [IPV4\_DEVCONF\_SRC\_VMARK-1] = 0, [IPV4\_DEVCONF\_PROXY\_ARP\_PVLAN-1] = 0, [IPV4\_DEVCONF\_ROUTE\_LOCALNET-1] = 0, [IPV4\_DEVCONF\_IGMPV2\_UNSOLICITED\_REPORT\_INTERVAL-1] = 10000, [IPV4\_DEVCONF\_IGMPV3\_UNSOLICITED\_REPORT\_INTERVAL-1] = 1000, [IPV4\_DEVCONF\_IGNORE\_ROUTES\_WITH\_LINKDOWN-1] = 0, [IPV4\_DEVCONF\_DROP\_UNICAST\_IN\_L2\_MULTICAST-1] = 0, [IPV4\_DEVCONF\_DROP\_GRATUITOUS\_ARP-1] = 0, [IPV4\_DEVCONF\_BC\_FORWARDING-1] = 0]]], [{nla\_len=640, nla\_type=AF\_INET6}, [{nla\_len=8, nla\_type=IFLA\_INET6\_FLAGS}, IF\_RS\_SENT|IF\_READY], [{nla\_len=20, nla\_type=IFLA\_INET6\_CACHEINFO}, {max\_reasm\_len=65535, tstamp=61, reachable\_time=40530, retrans\_time=1000}], [{nla\_len=228, nla\_type=IFLA\_INET6\_CONF}, [[DEVCONF\_FORWARDING] = 0, [DEVCONF\_HOPLIMIT] = 64, [DEVCONF\_MTU6] = 1500, [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] = 0, [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] = 0, [DEVCONF\_RTR\_PROBE\_INTERVAL] = 0,

```
[DEVCONF_ACCEPT_RA_RT_INFO_MAX_PLEN] = 0, [DEVCONF_PROXY_NDP] = 0,
[DEVCONF_OPTIMISTIC_DAD] = 0, [DEVCONF_ACCEPT_SOURCE_ROUTE] = 0,
[DEVCONF_MC_FORWARDING] = 0, [DEVCONF_DISABLE_IPV6] = 0,
[DEVCONF_ACCEPT_DAD] = 1, [DEVCONF_FORCE_TLLAO] = 0, [DEVCONF_NDISC_NOTIFY]
= 0, [DEVCONF_MLDV1_UNSOLICITED_REPORT_INTERVAL] = 10000,
[DEVCONF_MLDV2_UNSOLICITED_REPORT_INTERVAL] = 1000, ...]], [{nla_len=300,
nla_type=IFLA_INET6_STATS}, [[IPSTATS_MIB_NUM] = 37, [IPSTATS_MIB_INPKTS] = 703,
[IPSTATS_MIB_INOCTETS] = 114914, [IPSTATS_MIB_INDELIVERS] = 0,
[IPSTATS_MIB_OUTFORWDATAGRAMS] = 0, [IPSTATS_MIB_OUTPKTS] = 25,
[IPSTATS_MIB_OUTOCTETS] = 1496, [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] = 703, [IPSTATS_MIB_OUTMCASTPKTS] = 25,
[IPSTATS_MIB_INBCASTPKTS] = 0, [IPSTATS_MIB_OUTBCASTPKTS] = 0,
[IPSTATS_MIB_INMCASTOCTETS] = 114914, [IPSTATS_MIB_OUTMCASTOCTETS] = 1496,
[IPSTATS_MIB_INBCASTOCTETS] = 0, [IPSTATS_MIB_OUTBCASTOCTETS] = 0,
[IPSTATS_MIB_CSUMERRORS] = 0, ...]], [{nla_len=52, nla_type=IFLA_INET6_ICMP6STATS},
[[ICMP6_MIB_NUM] = 6, [ICMP6_MIB_INMSGs] = 0, [ICMP6_MIB_INERRORS] = 0,
[ICMP6_MIB_OUTMSGs] = 25, [ICMP6_MIB_OUTERRORS] = 0, [ICMP6_MIB_CSUMERRORS] =
0]], [{nla_len=20, nla_type=IFLA_INET6_TOKEN}, inet_pton(AF_INET6, "::")], [{nla_len=5,
nla_type=IFLA_INET6_ADDR_GEN_MODE}, IN6_ADDR_GEN_MODE_EUI64]]], [{nla_len=41,
nla_type=IFLA_PARENT_DEV_NAME}, "f523660e-b63b-4767-8f10-9894abca"...], [{nla_len=10,
nla_type=IFLA_PARENT_DEV_BUS_NAME}, "vmbus"]], iov_len=4096}, msg_iovlen=1,
msg_controllen=0, msg_flags=0}, 0) = 2740
```

```
recvmsg(9, {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=1709268905, nlmsg_pid=131424}, 0], iov_len=4096}],
msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 20
```

```
sendto(9, [{nlmsg_len=20, nlmsg_type=RTM_GETADDR,
nlmsg_flags=NLM_F_REQUEST|NLM_F_DUMP, nlmsg_seq=1709268906, nlmsg_pid=0},
{ifa_family=AF_UNSPEC, ...}], 20, 0, {sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000},
12) = 20
```

```
recvmsg(9, {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000},
msg_namelen=12, msg_iov=[{iov_base=[{nlmsg_len=76, nlmsg_type=RTM_NEWADDR,
nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1709268906, nlmsg_pid=131424}, {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_preferred=4294967295, ifa_valid=4294967295, cstamp=44,
tstamp=44}]]], [{nlmsg_len=88, nlmsg_type=RTM_NEWADDR, nlmsg_flags=NLM_F_MULTI,
nlmsg_seq=1709268906, nlmsg_pid=131424}, {ifa_family=AF_INET, ifa_prefixlen=20,
ifa_flags=IFA_F_PERMANENT, ifa_scope=RT_SCOPE_UNIVERSE,
ifa_index=if_nametoindex("eth0")}, [{nla_len=8, nla_type=IFA_ADDRESS},
inet_addr("172.28.132.59")], [{nla_len=8, nla_type=IFA_LOCAL}, inet_addr("172.28.132.59")],
[{nla_len=8, nla_type=IFA_BROADCAST}, inet_addr("172.28.143.255")], [{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=61, tstamp=61}]], iov_len=4096}], msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 164
```

```
recvmsg(9, {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000},
msg_namelen=12, msg_iov=[{iov_base=[{nlmsg_len=72, nlmsg_type=RTM_NEWADDR,
nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1709268906, nlmsg_pid=131424},
{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=44,
tstamp=44}], [{nla_len=8, nla_type=IFA_FLAGS}, IFA_F_PERMANENT]}], [{nlmsg_len=72,
nlmsg_type=RTM_NEWADDR, nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1709268906,
nlmsg_pid=131424}, {ifa_family=AF_INET6, ifa_prefixlen=64, ifa_flags=IFA_F_PERMANENT,
ifa_scope=RT_SCOPE_LINK, ifa_index=if_nametoindex("eth0")}, [{nla_len=20,
nla_type=IFA_ADDRESS}, inet_pton(AF_INET6, "fe80::215:5dff:fe6e:815d")], [{nla_len=20,
nla_type=IFA_CACHEINFO}, {ifa_prefered=4294967295, ifa_valid=4294967295, cstamp=61,
tstamp=61}], [{nla_len=8, nla_type=IFA_FLAGS}, IFA_F_PERMANENT]}], iov_len=4096}],
msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 144
```

```
recvmsg(9, {msg_name={sa_family=AF_NETLINK, nl_pid=0, nl_groups=00000000},
msg_namelen=12, msg_iov=[{iov_base=[{nlmsg_len=20, nlmsg_type=NLMSG_DONE,
nlmsg_flags=NLM_F_MULTI, nlmsg_seq=1709268906, nlmsg_pid=131424}, 0], iov_len=4096}],
msg_iovlen=1, msg_controllen=0, msg_flags=0}, 0) = 20
```

```
close(9) = 0
```

```
socket(AF_INET, SOCK_STREAM|SOCK_CLOEXEC, IPPROTO_TCP) = 9
```

```
setsockopt(9, SOL_SOCKET, SO_REUSEADDR, [1], 4) = 0
```

```
bind(9, {sa_family=AF_INET, sin_port=htons(5555), sin_addr=inet_addr("127.0.0.1")}, 16) = 0
```

```
listen(9, 100) = 0
```

```
getsockname(9, {sa_family=AF_INET, sin_port=htons(5555), sin_addr=inet_addr("127.0.0.1")}, [128 =>
16]) = 0
```

```
getsockname(9, {sa_family=AF_INET, sin_port=htons(5555), sin_addr=inet_addr("127.0.0.1")}, [128 =>
16]) = 0
```

```
getpid() = 131424
```

```
write(6, "\1\0\0\0\0\0\0", 8) = 8
```

```
getpid() = 131424
```

```
write(8, "\1\0\0\0\0\0\0", 8) = 8
```

```
newfstatat(0, "", {st_mode=S_IFCHR|0620, st_rdev=makedev(0x88, 0x7), ...}, AT_EMPTY_PATH) = 0
```

```
read(0, create 5 -11
```

```
"create 5 -11\n", 1024) = 13
```

```
newfstatat(1, "", {st_mode=S_IFCHR|0620, st_rdev=makedev(0x88, 0x7), ...}, AT_EMPTY_PATH) = 0
```

```
write(1, "Error: Parent not found \n", 25Error: Parent not found
```

```
) = 25
```

```
read(0, create 9 5
```

```
"create 9 5\n", 1024) = 11
```

```
write(1, "Error: Parent not found \n", 25Error: Parent not found
```

```
) = 25
```

```
read(0, create 10 5
```

```
"create 10 5\n", 1024) = 12
```

```
write(1, "Error: Parent not found \n", 25Error: Parent not found
```

```
) = 25
```





```
close(5)          = 0
close(4)          = 0
close(3)          = 0
exit_group(0)     = ?
+++ exited with 0 +++
```

## Вывод

В результате проделанной работы, я попробовал себя в создании приложения по асинхронной обработке. Кроме того, я познакомился с технологией очереди сообщений ZeroMQ. Полученный опыт, я считаю полезным и интересным.