Московский Авиационный Институт

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Лабораторная работа №5-7 по курсу

«Операционные системы»

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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 сое динения между сокетом ZMQ и удаленным адресом.
- **zmq_sotcockopt**() - 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

```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* root, void * publisher) {

    if (root == NULL) {

        return;

    }

    sprintf(message, "kill %d", root->data); // записываем в message(буффер)

    zmq_send(publisher, message, strlen(message), 0); // отправляем сигнал узлу, чтобы он напечатал, что он мертв

    memset(message, 0, sizeof(message)); // очищаем message (буфер)


    killwithchildren(root->firstChild, publisher);

    killwithchildren(root->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");
```

```c
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){
```

```c
            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");
```

```c
            continue;
        }
    }


    else if (strcmp(command, "kill") == 0) {
        sscanf(input, "%*s %d", &arg1);
        TNode *search_to_kill = find_node(root, arg1);
        if (search_to_kill == NULL) {
            printf("Error: id Not Found\n");
            continue;
        }
        if (arg1 == -1) {
            printf("You can't kill control procces\n");
            continue;
        }
        else {
            killwithchildren(search_to_kill->firstChild, publisher); // рекурсивная отправка
сообщений о смерти от дочерних узлов
            killwithchildren(search_to_kill->nextBrother, publisher); // рекурсивная отправка
сообщений о смерти от дочерних узлов
            zmq_send(publisher, input, strlen(input), 0);


            disableNode(search_to_kill->firstChild); // рекурсивно убийство дочерних узлов
            disableNode(search_to_kill->nextBrother); // рекурсивно убийство дочерних узлов
            disableOneNode(search_to_kill); // убийство родительского узла
        }


    }
    else if (strcmp(command, "heartbit") == 0) {
        sscanf (input, "%*s %d", &arg1);
        int time = arg1 / 1000;
```

```c
            Heartbit(root, time);

            printf("\n");

        }


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

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

            TNode* search_available_root = find_node(root, arg1);

            if (arg1 == -1) {

                printf("Control process is always available\n");

                printf("\n");

            }

            if (search_available_root == NULL) {

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

                continue;

            }

            if (search_available_root->exist) {

                printf("Ok: 1 // узел %d доступен\n", arg1);

                continue;

            }

            else {

                printf("Ok: 0 // узел %d недоступен\n", arg1);

                continue;

            }

        }


    }

    zmq_close(publisher);

    zmq_ctx_destroy(context);

}
```

user.c

```c
#include <stdio.h>

#include <stdlib.h>

#include <stdbool.h>

#include "tree.h"

#include <string.h>

#include <unistd.h>

#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) {
```

```c
    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;
```

```c
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) {
```

```c
                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

```c
#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;
```

```c
    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;

    }
```

```c
}

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:
```
mattrrixwsl@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\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\0\0\3\0>\0\1\0\0\0P\237\2\0\0\0\0\0"..., 832) = 832

pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

pread64(3, "\4\0\0\0 \0\0\0\5\0\0\0GNU\0\2\0\0\300\4\0\0\0\3\0\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\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\0\0\3\0>\0\1\0\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\0\0\3\0>\0\1\0\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\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\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\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\0\3\0>\0\1\0\0\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\0\0\0\3\0>\0\1\0\0\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\0\0\0\3\0>\0\1\0\0\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\0\0\0\3\0>\0\1\0\0\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\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\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\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\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

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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\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\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\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
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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-hwcaps/x86-64-v3", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file or directory)

openat(AT_FDCWD, "/usr/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, "/usr/lib/x86_64-linux-gnu/glibc-hwcaps/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-hwcaps/x86-64-v3/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1

ENOENT (No such file or directory)
newfstatat(AT_FDCWD, "/lib/glibc-hwcaps/x86-64-v3", 0x7ffc1e199d10, 0) = -1 ENOENT (No such file or directory)
openat(AT_FDCWD, "/lib/glibc-hwcaps/x86-64-v2/libnss_db.so.2", O_RDONLY|O_CLOEXEC) = -1 ENOENT (No such file or directory)
newfstatat(AT_FDCWD, "/lib/glibc-hwcaps/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_RDWR)
fcntl(3, F_SETFL, O_RDWR|O_NONBLOCK)   = 0

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fcntl(3, F_GETFL)                  = 0x802 (flags O_RDWR|O_NONBLOCK)
fcntl(3, F_SETFL, O_RDWR|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\xf9\xbe\xed", 16, 0) = 16
eventfd2(0, EFD_CLOEXEC)           = 4
fcntl(4, F_GETFL)                  = 0x2 (flags O_RDWR)
fcntl(4, F_SETFL, O_RDWR|O_NONBLOCK)    = 0
fcntl(4, F_GETFL)                  = 0x802 (flags O_RDWR|O_NONBLOCK)
fcntl(4, F_SETFL, O_RDWR|O_NONBLOCK)    = 0
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_RDWR)
fcntl(6, F_SETFL, O_RDWR|O_NONBLOCK)    = 0
fcntl(6, F_GETFL)                  = 0x802 (flags O_RDWR|O_NONBLOCK)
fcntl(6, F_SETFL, O_RDWR|O_NONBLOCK)    = 0
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_RDWR)
fcntl(8, F_SETFL, O_RDWR|O_NONBLOCK)   = 0
fcntl(8, F_GETFL)   = 0x802 (flags O_RDWR|O_NONBLOCK)
fcntl(8, F_SETFL, O_RDWR|O_NONBLOCK)   = 0
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_PREFERED_LFT] = 86400,
[DEVCONF_REGEN_MAX_RETRY] = 3, [DEVCONF_MAX_DESYNC_FACTOR] = 600,
[DEVCONF_MAX_ADDRESSES] = 16, [DEVCONF_FORCE_MLD_VERSION] = 0,
[DEVCONF_ACCEPT_RA_DEFRTR] = 1, [DEVCONF_ACCEPT_RA_PINFO] = 1,
[DEVCONF_ACCEPT_RA_RTR_PREF] = 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_PREFERED_LFT] = 86400,
[DEVCONF_REGEN_MAX_RETRY] = 3, [DEVCONF_MAX_DESYNC_FACTOR] = 600,
[DEVCONF_MAX_ADDRESSES] = 16, [DEVCONF_FORCE_MLD_VERSION] = 0,
[DEVCONF_ACCEPT_RA_DEFRTR] = 1, [DEVCONF_ACCEPT_RA_PINFO] = 1,
[DEVCONF_ACCEPT_RA_RTR_PREF] = 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=NLMSG_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_prefered=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\0", 8)   = 8
getpid()   = 131424
write(8, "\1\0\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
read(0, heartbit 2000
"heartbit 2000\n", 1024)        = 14
clock_nanosleep(CLOCK_REALTIME, 0, {tv_sec=2, tv_nsec=0}, 0x7ffc1e19cbd0) = 0
write(1, "Heartbit: node -1 is fine\n", 26Heartbit: node -1 is fine
) = 26
write(1, "\n", 1
)                 = 1
read(0, exec 10 start
"exec 10 start\n", 1024)        = 14
write(1, "Error:id Not found\n", 19Error:id Not found
)    = 19
read(0, exec 10 stop
"exec 10 stop\n", 1024)         = 13
write(1, "Error:id Not found\n", 19Error:id Not found
)    = 19
read(0, exec 10 time
"exec 10 time\n", 1024)         = 13
write(1, "Error:id Not found\n", 19Error:id Not found
)    = 19
read(0, kill 10
"kill 10\n", 1024)             = 8
write(1, "Error: id Not Found\n", 20Error: id Not Found
)   = 20
read(0, ping 10
"ping 10\n", 1024)             = 8
write(1, "Error: id not found\n", 20Error: id not found
)   = 20
read(0, kill 5
"kill 5\n", 1024)             = 7
write(1, "Error: id Not Found\n", 20Error: id Not Found
)   = 20
read(0, "", 1024)                = 0
getpid()                  = 131424
write(4, "\1\0\0\0\0\0\0\0", 8)      = 8
getpid()                  = 131424
getpid()                  = 131424
write(8, "\1\0\0\0\0\0\0\0", 8)      = 8
futex(0x558e7d371388, FUTEX_WAKE_PRIVATE, 1) = 1
getpid()                  = 131424
```

```
poll([{fd=3, events=POLLIN}], 1, -1)    = 1 ([{fd=3, revents=POLLIN}])
getpid()                    = 131424
read(3, "\1\0\0\0\0\0\0\0", 8)        = 8
getpid()                    = 131424
write(6, "\1\0\0\0\0\0\0\0", 8)        = 8
close(7)                = 0
close(6)                = 0
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.